TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 600-48830-2

Job Description: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, TX 78664

Attention: Mr. Chris Moore



Approved for release.
Cathy L Upton
Data Delivery Analyst
5/3/2013 10:20 AM

Designee for
Sachin G Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com
05/03/2013

cc: Jennifer Bush
Ms. Taryn Scholz

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

SITE:	Exide Undeveloped Buffer Property VCP Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
INTENDED USE:	Evaluate potential impacts to the site	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-48830-2 and 600-48997-2	
TESTS/ METHODS(1):	Total Metals (Cd and Pb)	SW846 3050B/6010B
	Dissolved Metals (Cd and Pb)	SW846 3050B/6010B
	Total Organic Carbon (TOC)	SW846 9060A
SAMPLES:	2 sediment samples, 2 surface water samples (see Table 1 for a complete listing)	

1. The samples were also analyzed for Grain Size, but this non-critical data was not reviewed.

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13; and
- Laboratory review checklists (LRC) with the associated exception reports.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and ±MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as 3.0 mg/kg for Cadmium and 81.9 mg/kg for Lead in sediment and as 0.00808 mg/L for dissolved Cadmium and 0.0604 mg/L for dissolved Lead in surface water. As needed per TRRP, the Unadjusted MQLs stated by the laboratory are at or below the LORPs for each

analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with the criteria.

2. Usability of Qualified Data – No QC deficiencies were noted and the reviewer did not apply any data quality flags. Thus, all results are acceptable for the intended use.

QAA Reviewer:	Taryn G. Scholz	5/24/13
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data package contains all necessary data (i.e., the laboratory reportable data per TRRP-13).
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody record is complete and agrees with that in the laboratory report. The reviewer also confirmed that all tests are reported as requested on the custody record and found no issues. Note that the samples are on the same custody records as samples collected from another area of the site. The results for these samples are reported separately.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation.
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a cooler with ice. Dissolved metals aliquots were filtered in the field. No field QC samples were collected with these samples.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL. Results are reported in mg/kg with dry-weight correction for metals in sediment, mg/L for metals in surface water and g/kg for TOC. Non-detects are reported using the SDL as specified per TRRP. There are no detects between the SDL and MQL for this sampling event and the samples did not require dilution.
MQLs	The levels of required performance (LORPs) have been established by PBW as 3.0 mg/kg for Cadmium and 81.9 mg/kg for Lead in sediment and as 0.00808 mg/L for dissolved Cadmium and 0.0604 mg/L for dissolved Lead in surface water. The Unadjusted MQLs for the laboratory are at or below the LORP for each analyte.
MDLs	According to the LRC, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data package.
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory.
Field QC Blanks	No field QC blanks were collected with the sample.
Laboratory Control Spike Recovery	The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. Additionally, the laboratory prepared a duplicate LCS (i.e., a LCSD) for the TOC analytical batch. The LCS/LCSD recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.
Matrix Spike Recovery	The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. Recoveries are reported for MS/MSD prepared using a sample from the same work order, of which there are none for these samples.
Surrogate Recovery	Surrogates are not used for 6010B metals or 9060A TOC analyses.

QC PARAMETER	QC OUTCOME
Laboratory Duplicate Precision	The laboratory prepared one Laboratory Control Spike Duplicate (LCSD) with the TOC analytical batch. The LCSD relative percent differences (RPDs) are within the TRRP recommended limits, which indicates good precision for the preparation and analysis technique on a sample free of matrix effects. The laboratory prepared one Matrix Duplicate (MD) and one Matrix Spike Duplicate (MSD) for each metals analytical batch. RPDs are reported for MD and MSD prepared using a sample from the same work order, of which there are none for these samples.
Field Duplicate Precision	No field duplicates were collected with the samples.
Instrument Tuning	Instrument tuning is not required for 6010B metals or 9060A TOC analyses.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	Internal standards are not used for 6010B metals or 9060A TOC analyses.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
GROUNDWATER SAMPLING – APRIL 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	Total Metals (Cd/Pb)	Dissolved Metals (Cd/Pb)	TOC
600-48330-5	2012-SED-14	INV	Solid	1/12/12	1	70087	NA	104671
600-48330-6	2012-SED-15	INV	Solid	1/12/12	1	70087	NA	104671
600-48997-14	2012-SW-14	INV	Water	1/17/12	1	70923	70924	NA
600-48997-15	2012-SW-15	INV	Water	1/17/12	1	70923	70924	NA

DF – Dilution Factor

INV – Investigative

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-11-8

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2012

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2011

These fields of accreditation supercedeall previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Method EPA 415.1

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10078407

Method EPA 420.2

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10079808

Method EPA 420.4

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10080203

Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609

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Matrix: ***Non-Potable Water***

Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 602

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10102202
Ethylbenzene	TX	4765	10102202
m+p-xylene	TX	5240	10102202
o-Xylene	TX	5250	10102202
Toluene	TX	5140	10102202
Xylene (total)	TX	5260	10102202

Method EPA 608

Analyte	**AB**	**Analyte ID**	**Method ID**
4,4'-DDD	TX	7355	10103603
4,4'-DDE	TX	7360	10103603
4,4'-DDT	TX	7365	10103603
Aldrin	TX	7025	10103603
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10103603
alpha-Chlordane	TX	7240	10103603
Aroclor-1016 (PCB-1016)	TX	8880	10103603
Aroclor-1221 (PCB-1221)	TX	8885	10103603
Aroclor-1232 (PCB-1232)	TX	8890	10103603
Aroclor-1242 (PCB-1242)	TX	8895	10103603

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Matrix: ***Solid & Chemical Materials***

Nitrate-nitrite	TX	1820	10067604

Method EPA 365.2

Analyte	**AB**	**Analyte ID**	**Method ID**
Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	**AB**	**Analyte ID**	**Method ID**
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609

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Matrix: ***Solid & Chemical Materials***

Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

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Matrix: ***Solid & Chemical Materials***

Sulfide	TX	2005	10196006

Method EPA 9038

Analyte	**AB**	**Analyte ID**	**Method ID**
Sulfate	TX	2000	10196608

Method EPA 9040

Analyte	**AB**	**Analyte ID**	**Method ID**
Corrosivity	TX	1615	10197203
pH	TX	1900	10197203

Method EPA 9045

Analyte	**AB**	**Analyte ID**	**Method ID**
pH	TX	1900	10198400

Method EPA 9050

Analyte	**AB**	**Analyte ID**	**Method ID**
Conductivity	TX	1610	10198808

Method EPA 9056

Analyte	**AB**	**Analyte ID**	**Method ID**
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209
Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Orthophosphate as P	TX	1870	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	**AB**	**Analyte ID**	**Method ID**
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9066

Analyte	**AB**	**Analyte ID**	**Method ID**
Total phenolics	TX	1905	10200609

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-48830-2

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/03/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/04/13
Project Name: Exide Recycling Center, Frisco	Laboratory Job Number: 600-48830-2
Reviewer Name: TWR	Prep Batch Number(s): 70087- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/04/13
Project Name: Exide Recycling Center, Frisco	Laboratory Job Number: 600-48830-2
Reviewer Name: TWR	Prep Batch Number(s): 600-70087- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/04/13
Project Name: Exide Recycling Center, Frisco	Laboratory Job Number: 600-48830-2
Reviewer Name: TWR	Prep Batch Number(s): 600-70087- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected another client's sample to perform as the PDS/SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	12/30/2011
Date Prepared:	12/30/2011
Instrument:	TJA1
TALS Batches:	69146
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.042	25
Antimony	0.231553	0.45	0.44	2.5
Arsenic	0.217923	0.5	0.264	1
Barium	0.011322	0.03	0.027	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	2.04	20
Cadmium	0.025642	0.05	0.061	0.25
Calcium	0.86399	1.5	2.78	100
Chromium	0.050606	0.1	0.111	0.5
Cobalt	0.067622	0.1	0.109	0.5
Copper	0.173703	0.5	0.524	0.5
Iron	2.534007	4	5.65	20
Lithium	0.007932	0.01	0.005	10
Lead	0.104832	0.2	0.004	0.5
Selenium	0.258884	0.5	0.008	2
Magnesium	1.9	3	2.66	100
Manganese	0.038111	0.05	0.052	1.5
Molybdenum	0.136448	0.35	0.404	0.5
Nickel	0.116599	0.15	0.227	1
Silver	0.118848	0.2	0.232	0.5
Sodium	0.885548	2.4	1.9	100
Strontium	0.00252	0.005	0.921	0.25
Thallium	0.276988	0.7	0.794	1.5
Tin	0.08729	0.15	0.292	1
Titanium	0.014529	0.03	0.04	0.5
Vanadium	0.079068	0.15	0.148	0.5
Zinc	0.108432	0.2	0.315	1.5

Comments
No additional comments.

Receipt
The samples were received on 1/13/2012 9:45 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.1° C.

METHOD SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL HOU	SW846 6010B	
Preparation, Metals	TAL HOU		SW846 3050B
Percent Moisture	TAL HOU	EPA Moisture	
Grain Size	TAL BUR	ASTM D422	
Organic Carbon, Total (TOC)	TAL DEN	SW846 9060A	

Lab References:

TAL BUR = TestAmerica Burlington

TAL DEN = TestAmerica Denver

TAL HOU = TestAmerica Houston

Method References:

ASTM = ASTM International

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Method	Analyst	Analyst ID
SW846 6010B	Patel, Silen R	SRP
SW846 9060A	Plumb, Paul M	PMP
EPA Moisture	Boza, Michael	MB
ASTM D422	Gagne, Eric	EMG

SAMPLE SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-48830-5	2012-SED-14	Solid	01/12/2012 1002	01/13/2012 0945
600-48830-6	2012-SED-15	Solid	01/12/2012 1020	01/13/2012 0945

SAMPLE RESULTS

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48830-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SED-14

Lab Sample ID: 600-48830-5
Client Matrix: Solid

Date Sampled: 01/12/2012 10:02
Date Received: 01/13/2012 09:45

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Method: SW846 3050B,Solid										Dry Weight Corrected?:		Y
Preparation, Metals		Complete							70087	01/14/2012 11:21		NER
Method: ASTM D422,Solid										Dry Weight Corrected?:		N
Gravel	STL00581	47.2						%	32508	01/17/2012 16:18	1	EMG
Sieve Size 3 inch - Percent Finer	STL01283	100.0						% Passing	32508	01/17/2012 16:18	1	EMG
Sand	STL00582	36.6						%	32508	01/17/2012 16:18	1	EMG
Sieve Size 2 inch - Percent Finer	STL01282	100.0						% Passing	32508	01/17/2012 16:18	1	EMG
Coarse Sand	STL00583	19.6						%	32508	01/17/2012 16:18	1	EMG
Sieve Size 1.5 inch - Percent Finer	STL01281	100.0						% Passing	32508	01/17/2012 16:18	1	EMG
Medium Sand	STL00584	10.2						%	32508	01/17/2012 16:18	1	EMG
Sieve Size 1 inch - Percent Finer	STL01280	100.0						% Passing	32508	01/17/2012 16:18	1	EMG
Fine Sand	STL00585	6.8						%	32508	01/17/2012 16:18	1	EMG
Sieve Size 0.75 inch - Percent Finer	STL01279	100.0						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size 0.375 inch - Percent Finer	STL01278	71.8						% Passing	32508	01/17/2012 16:18	1	EMG
Silt	STL00586	7.7						%	32508	01/17/2012 16:18	1	EMG
Clay	STL00587	8.5						%	32508	01/17/2012 16:18	1	EMG
Sieve Size #4 - Percent Finer	STL01274	52.8						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #10 - Percent Finer	STL01268	33.2						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #20 - Percent Finer	STL01271	26.6						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #40 - Percent Finer	STL01275	23.0						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #60 - Percent Finer	STL01276	19.7						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #80 - Percent Finer	STL01277	18.2						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #100 - Percent Finer	STL01269	17.5						% Passing	32508	01/17/2012 16:18	1	EMG
Sieve Size #200 - Percent Finer	STL01272	16.2						% Passing	32508	01/17/2012 16:18	1	EMG

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48830-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SED-14

Lab Sample ID: 600-48830-5
Client Matrix: Solid

Date Sampled: 01/12/2012 10:02
Date Received: 01/13/2012 09:45

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Hydrometer Reading 1 - Percent Finer	STL01284	11.9						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 2 - Percent Finer	STL01285	10.5						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 3 - Percent Finer	STL01286	9.8						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 4 - Percent Finer	STL01287	9.2						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 5 - Percent Finer	STL01288	8.5						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 6 - Percent Finer	STL01290	7.1						% Passing	32508	01/17/2012 16:18	1	EMG
Hydrometer Reading 7 - Percent Finer	STL01291	5.7						% Passing	32508	01/17/2012 16:18	1	EMG
Method: EPA Moisture,Solid												
Percent Moisture	STL00177	17			1.0	1.0	1.0	%	70134	01/16/2012 11:32	1	MB
Percent Solids	STL00234	83			1.0	1.0	1.0	%	70134	01/16/2012 11:32	1	MB
Method: SW846 6010B,Solid										Dry Weight Corrected?:		Y
Cadmium	7440-43-9	0.968			0.0256	0.250	0.0296	mg/Kg	71033	01/27/2012 11:13	1	SRP
Lead	7439-92-1	5.70			0.105	0.500	0.121	mg/Kg	71033	01/27/2012 11:13	1	SRP
Method: SW846 9060A,Solid										Dry Weight Corrected?:		N
Total Organic Carbon	7440-44-0	10.1			1.70	4.00	1.70	g/Kg	104671	01/24/2012 15:34	1	PMP

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48830-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SED-15

Lab Sample ID: 600-48830-6
Client Matrix: Solid

Date Sampled: 01/12/2012 10:20
Date Received: 01/13/2012 09:45

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Method: SW846 3050B,Solid										Dry Weight Corrected?:		Y
Preparation, Metals		Complete							70087	01/14/2012 11:21		NER
Method: ASTM D422,Solid										Dry Weight Corrected?:		N
Gravel	STL00581	11.6						%	32508	01/17/2012 16:21	1	EMG
Sieve Size 3 inch - Percent Finer	STL01283	100.0						% Passing	32508	01/17/2012 16:21	1	EMG
Sand	STL00582	53.6						%	32508	01/17/2012 16:21	1	EMG
Sieve Size 2 inch - Percent Finer	STL01282	100.0						% Passing	32508	01/17/2012 16:21	1	EMG
Coarse Sand	STL00583	17.0						%	32508	01/17/2012 16:21	1	EMG
Sieve Size 1.5 inch - Percent Finer	STL01281	100.0						% Passing	32508	01/17/2012 16:21	1	EMG
Medium Sand	STL00584	26.6						%	32508	01/17/2012 16:21	1	EMG
Sieve Size 1 inch - Percent Finer	STL01280	100.0						% Passing	32508	01/17/2012 16:21	1	EMG
Fine Sand	STL00585	10.0						%	32508	01/17/2012 16:21	1	EMG
Sieve Size 0.75 inch - Percent Finer	STL01279	100.0						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size 0.375 inch - Percent Finer	STL01278	97.4						% Passing	32508	01/17/2012 16:21	1	EMG
Silt	STL00586	20.0						%	32508	01/17/2012 16:21	1	EMG
Clay	STL00587	14.8						%	32508	01/17/2012 16:21	1	EMG
Sieve Size #4 - Percent Finer	STL01274	88.4						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #10 - Percent Finer	STL01268	71.4						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #20 - Percent Finer	STL01271	58.8						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #40 - Percent Finer	STL01275	44.8						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #60 - Percent Finer	STL01276	38.7						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #80 - Percent Finer	STL01277	37.2						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #100 - Percent Finer	STL01269	36.5						% Passing	32508	01/17/2012 16:21	1	EMG
Sieve Size #200 - Percent Finer	STL01272	34.8						% Passing	32508	01/17/2012 16:21	1	EMG

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48830-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SED-15

Lab Sample ID: 600-48830-6
Client Matrix: Solid

Date Sampled: 01/12/2012 10:20
Date Received: 01/13/2012 09:45

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Hydrometer Reading 1 - Percent Finer	STL01284	20.0						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 2 - Percent Finer	STL01285	18.2						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 3 - Percent Finer	STL01286	17.4						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 4 - Percent Finer	STL01287	16.5						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 5 - Percent Finer	STL01288	14.8						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 6 - Percent Finer	STL01290	12.3						% Passing	32508	01/17/2012 16:21	1	EMG
Hydrometer Reading 7 - Percent Finer	STL01291	10.5						% Passing	32508	01/17/2012 16:21	1	EMG
Method: EPA Moisture,Solid												
Percent Moisture	STL00177	22			1.0	1.0	1.0	%	70134	01/16/2012 11:32	1	MB
Percent Solids	STL00234	78			1.0	1.0	1.0	%	70134	01/16/2012 11:32	1	MB
Method: SW846 6010B,Solid										Dry Weight Corrected?:		Y
Cadmium	7440-43-9	0.710			0.0256	0.250	0.0329	mg/Kg	71033	01/27/2012 11:17	1	SRP
Lead	7439-92-1	10.6			0.105	0.500	0.135	mg/Kg	71033	01/27/2012 11:17	1	SRP
Method: SW846 9060A,Solid										Dry Weight Corrected?:		N
Total Organic Carbon	7440-44-0	10.7			1.70	4.00	1.70	g/Kg	104671	01/24/2012 15:36	1	PMP

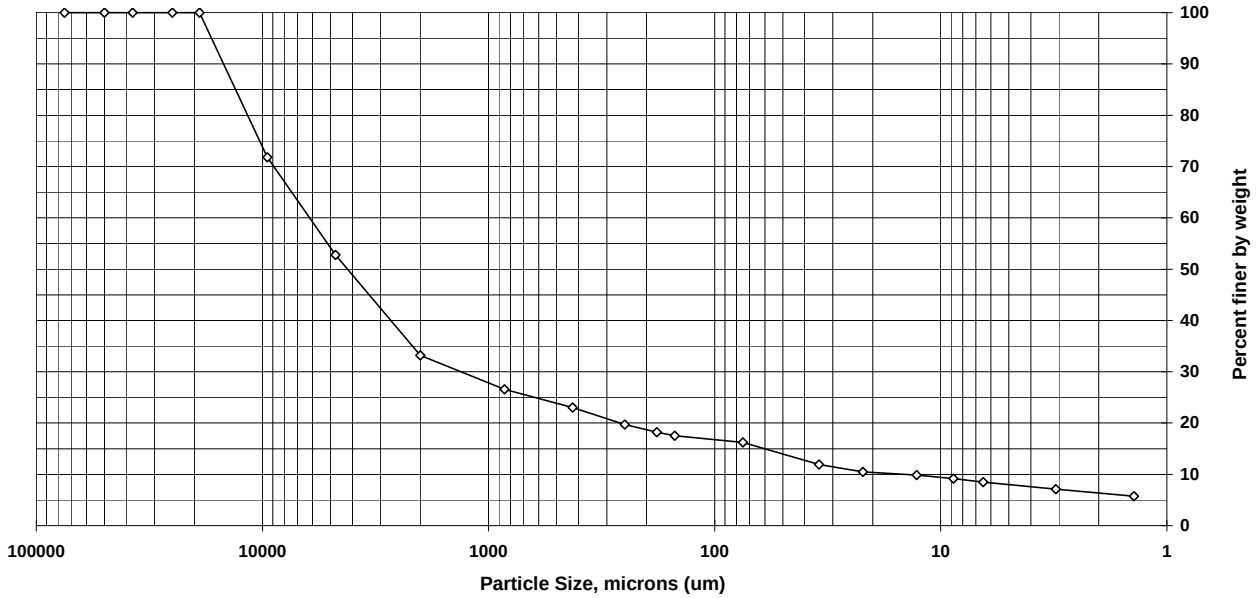
Particle Size of Soils by ASTM D422

				Date Received:	01/13/12
Sample ID:	2012-SED-14	**Percent Solids:**	85.0%	**Start Date:**	01/17/12
Lab ID:	600-48830-B-5	**Specific Gravity:**	2.650	**End Date:**	01/20/12

Shape (> #10): subangular

Non-soil material: na

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	71.8	28.2
#4	4750	52.8	19.0
#10	2000	33.2	19.6
#20	850	26.6	6.6
#40	425	23.0	3.6
#60	250	19.7	3.3
#80	180	18.2	1.5
#100	150	17.5	0.7
#200	75	16.2	1.3
Hyd1	34.5	11.9	4.3
Hyd2	22.1	10.5	1.4
Hyd3	12.8	9.8	0.7
Hyd4	8.8	9.2	0.7
Hyd5	6.5	8.5	0.7
Hyd6	3.1	7.1	1.4
Hyd7	1.4	5.7	1.4

Soil Classification	Percent of sample
Gravel	47.2
Sand	36.6
Coarse Sand	19.6
Medium Sand	10.2
Fine Sand	6.8
Silt	7.7
Clay	8.5

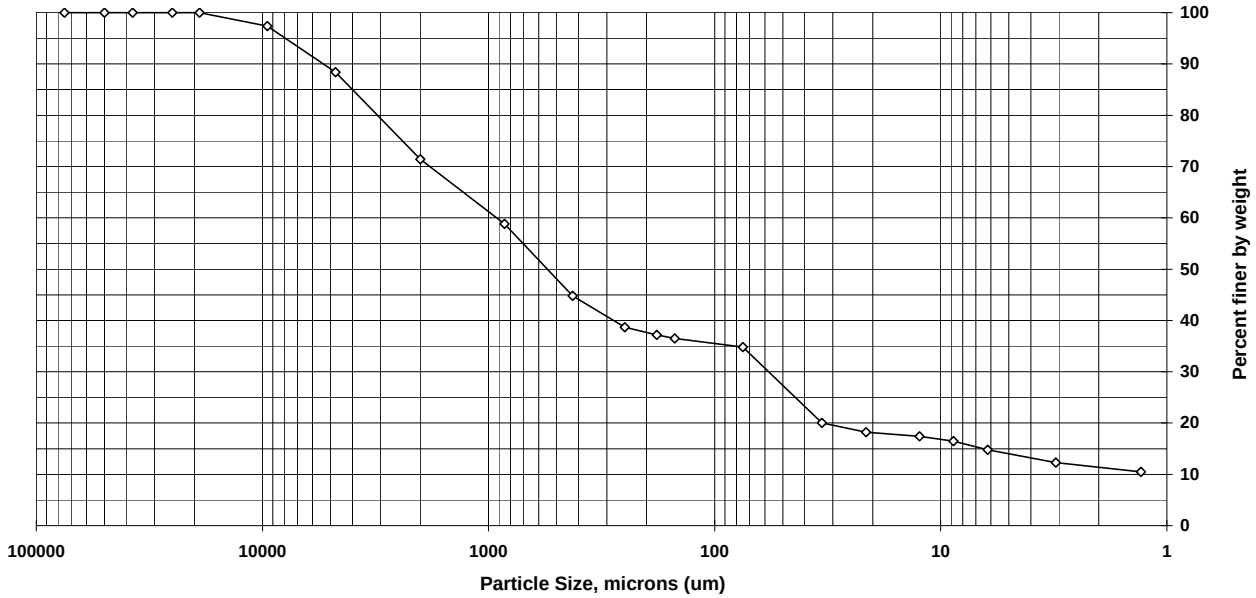
Particle Size of Soils by ASTM D422

				Date Received:	01/13/12
Sample ID:	2012-SED-15	**Percent Solids:**	80.7%	**Start Date:**	01/17/12
Lab ID:	600-48830-B-6	**Specific Gravity:**	2.650	**End Date:**	01/20/12

Shape (> #10): subangular

Non-soil material: plant

Hardness (> #10): hard



Sieve size	Particle size, um	Percent finer	Incremental percent
3 inch	75000	100.0	0.0
2 inch	50000	100.0	0.0
1.5 inch	37500	100.0	0.0
1 inch	25000	100.0	0.0
3/4 inch	19000	100.0	0.0
3/8 inch	9500	97.4	2.6
#4	4750	88.4	9.0
#10	2000	71.4	17.0
#20	850	58.8	12.6
#40	425	44.8	14.0
#60	250	38.7	6.1
#80	180	37.2	1.5
#100	150	36.5	0.7
#200	75	34.8	1.7
Hyd1	33.5	20.0	14.8
Hyd2	21.4	18.2	1.8
Hyd3	12.4	17.4	0.8
Hyd4	8.8	16.5	0.9
Hyd5	6.2	14.8	1.7
Hyd6	3.1	12.3	2.5
Hyd7	1.3	10.5	1.8

Soil Classification	Percent of sample
Gravel	11.6
Sand	53.6
Coarse Sand	17.0
Medium Sand	26.6
Fine Sand	10.0
Silt	20.0
Clay	14.8

TestAmerica Burlington

Sediment Grain Size - D422

Client	
Client Sample ID	2012-SED-14
Lab Sample ID	600-48830-B-5

Date Received	01/13/12
Start Date	01/17/2012 16:18
End Date	01/20/2012 9:43

Dry Weight Determination

Tin Weight	1.03	g
Wet Sample + Tin	27.79	g
Dry Sample + Tin	23.78	g
% Moisture	14.99	%

Non-soil material:	na
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	01/17/2012 16:18
Date/Time out of oven	01/18/2012 12:04

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	58.09	195.40	137.31
Sample Weight (Oven Dried)			117

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			78.2
Sample <#10			38.8
% Passing #10			28.3

Hydrometer Data

Serial Number	705151
Calib. Date (mm/dd/yyyy)	12/21/2010
Low Temp (C)	17.0
Reading at Low Temp	1.0040
High Temp (C)	23.0
Reading at High Temp	1.0030
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006833333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500	447.45	480.46	33.01	g	71.8	Gravel	
#4	4750	488.17	510.37	22.20	g	52.8	Gravel	
#10	2000	462.86	485.83	22.97	g	33.2	Sand	Coarse
#20	850	383.48	391.16	7.68	g	26.6	Sand	Medium
#40	425	353.52	357.71	4.19	g	23.0	Sand	Medium
#60	250	341.44	345.30	3.86	g	19.7	Sand	Fine
#80	180	330.28	331.99	1.71	g	18.2	Sand	Fine
#100	150	325.37	326.15	0.78	g	17.5	Sand	Fine
#200	75	312.30	313.84	1.54	g	16.2	Sand	Fine
				0.00	g	16.2		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	117

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0120	21.0	34.5	11.9	Silt	
5	5	1.0110	21.0	22.1	10.5	Silt	
15	15	1.0105	21.0	12.8	9.84	Silt	
30	32	1.0100	21.0	8.8	9.15	Silt	
60	60	1.0095	21.0	6.5	8.46	Silt	
250	259	1.0085	21.0	3.1	7.09	Clay	
1440	1406	1.0075	21.0	1.4	5.72	Clay	

Sediment Grain Size - D422

Client	
Client Sample ID	2012-SED-15
Lab Sample ID	600-48830-B-6

Date Received	01/13/12
Start Date	01/17/2012 16:21
End Date	01/20/2012 9:56

Dry Weight Determination

Tin Weight	1.00	g
Wet Sample + Tin	26.63	g
Dry Sample + Tin	21.67	g
% Moisture	19.35	%

Non-soil material:	plant
Shape (> #10):	subangular
Hardness (> #10):	hard

Date/Time in oven	01/17/2012 16:21
Date/Time out of oven	01/18/2012 12:04

Sample Weights	Tare (g)	Pan+Samp (g)	Samp (g)
Sample Weight (Wet)	58.06	174.55	116.49
Sample Weight (Oven Dried)			93.9

Sample Split (oven dried)	Tare (g)	Pan+Samp (g)	Samp (g)
Sample >=#10			26.9
Sample <#10			67
% Passing #10			57.5

Hydrometer Data

Serial Number	705151
Calib. Date (mm/dd/yyyy)	12/21/2010
Low Temp (C)	17.0
Reading at Low Temp	1.0040
High Temp (C)	23.0
Reading at High Temp	1.0030
Hydrometer Cal Slope	-0.000166667
Hydrometer Cal Intercept	1.006833333
Default Soil Gravity	2.6500

Gravel/Sand Fraction (Sieves)

Sample Fraction	Size (um)	Pan Tare (g)	Pan+Sample (g)	Sample		% Finer	Classification	Sub Class
3 inch	75000			0.00	g	100.0	Gravel	
2 inch	50000			0.00	g	100.0	Gravel	
1.5 inch	37500			0.00	g	100.0	Gravel	
1 inch	25000			0.00	g	100.0	Gravel	
3/4 inch	19000			0.00	g	100.0	Gravel	
3/8 inch	9500	447.45	449.89	2.44	g	97.4	Gravel	
#4	4750	488.17	496.65	8.48	g	88.4	Gravel	
#10	2000	462.86	478.83	15.97	g	71.4	Sand	Coarse
#20	850	383.48	395.29	11.81	g	58.8	Sand	Medium
#40	425	353.52	366.68	13.16	g	44.8	Sand	Medium
#60	250	341.44	347.20	5.76	g	38.7	Sand	Fine
#80	180	330.28	331.72	1.44	g	37.2	Sand	Fine
#100	150	325.37	326.00	0.63	g	36.5	Sand	Fine
#200	75	312.30	313.86	1.56	g	34.8	Sand	Fine
				0.00	g	34.8		

Adjusted Hydrometer Sample Mass

Hydrometer Sample Mass (g)	93.9

Silt/Clay Fraction (Hydrometer Test)

Hydrometer Test Time (min)	Actual	Spec. Gravity	Temp C	Particle Size (Micron)	% Finer	Classification	Sub Class
2	2	1.0150	21.0	33.5	20	Silt	
5	5	1.0140	21.0	21.4	18.2	Silt	
15	15	1.0135	21.0	12.4	17.4	Silt	
30	30	1.0130	21.0	8.8	16.5	Silt	
60	63	1.0120	21.0	6.2	14.8	Silt	
250	253	1.0105	21.0	3.1	12.3	Clay	
1440	1400	1.0095	21.0	1.3	10.5	Clay	

DATA REPORTING QUALIFIERS

Client: Pastor, Behling & Wheeler LLC Job Number: 600-48830-2

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the SDL.
General Chemistry		
	U	Analyte was not detected at or above the SDL.
	J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

QUALITY CONTROL RESULTS

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 600-70087					
LCS 600-70087/2-A	Lab Control Sample	T	Solid	3050B	
MB 600-70087/1-A	Method Blank	T	Solid	3050B	
600-48830-5	2012-SED-14	T	Solid	3050B	
600-48830-6	2012-SED-15	T	Solid	3050B	
Analysis Batch:600-71033					
LCS 600-70087/2-A	Lab Control Sample	T	Solid	6010B	600-70087
MB 600-70087/1-A	Method Blank	T	Solid	6010B	600-70087
600-48830-5	2012-SED-14	T	Solid	6010B	600-70087
600-48830-6	2012-SED-15	T	Solid	6010B	600-70087
General Chemistry					
Analysis Batch:600-70134					
600-48830-5	2012-SED-14	T	Solid	Moisture	
600-48830-6	2012-SED-15	T	Solid	Moisture	
Analysis Batch:280-104671					
LCS 280-104671/3	Lab Control Sample	T	Solid	9060A	
LCSD 280-104671/4	Lab Control Sample Duplicate	T	Solid	9060A	
MB 280-104671/5	Method Blank	T	Solid	9060A	
600-48830-5	2012-SED-14	T	Solid	9060A	
600-48830-6	2012-SED-15	T	Solid	9060A	
Geotechnical					
Analysis Batch:200-32508					
600-48830-5	2012-SED-14	T	Solid	D422	
600-48830-6	2012-SED-15	T	Solid	D422	

Report Basis
T = Total

Report Basis
T = Total

Report Basis
T = Total

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Method Blank - Batch: 600-70087

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-70087/1-A	Analysis Batch:	600-71033	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-70087	Lab File ID:	A012712
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	01/27/2012 1053	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/14/2012 1121				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

Lab Control Sample - Batch: 600-70087

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 600-70087/2-A	Analysis Batch:	600-71033	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-70087	Lab File ID:	A012712
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	01/27/2012 1057	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	01/14/2012 1121				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	71.0	67.65	95	81 - 119	
Lead	144	133.6	93	79 - 121	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Method Blank - Batch: 280-104671

Method: 9060A
Preparation: N/A

Lab Sample ID:	MB 280-104671/5	Analysis Batch:	280-104671	Instrument ID:	WC_Leco
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	01242012.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0 g
Analysis Date:	01/24/2012 1330	Units:	g/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Total Organic Carbon	1.70	U	1.70	4.00

Lab Control Sample/
Lab Control Sample Duplicate Recovery Report - Batch: 280-104671

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-104671/3	Analysis Batch:	280-104671	Instrument ID:	WC_Leco
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	01242012.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0 g
Analysis Date:	01/24/2012 1325	Units:	g/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

LCSD Lab Sample ID:	LCSD 280-104671/4	Analysis Batch:	280-104671	Instrument ID:	WC_Leco
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	01242012.csv
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0 g
Analysis Date:	01/24/2012 1328	Units:	g/Kg	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

	% Rec.						
Analyte	LCS	LCSD	Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
Total Organic Carbon	94	96	46 - 130	2	20	J	J

Laboratory Control/
Laboratory Duplicate Data Report - Batch: 280-104671

Method: 9060A
Preparation: N/A

LCS Lab Sample ID:	LCS 280-104671/3	Units:	g/Kg	LCSD Lab Sample ID:	LCSD 280-104671/4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	01/24/2012 1325			Analysis Date:	01/24/2012 1328
Prep Date:	N/A			Prep Date:	N/A
Leach Date:	N/A			Leach Date:	N/A

Analyte	LCS Spike Amount	LCSD Spike Amount	LCS Result/Qual	LCSD Result/Qual
Total Organic Carbon	4.11	4.11	3.856 J	3.949 J

TestAmerica Houston

[redacted] Hwy Street
[redacted], TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Loc: 600
48830

Client Information	Sampler: Chris Moore	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Chris Moore	Phone: (512) 671-3434	E-Mail: chris.moore@pbwllc.com		Page: Page 1 of 2
Company: Pastor, Behling and Wheeler				Job #: 1732
Address: 2201 Double Creek Drive, Suite 4004	Due Date Requested:			
City: Round Rock				
State, Zip: TX, 78664				
Phone: (512) 671-3434	PO #:			
Email: chris.moore@pbwllc.com	WO #:			
Project Name: Exide Frisco Recycling Center Work Plan Implementation	Project #: 1732			
Site: Exide Frisco Recycling Center	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Metals: Cd, Pb	Metals: Dissolved Cd, Dissolved Pb	RCRA Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Ni, Se, Ag, Zn	Total organic carbon (EPA 415.1/9060A)	Sulfate (EPA 9056)	Total Petroleum Hydrocarbons (TX1005)	Total Petroleum Hydrocarbons (TX1006)	Total Dissolved Solids (SM 2540C)	Grain Size (ASTM D422-63)				Total Number of containers	Special Instructions/Note:
			Preservation Code:				I			I					I					
2012-SED-10	1/12/12	0833	G	Sed	N	N	X			X					X				2	
2012-SED-11		0855	G	Sed			X			X					X				2	
2012-SED-12		0924					X			X					X				2	
2012-SED-13		0940					X			X					X				2	
2012-SED-14		1002					X			X					X				2	
2012-SED-15		1020					X			X					X				2	
2012-SED-16		1106					X			X					X				2	
2012-SED-17		1131					X			X					X				2	
2012-SED-18		1151					X			X					X				2	
2012-SED-19		1400					X			X					X				2	
2012-SED-20	↓	1416	↓	↓	↓	↓	X			X					X				2	

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05/03/2013

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify) IV

Special Instructions/QC Requirements:

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment: Shipped in 2 coolers

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/12/12 1801	PBW	Brandi Meeks	1/13/12 0945	TAL
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Login Number: 48830

List Source: TestAmerica Houston

List Number: 1

Creator: Meeler, Brandi M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Login Number: 48830

List Source: TestAmerica Burlington

List Number: 1

List Creation: 01/17/12 12:36 PM

Creator: Kirchner, Benjamin

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	281320
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Login Number: 48830
List Number: 2
Creator: Holt, Jamie

List Source: TestAmerica Burlington
List Creation: 01/19/12 11:35 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.0ºC, IR GUN ID 154, CF 0
COC is present.	N/A	ONLY REC'D MISSING VOLUME FROM PREVIOUS SHIPMENT
COC is filled out in ink and legible.	N/A	
COC is filled out with all pertinent information.	N/A	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	N/A	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Login Number: 48830

List Source: TestAmerica Denver

List Number: 1

List Creation: 01/19/12 11:35 AM

Creator: Cofoid, Stephen T

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48830-2

Login Number: 48830
List Number: 2
Creator: Bindel, Aaron M

List Source: TestAmerica Denver
List Creation: 01/26/12 08:37 AM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 600-48997-2

Job Description: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, TX 78664

Attention: Mr. Chris Moore



Approved for release.
Cathy L Upton
Data Delivery Analyst
5/10/2013 3:44 PM

Designee for
Sachin G Kudchadkar, Project Manager II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
sachin.kudchadkar@testamericainc.com
05/10/2013

cc: Jennifer Bush
Ms. Taryn Scholz

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-48997-2

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/10/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-48997-2
Reviewer Name: TWR	Prep Batch Number(s): 600-70923 - ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-48997-2
Reviewer Name: TWR	Prep Batch Number(s): 600-70923 - ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-48997-2
Reviewer Name: TWR	Prep Batch Number(s): 600-70923 - ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS/SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	12/29/2011
Date Prepared:	12/29/2011
Instrument:	TJA1
TALs Batches:	69146
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.022	0.5
Antimony	0.0063	0.01	0.006	0.05
Arsenic	0.0033	0.01	0.0004	0.01
Barium	0.0022	0.005	0.003	0.02
Beryllium	0.00134	0.002	0.002	0.005
Boron	0.0077	0.02	0.036	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.642	1
Chromium	0.0016	0.002	0.003	0.01
Cobalt	0.00063	0.001	0.0004	0.01
Copper	0.0014	0.002	0.002	0.01
Iron	0.087	0.1	0.054	0.4
Lithium	0.0024	0.005	0.002	0.2
Lead	0.0029	0.005	0.003	0.01
Selenium	0.0042	0.01	0.006	0.04
Manganese	0.00084	0.002	0.001	0.01
Molybdenum	0.0027	0.005	0.003	0.01
Nickel	0.00179	0.005	0.003	0.01
Silver	0.0012	0.0025	0.001	0.01
Sodium	0.02	0.05	0.033	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.011	0.03
Tin	0.0028	0.005	0.003	0.01
Titanium	0.0011	0.002	0.001	0.01
Vanadium	0.0017	0.002	0.003	0.01
Zinc	0.0022	0.005	0.007	0.01

Comments
No additional comments.

Receipt
The samples were received on 1/18/2012 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.1º C and 3.2º C.

METHOD SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Metals (ICP)	TAL HOU	SW846 6010B	
Preparation, Total Metals	TAL HOU		SW846 3010A
Metals (ICP)	TAL HOU	SW846 6010B	
Preparation, Total Metals	TAL HOU		SW846 3010A
Sample Filtration, Field			FIELD_FLTRD

Lab References:

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

Method	Analyst	Analyst ID
SW846 6010B	Lige, Derrick C	DCL

SAMPLE SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-48997-14	2012-SW-14	Water	01/17/2012 1641	01/18/2012 0914
600-48997-15	2012-SW-15	Water	01/17/2012 1653	01/18/2012 0914

SAMPLE RESULTS

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48997-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SW-14

Lab Sample ID: 600-48997-14
Client Matrix: Water

Date Sampled: 01/17/2012 16:41
Date Received: 01/18/2012 09:14

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Method: SW846 3010A,Water,Dissolved												
Preparation, Total Metals		Complete							70924	01/26/2012 06:10		DCL
Method: SW846 3010A,Water												
Preparation, Total Metals		Complete							70923	01/26/2012 06:10		DCL
Method: SW846 6010B,Water,Dissolved												
Lead	7439-92-1	0.00290	U		0.00290	0.0100	0.00290	mg/L	71248	01/31/2012 11:14	1	DCL
Cadmium	7440-43-9	0.000350	U		0.000350	0.00500	0.000350	mg/L	71248	01/31/2012 11:14	1	DCL
Method: SW846 6010B,Water												
Cadmium	7440-43-9	0.000350	U		0.000350	0.00500	0.000350	mg/L	70969	01/26/2012 14:05	1	DCL
Lead	7439-92-1	0.00290	U		0.00290	0.0100	0.00290	mg/L	70969	01/26/2012 14:05	1	DCL

Pastor, Behling & Wheeler LLC
ATTN: Mr. Chris Moore

Job Number: 600-48997-2
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: 2012-SW-15

Lab Sample ID: 600-48997-15
Client Matrix: Water

Date Sampled: 01/17/2012 16:53
Date Received: 01/18/2012 09:14

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Method: SW846 3010A,Water,Dissolved												
Preparation, Total Metals		Complete							70924	01/26/2012 06:10		DCL
Method: SW846 3010A,Water												
Preparation, Total Metals		Complete							70923	01/26/2012 06:10		DCL
Method: SW846 6010B,Water,Dissolved												
Lead	7439-92-1	0.00290	U		0.00290	0.0100	0.00290	mg/L	71248	01/31/2012 11:01	1	DCL
Cadmium	7440-43-9	0.000350	U		0.000350	0.00500	0.000350	mg/L	71248	01/31/2012 11:01	1	DCL
Method: SW846 6010B,Water												
Cadmium	7440-43-9	0.000350	U		0.000350	0.00500	0.000350	mg/L	70969	01/26/2012 14:07	1	DCL
Lead	7439-92-1	0.00290	U		0.00290	0.0100	0.00290	mg/L	70969	01/26/2012 14:07	1	DCL

DATA REPORTING QUALIFIERS

Client: Pastor, Behling & Wheeler LLC Job Number: 600-48997-2

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the SDL.

QUALITY CONTROL RESULTS

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 600-70923					
LCS 600-70923/2-A	Lab Control Sample	T	Water	3010A	
MB 600-70923/1-A	Method Blank	T	Water	3010A	
600-48997-14	2012-SW-14	T	Water	3010A	
600-48997-15	2012-SW-15	T	Water	3010A	
Prep Batch: 600-70924					
600-48997-14	2012-SW-14	D	Water	3010A	
600-48997-15	2012-SW-15	D	Water	3010A	
Analysis Batch:600-70969					
LCS 600-70923/2-A	Lab Control Sample	T	Water	6010B	600-70923
MB 600-70923/1-A	Method Blank	T	Water	6010B	600-70923
600-48997-14	2012-SW-14	T	Water	6010B	600-70923
600-48997-15	2012-SW-15	T	Water	6010B	600-70923
Analysis Batch:600-71248					
600-48997-14	2012-SW-14	D	Water	6010B	600-70924
600-48997-15	2012-SW-15	D	Water	6010B	600-70924

Report Basis

D = Dissolved

T = Total

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

Method Blank - Batch: 600-70923

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 600-70923/1-A	Analysis Batch:	600-70969	Instrument ID:	Thermo6500
Client Matrix:	Water	Prep Batch:	600-70923	Lab File ID:	012612.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/26/2012 1314	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	01/26/2012 0610				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Lead	0.00290	U	0.00290	0.0100
Cadmium	0.000350	U	0.000350	0.00500

Lab Control Sample - Batch: 600-70923

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 600-70923/2-A	Analysis Batch:	600-70969	Instrument ID:	Thermo6500
Client Matrix:	Water	Prep Batch:	600-70923	Lab File ID:	012612.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	01/26/2012 1316	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	01/26/2012 0610				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	1.00	1.017	102	80 - 120	
Cadmium	0.500	0.5095	102	80 - 120	

TestAmerica Houston
[illegible] Rathway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Loc: 600
48997

05/10/2013

Client Information	Sampler: Chris Moore	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Chris Moore	Phone: (512) 671-3434	E-Mail: chris.moore@pbwllc.com		Page: Page 1 of 2
Company: Pastor, Behling and Wheeler				Job #: 1732
Address: 2201 Double Creek Drive, Suite 4004	Due Date Requested:			
City: Round Rock				
State, Zip: TX, 78664				
Phone: (512) 671-3434	PO #:			
Email: chris.moore@pbwllc.com	WO #:			
Project Name: Exide Frisco Recycling Center Work Plan Implementation	Project #: 1732			
Site: Exide Frisco Recycling Center	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Metals: Cd, Pb	Metals: Dissolved Cd, Dissolved Pb	RCRA Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Ni, Se, Ag, Zn	Total organic carbon (EPA 415.1/9060A)	Sulfate (EPA 9056)	Total Petroleum Hydrocarbons (TX1005)	Total Petroleum Hydrocarbons (TX1006)	Total Dissolved Solids (SM 2540C)	Grain Size (ASTM D422-63)					Total Number of containers	Special Instructions/Note:
			Preservation Code:				L,D	L,D													
~~2012-SW-1~~	0942																				
2012-SW-1	1/17/12	0942	G	W	Y	Y	X	X													Dissolved Cd, Pb on Filtered Sample
2012-SW-2		1025				N	X	X													
2012-SW-3		1227					X	X													
2012-SW-4		1256					X	X													
2012-SW-5		1313					X	X													
2012-SW-6		1340					X	X													
2012-SW-7		1406					X	X													
2012-SW-8		1428					X	X													
2012-SW-9		1457					X	X													
2012-SW-10		1514					X	X													

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) IV

Special Instructions/QC Requirements: Samples shipped in 2 coolers

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	1/17/12, 1823	PBW		1/18/12 9:14	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: △ Yes △ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Client Information	Sampler: Chris Moore	Lab PM:	Carrier Tracking No(s):	COC No:
Client Contact: Chris Moore	Phone: (512) 671-3434	E-Mail: chris.moore@pbwllc.com		Page: Page ~~1 of 1~~ 2 of 2
Company: Pastor, Behling and Wheeler				Job #: 1732
Address: 2201 Double Creek Drive, Suite 4004	Due Date Requested:			
City: Round Rock				
State, Zip: TX, 78664				
Phone: (512) 671-3434	PO #:			
Email: chris.moore@pbwllc.com	WO #:			
Project Name: Exide Frisco Recycling Center Work Plan Implementation	Project #: 1732			
Site: Exide Frisco Recycling Center	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Metals: Cd, Pb	Metals: Dissolved Cd, Dissolved Pb	RCRA Metals: Sb, As, Ba, Be, Cd, Cr, Pb, Ni, Se, Ag, Zn	Total organic carbon (EPA 415.1/9060A)	Sulfate (EPA 9056)	Total Petroleum Hydrocarbons (TX1005)	Total Petroleum Hydrocarbons (TX1006)	Total Dissolved Solids (SM 2540C)	Grain Size (ASTM D422-63)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				1,D	1,D									
2012-SW-11	1/17/12	1540	G	W	Y	N	X	X									Dissolved Cd, Pb on Filtered Sample
2012-SW-12	↓	1554	↓	↓	↓	↓	X	X									
2012-SW-13		1617					X	X									
2012-SW-14		1641					X	X									
2012-SW-15		1653					X	X									
2012-SW-DUP	↓	0000	↓	↓	↓	↓	X	X									↓

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify): IV

Special Instructions/QC Requirements: Samples shipped in 2 coolers

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/17/12, 1823	PBW	[signature] 9:14	1/18/12	TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

05/10/2013

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Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-48997-2

Login Number: 48997

List Source: TestAmerica Houston

List Number: 1

Creator: Fuentes Jr, Fabio

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.1, 3.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

DATA USABILITY SUMMARY
FOR
EXIDE UNDEVELOPED BUFFER PROPERTY

VCP INVESTIGATION

MARCH 2012

MAY 2012

MAY 2013

EVENTS

Prepared by
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Under Subcontract to:

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June 24, 2013

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APPENDICES

APPENDIX A: Qualified TRRP Reports

APPENDIX B: Laboratory NELAP Accreditation Certificate

1.0 NELAC/TLAP LABORATORY ACCREDITATION CERTIFICATION STATEMENT

Pastor, Behling & Wheeler, LLC (PB&W) certifies that at the time the laboratory data were generated for the project, Pace Analytical Services, Inc. located in Allen, Texas (Pace) and TestAmerica located in Houston, Texas were NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods, and parameters of analysis requested on the chain-of-custody form.

The sampling events covered by this Data Usability Summary were conducted during the following time periods:

- March 23 through 28, 2012
- May 14 through 17, 2012
- May 7 through 9, 2013

These sampling events include the following data packages:

- March 2012 event: Pace data packages 1203670, 1203697, 1203719, 1203765, and 1203828
- May 2012 event: Pace data packages 1205359, 1205392, 1205433, and 1205456
- May 2013 event:TestAmerica data packages 600-72851-1, 600-72851-2, and 600-72908-1

The qualified TRRP Reports are presented in Appendix A. Copies of the Pace and TestAmerica NELAP accreditation certificates are presented in Appendix B.

2.0 INTRODUCTION

This Data Usability Summary (DUS) contains the results of the data review conducted by ECS Environmental Chemistry Services (ECS) for soil samples collected from the Exide Undeveloped Buffer Property site during three sampling events conducted in March 2012, May 2012, and May 2013. Pace located in Allen, Texas analyzed the samples collected for the March and May 2012 events listed in Table 2-1. TestAmerica located in Houston, Texas analyzed the samples collected for the May 2013 event listed in Table 2-1. Field quality control samples are identified in Table 2-2. Analytical data were evaluated for conformance to the requirements of the Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program Regulatory Guidance document 13 (TRRP 13).

The purpose of this project was to delineate metal concentrations in soil samples for the Initial Grid Sampling event. The review process contained in this Data Usability Summary (DUS) includes an evaluation of the Laboratory Review Checklist (LRCs), Exception Reports (ERs) and reportable data for all data.

The data review criteria and results of the data review are covered for each analytical method in Section 3.0 of this report. The result of the data review process is the qualified data presented in Appendix A. The data were qualified using the qualifiers and bias codes presented in TRRP 13 and are presented in Appendix A of this report.

Section 4.0 presents an evaluation of the usability of the data for meeting the project objective.

Table 2-1

Exide Undeveloped Buffer Property

VCP Investigation

Sample Summary

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
1203670	1203670-01	E-17	03/23/2012	Soil	MET
	1203670-02	E-16	03/23/2012	Soil	MET
	1203670-03	D-16	03/23/2012	Soil	MET
	1203670-04	C-16	03/23/2012	Soil	MET
	1203670-05	C-17	03/23/2012	Soil	MET
	1203670-06	D-17	03/23/2012	Soil	MET
	1203670-07	F-16	03/23/2012	Soil	MET
	1203670-08	F-17	03/23/2012	Soil	MET
	1203670-09	G-16	03/23/2012	Soil	MET
	1203670-10	G-17	03/23/2012	Soil	MET
	1203670-11	H-16	03/23/2012	Soil	MET
	1203670-12	H-17	03/23/2012	Soil	MET
	1203670-13	I-16	03/23/2012	Soil	MET
	1203670-14	J-16	03/23/2012	Soil	MET
	1203670-15	J-17	03/23/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203670-16	K-17	03/23/2012	Soil	MET
	1203670-17	K-16	03/23/2012	Soil	MET
	1203670-18	I-17	03/23/2012	Soil	MET
	1203670-19	L-16	03/23/2012	Soil	MET
1203697	1203697-01	L-17	03/26/2012	Soil	MET
	1203697-02	M-16	03/26/2012	Soil	MET
	1203697-03	M-17	03/26/2012	Soil	MET
	1203697-04	N-16	03/26/2012	Soil	MET
	1203697-05	N-17	03/26/2012	Soil	MET
	1203697-06	M-15	03/26/2012	Soil	MET
	1203697-07	M-14	03/26/2012	Soil	MET
	1203697-08	M-13	03/26/2012	Soil	MET
	1203697-09	N-15	03/26/2012	Soil	MET
	1203697-10	N-14	03/26/2012	Soil	MET
	1203697-11	N-13	03/26/2012	Soil	MET
	1203697-12	N-12	03/26/2012	Soil	MET
	1203697-13	N-11	03/26/2012	Soil	MET
	1203697-14	N-10	03/26/2012	Soil	MET
	1203697-15	N-9	03/26/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203697-16	M-12	03/26/2012	Soil	MET
	1203697-17	M-11	03/26/2012	Soil	MET
	1203697-18	M-10	03/26/2012	Soil	MET
	1203697-19	M-9	03/26/2012	Soil	MET
	1203697-20	L-8	03/26/2012	Soil	MET
1203719	1203719-01	L-9	03/26/2012	Soil	MET
	1203719-02	L-10	03/26/2012	Soil	MET
	1203719-03	K-10	03/26/2012	Soil	MET
	1203719-04	L-6	03/26/2012	Soil	MET
	1203719-05	L-7	03/26/2012	Soil	MET
	1203719-06	K-6	03/26/2012	Soil	MET
	1203719-07	K-7	03/26/2012	Soil	MET
	1203719-08	K-8	03/26/2012	Soil	MET
	1203719-09	K-9	03/26/2012	Soil	MET
	1203719-10	I-6	03/27/2012	Soil	MET
	1203719-11	I-7	03/27/2012	Soil	MET
	1203719-12	J-7	03/27/2012	Soil	MET
	1203719-13	J-6	03/27/2012	Soil	MET
	1203719-14	J-5	03/27/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203719-15	J-4	03/27/2012	Soil	MET
	1203719-16	J-3	03/27/2012	Soil	MET
	1203719-17	I-4	03/27/2012	Soil	MET
	1203719-18	I-5	03/27/2012	Soil	MET
	1203719-19	I-3	03/27/2012	Soil	MET
	1203719-20	J-2	03/27/2012	Soil	MET
	1203719-21	H-4	03/27/2012	Soil	MET
	1203719-22	H-3	03/27/2012	Soil	MET
1203765	1203765-01	H-5	03/27/2012	Soil	MET
	1203765-02	G-5	03/27/2012	Soil	MET
	1203765-03	G-6	03/27/2012	Soil	MET
	1203765-04	G-4	03/27/2012	Soil	MET
	1203765-05	F-4	03/27/2012	Soil	MET
	1203765-06	F-5	03/27/2012	Soil	MET
	1203765-07	F-7	03/27/2012	Soil	MET
	1203765-08	E-6	03/27/2012	Soil	MET
	1203765-09	E-7	03/27/2012	Soil	MET
	1203765-10	E-8	03/27/2012	Soil	MET
	1203765-11	D-5	03/27/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203765-12	D-6	03/27/2012	Soil	MET
	1203765-13	C-5	03/27/2012	Soil	MET
	1203765-14	C-6	03/27/2012	Soil	MET
	1203765-15	D-7	03/27/2012	Soil	MET
	1203765-16	D-8	03/27/2012	Soil	MET
	1203765-17	C-7	03/27/2012	Soil	MET
	1203765-18	C-8	03/27/2012	Soil	MET
	1203765-19	D-9	03/27/2012	Soil	MET
	1203765-20	D-10	03/27/2012	Soil	MET
	1203765-21	E-9	03/27/2012	Soil	MET
	1203765-22	E-10	03/27/2012	Soil	MET
	1203765-23	C-9	03/27/2012	Soil	MET
	1203765-24	B-8	03/27/2012	Soil	MET
	1203765-25	B-9	03/27/2012	Soil	MET
	1203765-26	A-8	03/27/2012	Soil	MET
	1203765-27	B-6	03/27/2012	Soil	MET
	1203765-28	B-7	03/27/2012	Soil	MET
	1203765-29	A-6	03/27/2012	Soil	MET
	1203765-30	A-7	03/27/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203765-31	D-11	03/28/2012	Soil	MET
	1203765-32	D-12	03/28/2012	Soil	MET
	1203765-33	D-13	03/28/2012	Soil	MET
	1203765-34	D-14	03/28/2012	Soil	MET
	1203765-35	D-15	03/28/2012	Soil	MET
	1203765-36	E-11	03/28/2012	Soil	MET
	1203765-37	E-12	03/28/2012	Soil	MET
	1203765-38	E-13	03/28/2012	Soil	MET
	1203765-39	E-14	03/28/2012	Soil	MET
	1203765-40	E-15	03/28/2012	Soil	MET
	1203765-41	O-17	03/28/2012	Soil	MET
	1203765-42	O-15	03/28/2012	Soil	MET
	1203765-43	O-13	03/28/2012	Soil	MET
	1203765-44	Q-13	03/28/2012	Soil	MET
	1203765-45	Q-15	03/28/2012	Soil	MET
	1203765-46	Q-11	03/28/2012	Soil	MET
	1203765-47	Q-9	03/28/2012	Soil	MET
1203828	1203828-01	O-11	03/28/2012	Soil	MET
	1203828-02	O-9	03/28/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203828-03	Q-8	03/28/2012	Soil	MET
	1203828-04	O-5	03/28/2012	Soil	MET
	1203828-05	O-3	03/28/2012	Soil	MET
	1203828-06	M-5	03/28/2012	Soil	MET
	1203828-07	M-3	03/28/2012	Soil	MET
	1203828-08	M-1	03/28/2012	Soil	MET
	1203828-09	M-7	03/28/2012	Soil	MET
	1203828-10	O-7	03/28/2012	Soil	MET
	1203828-11	K-4	03/28/2012	Soil	MET
	1203828-12	K-2	03/28/2012	Soil	MET
	1203828-13	K-1	03/28/2012	Soil	MET
	1203828-14	B-18	03/28/2012	Soil	MET
	1203828-15	C-18	03/28/2012	Soil	MET
	1203828-16	E-18	03/28/2012	Soil	MET
	1203828-17	E-20	03/28/2012	Soil	MET
	1203828-18	E-22	03/28/2012	Soil	MET
	1203828-19	C-20	03/28/2012	Soil	MET
	1203828-20	C-22	03/28/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1203828-21	G-18	03/28/2012	Soil	MET
	1203828-22	G-20	03/28/2012	Soil	MET
	1203828-23	I-18	03/28/2012	Soil	MET
	1203828-24	I-20	03/28/2012	Soil	MET
	1203828-25	M-18	03/28/2012	Soil	MET
	1203828-26	K-18	03/28/2012	Soil	MET
	1203828-27	K-20	03/28/2012	Soil	MET
1205359	1205359-01	E-16 (6-12)	05/14/2012	Soil	MET
	1205359-02	E-16 (3-6)	05/14/2012	Soil	MET
	1205359-03	E-16 (0-3) N	05/14/2012	Soil	MET
	1205359-04	E-16 (0-3) E	05/14/2012	Soil	MET
	1205359-05	D-16 (0-3) S	05/14/2012	Soil	MET
	1205359-06	D-16 (0-3) E	05/14/2012	Soil	MET
	1205359-07	D-16 (0-3) C	05/14/2012	Soil	MET
	1205359-08	D-16 (3-6)	05/14/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205359-09	D-16 (6-12)	05/14/2012	Soil	MET
	1205359-10	D-16 (0-3) N	05/14/2012	Soil	MET
	1205359-11	F-17 (0-3) C	05/14/2012	Soil	MET
	1205359-12	F-17 (0-3) N	05/14/2012	Soil	MET
	1205359-13	F-17 (0-3) E	05/14/2012	Soil	MET
	1205359-14	E-16 (0-3) W	05/14/2012	Soil	MET
	1205359-15	E-16 (0-3) S	05/14/2012	Soil	MET
	1205359-16	F-16 (0-3) N	05/14/2012	Soil	MET
	1205359-17	F-16 (3-6)	05/14/2012	Soil	MET
	1205359-18	F-16 (6-12)	05/14/2012	Soil	MET
	1205359-19	F-16 (0-3) E	05/14/2012	Soil	MET
	1205359-20	F-16 (0-3) W	05/14/2012	Soil	MET
	1205359-21	F-16 (0-3) S	05/14/2012	Soil	MET
	1205359-22	G-16 (0-3) N	05/14/2012	Soil	MET
	1205359-23	G-16 (0-3) W	05/14/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205359-24	G-16 (3-6)	05/14/2012	Soil	MET
	1205359-25	G-16 (6-12)	05/14/2012	Soil	MET
1205392	1205392-01	G-16 (0-3) S	05/14/2012	Soil	MET
	1205392-02	G-16 (0-3) E	05/14/2012	Soil	MET
	1205392-03	F-17 (3-6)	05/14/2012	Soil	MET
	1205392-04	F-17 (6-12)	05/14/2012	Soil	MET
	1205392-05	L-16 (0-3) N	05/15/2012	Soil	MET
	1205392-06	L-16 (0-3) E	05/15/2012	Soil	MET
	1205392-07	L-16 (0-3) S	05/15/2012	Soil	MET
	1205392-08	L-16 (0-3) W	05/15/2012	Soil	MET
	1205392-09	L-17 (0-3) S	05/15/2012	Soil	MET
	1205392-10	L-17 (0-3) W	05/15/2012	Soil	MET
	1205392-11	L-17 (0-3) N	05/15/2012	Soil	MET
	1205392-12	L-17 (0-3) E	05/15/2012	Soil	MET
	1205392-13	M-16 (0-3) W	05/15/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205392-14	M-16 (0-3) S	05/15/2012	Soil	MET
	1205392-15	M-16 (0-3) E	05/15/2012	Soil	MET
	1205392-16	M-16 (0-3) N	05/15/2012	Soil	MET
	1205392-17	L-17 (3-6)	05/15/2012	Soil	MET
	1205392-18	L-17 (6-12)	05/15/2012	Soil	MET
	1205392-19	L-16 (3-6)	05/15/2012	Soil	MET
	1205392-20	L-16 (6-12)	05/15/2012	Soil	MET
	1205392-21	M-17 (0-3) W	05/15/2012	Soil	MET
	1205392-22	M-17 (0-3) N	05/15/2012	Soil	MET
	1205392-23	M-17 (0-3) E	05/15/2012	Soil	MET
	1205392-24	M-17 (0-3) S	05/15/2012	Soil	MET
	1205392-25	M-14 (0-3) E	05/15/2012	Soil	MET
	1205392-26	M-14 (0-3) W	05/15/2012	Soil	MET
	1205392-27	M-14 (0-3) N	05/15/2012	Soil	MET
	1205392-28	M-14 (0-3) S	05/15/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
1205433	1205433-01	M-15 (0-3) N	05/15/2012	Soil	MET
	1205433-02	M-15 (0-3) W	05/15/2012	Soil	MET
	1205433-03	M-15 (0-3) S	05/15/2012	Soil	MET
	1205433-04	M-15 (0-3) E	05/15/2012	Soil	MET
	1205433-05	M-15 (3-6)	05/15/2012	Soil	MET
	1205433-06	M-15 (6-12)	05/15/2012	Soil	MET
	1205433-07	M-17 (3-6)	05/16/2012	Soil	MET
	1205433-08	M-17 (6-12)	05/16/2012	Soil	MET
	1205433-09	M-16 (3-6)	05/16/2012	Soil	MET
	1205433-10	N-16 (0-3) E	05/16/2012	Soil	MET
	1205433-11	N-16 (0-3) W	05/16/2012	Soil	MET
	1205433-12	N-16 (0-3) N	05/16/2012	Soil	MET
	1205433-13	N-16 (0-3) S	05/16/2012	Soil	MET
	1205433-14	N-16 (3-6)	05/16/2012	Soil	MET
	1205433-15	O-15 (3-6)	05/16/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205433-16	O-15 (6-12)	05/16/2012	Soil	MET
	1205433-17	O-15 (0-3) N	05/16/2012	Soil	MET
	1205433-18	O-15 (0-3) E	05/16/2012	Soil	MET
	1205433-19	O-15 (0-3) W	05/16/2012	Soil	MET
	1205433-20	O-15 (0-3) S	05/16/2012	Soil	MET
	1205433-21	M-14 (3-6)	05/16/2012	Soil	MET
	1205433-22	M-14 (6-12)	05/16/2012	Soil	MET
	1205433-23	M-12 (0-3) N	05/16/2012	Soil	MET
	1205433-24	M-12 (0-3) E	05/16/2012	Soil	MET
	1205433-25	M-12 (0-3) W	05/16/2012	Soil	MET
	1205433-26	M-12 (0-3) S	05/16/2012	Soil	MET
	1205433-27	N-12 (0-3) N	05/16/2012	Soil	MET
	1205433-28	N-12 (0-3) E	05/16/2012	Soil	MET
	1205433-29	N-12 (0-3) S	05/16/2012	Soil	MET
	1205433-30	N-12 (0-3) W	05/16/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205433-31	N-11 (0-3) E	05/16/2012	Soil	MET
	1205433-32	N-11 (0-3) S	05/16/2012	Soil	MET
	1205433-33	N-11 (0-3) W	05/16/2012	Soil	MET
	1205433-34	N-11 (0-3) N	05/16/2012	Soil	MET
	1205433-35	I-18 (0-3) E	05/16/2012	Soil	MET
	1205433-36	I-18 (0-3) S	05/16/2012	Soil	MET
	1205433-37	I-18 (6-12)	05/16/2012	Soil	MET
	1205433-38	I-18 (3-6)	05/16/2012	Soil	MET
	1205433-39	I-18 (0-3) W	05/16/2012	Soil	MET
	1205433-40	I-18 (0-3) N	05/16/2012	Soil	MET
1205456	1205456-01	D-10 (3-6)	05/16/2012	Soil	MET
	1205456-02	D-10 (6-12)	05/16/2012	Soil	MET
	1205456-03	D-10 (0-3) E	05/16/2012	Soil	MET
	1205456-04	D-10 (0-3) S	05/16/2012	Soil	MET
	1205456-05	D-10 (0-3) W	05/16/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205456-06	E-10 (3-6)	05/17/2012	Soil	MET
	1205456-07	E-10 (6-12)	05/17/2012	Soil	MET
	1205456-08	E-10 (0-3) E	05/17/2012	Soil	MET
	1205456-09	E-10 (0-3) W	05/17/2012	Soil	MET
	1205456-10	E-10 (0-3) N	05/17/2012	Soil	MET
	1205456-11	E-9 (6-12)	05/17/2012	Soil	MET
	1205456-12	E-9 (3-6)	05/17/2012	Soil	MET
	1205456-13	E-9 (0-3) E	05/17/2012	Soil	MET
	1205456-14	E-9 (0-3) S	05/17/2012	Soil	MET
	1205456-15	E-9 (0-3) W	05/17/2012	Soil	MET
	1205456-16	E-9 (0-3) N	05/17/2012	Soil	MET
	1205456-17	D-9 (0-3) S	05/17/2012	Soil	MET
	1205456-18	D-9 (6-12)	05/17/2012	Soil	MET
	1205456-19	D-9 (3-6)	05/17/2012	Soil	MET
	1205456-20	D-9 (0-3) W	05/17/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205456-21	D-9 (0-3) N	05/17/2012	Soil	MET
	1205456-22	D-9 (0-3) E	05/17/2012	Soil	MET
	1205456-23	C-9 (6-12)	05/17/2012	Soil	MET
	1205456-24	C-9 (3-6)	05/17/2012	Soil	MET
	1205456-25	C-9 (0-3) S	05/17/2012	Soil	MET
	1205456-26	C-9 (0-3) E	05/17/2012	Soil	MET
	1205456-27	C-9 (0-3) N	05/17/2012	Soil	MET
	1205456-28	C-9 (0-3) W	05/17/2012	Soil	MET
	1205456-29	D-8 (6-12)	05/17/2012	Soil	MET
	1205456-30	D-8 (3-6)	05/17/2012	Soil	MET
	1205456-31	D-8 (0-3) E	05/17/2012	Soil	MET
	1205456-32	D-8 (0-3) S	05/17/2012	Soil	MET
	1205456-33	D-8 (0-3) W	05/17/2012	Soil	MET
	1205456-34	D-8 (0-3) N	05/17/2012	Soil	MET
	1205456-35	E-8 (6-12)	05/17/2012	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	1205456-36	E-8 (3-6)	05/17/2012	Soil	MET
	1205456-37	E-8 (0-3) N	05/17/2012	Soil	MET
	1205456-38	E-8 (0-3) W	05/17/2012	Soil	MET
	1205456-39	E-8 (0-3) S	05/17/2012	Soil	MET
	1205456-40	E-8 (0-3) E	05/17/2012	Soil	MET
600-72851-1	600-72851-1	M-12N (1-1.5)	05/07/2013	Soil	MET
	600-72851-2	M-12 (1-2)	05/07/2013	Soil	MET
	600-72851-3	N-12 (2-3)	05/07/2013	Soil	MET
	600-72851-5	N-11 (2-3)	05/07/2013	Soil	MET
	600-72851-7	K-10 (2-3)	05/07/2013	Soil	MET
	600-72851-9	K-10 (2-3) DUP	05/07/2013	Soil	MET
	600-72851-10	N-16 (2-3)	05/07/2013	Soil	MET
	600-72851-11	KL-15 (2-3)	05/07/2013	Soil	MET
	600-72851-13	HI-15 (1-2)	05/07/2013	Soil	MET
	600-72851-16	TP-9 (5-6)	05/07/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72851-21	E-10N (2-3)	05/07/2013	Soil	MET
	600-72851-23	E10E (2-3)	05/07/2013	Soil	MET
	600-72851-25	E-9 (2-3)	05/07/2013	Soil	MET
	600-72851-27	E-9 (2-3) DUP	05/07/2013	Soil	MET
	600-72851-28	TP-10 (1-2)	05/07/2013	Soil	MET
	600-72851-33	TP-11 (1-2)	05/07/2013	Soil	MET
	600-72851-37	TP-11 (1-2) DUP	05/07/2013	Soil	MET
	600-72851-38	D-8 (2-3)	05/07/2013	Soil	MET
	600-72851-40	BC-8 (2-3)	05/07/2013	Soil	MET
	600-72851-42	BC-8 (2-3) DUP	05/07/2013	Soil	MET
	600-72851-43	E-10N (2-3) DUP	05/07/2013	Soil	MET
	600-72851-44	TP-10D	05/07/2013	Soil	MET
	600-72851-45	TP-10G	05/07/2013	Soil	MET
	600-72851-46	TP-10C	05/07/2013	Soil	MET
	600-72851-47	TP-10F	05/07/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72851-48	TP-10E	05/07/2013	Soil	MET
	600-72851-49	TP-10B	05/07/2013	Soil	MET
	600-72851-50	TP-10A	05/07/2013	Soil	MET
	600-72851-51	TP-10H	05/07/2013	Soil	MET
	600-72851-52	TP-10I	05/07/2013	Soil	MET
	600-72851-53	DE-6D	05/08/2013	Soil	MET
	600-72851-54	DE-6C	05/08/2013	Soil	MET
	600-72851-55	DE-6C DUP	05/08/2013	Soil	MET
	600-72851-56	DE-6B	05/08/2013	Soil	MET
	600-72851-57	DE-6E	05/08/2013	Soil	MET
	600-72851-58	DE-6F	05/08/2013	Soil	MET
	600-72851-59	DE-6G	05/08/2013	Soil	MET
	600-72851-60	DE-6H	05/08/2013	Soil	MET
	600-72851-61	DE-6A	05/08/2013	Soil	MET
	600-72851-62	DE-6I	05/08/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72851-63	TP-11C	05/08/2013	Soil	MET
	600-72851-64	TP-11D	05/08/2013	Soil	MET
	600-72851-65	TP-11G	05/08/2013	Soil	MET
	600-72851-66	TP-11G DUP	05/08/2013	Soil	MET
	600-72851-67	TP-11E	05/08/2013	Soil	MET
	600-72851-68	TP-11F	05/08/2013	Soil	MET
	600-72851-69	TP-11H	05/08/2013	Soil	MET
	600-72851-70	TP-11A	05/08/2013	Soil	MET
	600-72851-71	TP-11A DUP	05/08/2013	Soil	MET
	600-72851-72	TP-11B	05/08/2013	Soil	MET
	600-72851-73	HI-6 (1-2)	05/08/2013	Soil	MET
	600-72851-74	HI-5 (1-2)	05/08/2013	Soil	MET
	600-72851-75	HI-4 (1-2)	05/08/2013	Soil	MET
	600-72851-76	SCSS-B	05/08/2013	Soil	MET
	600-72851-77	L-16A4 (1-1.5)	05/08/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72851-78	M-16A4 (9-11)	05/08/2013	Soil	MET
	600-72851-79	O15A16 1-1.75)	05/08/2013	Soil	MET
	600-72851-80	O15A16 (1-1.75) DUP	05/08/2013	Soil	MET
	600-72851-81	Q16A	05/08/2013	Soil	MET
	600-72851-82	M-14W (1-2)	05/08/2013	Soil	MET
	600-72851-83	M-14S (1-2)	05/08/2013	Soil	MET
	600-72851-84	L-16A2 (1-1.5)	05/08/2013	Soil	MET
600-72851-2	600-72851-12	KL-15 (4-5)	05/07/2013	Soil	MET
	600-72851-14	HI-15 (2-3)	05/07/2013	Soil	MET
	600-72851-24	E 10E (4-5)	05/07/2013	Soil	MET
	600-72851-39	D-8 (4-5)	05/07/2013	Soil	MET
	600-72851-41	BC-8 (4-5)	05/07/2013	Soil	MET
600-72908-1	600-72908-1	L-17W (1-2)	05/08/2013	Soil	MET
	600-72908-2	CF-5	05/08/2013	Soil	MET
	600-72908-3	CF-6	05/08/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72908-4	CF-7	05/08/2013	Soil	MET
	600-72908-5	CF-8	05/08/2013	Soil	MET
	600-72908-6	CF-9	05/08/2013	Soil	MET
	600-72908-7	CF-10	05/08/2013	Soil	MET
	600-72908-8	TP-33 (1)	05/09/2013	Soil	MET
	600-72908-9	TP-33 (2)	05/09/2013	Soil	MET
	600-72908-10	TP-34 (1)	05/09/2013	Soil	MET
	600-72908-11	TP-35 (1)	05/09/2013	Soil	MET
	600-72908-12	TP-36 (1.5)	05/09/2013	Soil	MET
	600-72908-13	TP-37 (1)	05/09/2013	Soil	MET
	600-72908-14	TP-37 (4)	05/09/2013	Soil	MET
	600-72908-15	TP-37 (4) DUP	05/09/2013	Soil	MET
	600-72908-16	TP-38 (1)	05/09/2013	Soil	MET
	600-72908-17	TP-38 (4)	05/09/2013	Soil	MET
	600-72908-18	TP-38 (4) DUP	05/09/2013	Soil	MET

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	DATE COLL.	MATRIX	PARAMETER
	600-72908-19	TP-39(1.5)	05/09/2013	Soil	MET
	600-72908-20	TP-39 (3.5)	05/09/2013	Soil	MET
	600-72908-21	TP-40 (1)	05/09/2013	Soil	MET
	600-72908-22	TP-40 (3)	05/09/2013	Soil	MET

Table 2-2

Exide Undeveloped Buffer Property

VCP Investigation

Field Quality Control Sample Summary

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	FIELD QC SAMPLE TYPE	ASSOCIATED SAMPLES
1203670	1203670-04	C-16	MS/SD	1203670-04
	1203670-14	J-16	MS/SD	1203670-14
1203697	1203697-01	L-17	MS/SD	1203697-01
	1203697-11	N-13	MS/SD	1203697-11
1203719	1203719-01	L-9	MS/SD	1203719-01
	12037919-11	I-7	MS/SD	1203719-11
1203765	1203765-01	H-5	MS/SD	1203765-01
	1203765-11	D-5	MS/SD	1203765-11
	1203765-21	E-9	MS/SD	1203765-21
	1203765-31	D-11	MS/SD	1203765-31
1203828	1203828-01	O-11	MS/SD	1203828-01
	1203828-11	K-4	MS/SD	1203828-11
	1203828-21	G-18	MS/SD	1203828-21
1205359	1205359-01	E-16 (6-12)	MS/SD	1205359-01
	1205359-11	F-17 (0-3) C	MS/SD	1205359-11

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	FIELD QC SAMPLE TYPE	ASSOCIATED SAMPLES
	1205359-21	F-16 (0-3) S	MS/SD	1205359-21
1205392	1205392-01	G-16 (0-3) S	MS/SD	1205392-01
	1205392-11	L-17 (0-3) N	MS/SD	1205392-11
	1205392-21	M-17 (0-3) W	MS/SD	1205392-21
1205433	1205433-01	M-15 (0-3) N	MS/SD	1205433-01
	1205433-11	N-16 (0-3) W	MS/SD	1205433-11
	1205433-21	M-14 (3-6)	MS/SD	1205433-21
	1205433-31	N-11 (0-3) E	MS/SD	1205433-31
1205456	1205456-01	D-10 (3-6)	MS/SD	1205456-01
	1205456-11	E-9 (6-12)	MS/SD	1205456-11
	1205456-21	D-9 (0-3)	MS/SD	1205456-21
	1205456-31	D-8 (0-3) E	MS/SD	1205456-31
600-72851-1	600-72851-3	N-12 (2-3)	MS/SD	600-72851-3
	600-72851-9	K-10 (2-3) DUP	Field Duplicate	600-72851-7
	600-72851-25	E-9 (2-3)	MS/SD	600-72851-25
	600-72851-27	E-9 (2-3) DUP	Field Duplicate	600-72851-25
	600-72851-37	TP-11 (1-2) DUP	Field Duplicate	600-72851-33
	600-72851-42	BC-8 (2-3) DUP	Field Duplicate	600-72851-40
	600-72851-43	E-10N (2-3) DUP	Field Duplicate	600-72851-21

SDG	LAB SAMPLE ID	FIELD SAMPLE ID	FIELD QC SAMPLE TYPE	ASSOCIATED SAMPLES
	600-72851-44	TP-10D	MS/SD	600-72851-44
	600-72851-52	TP-10I	MS/SD	600-72851-52
	600-72851-55	DE-6C DUP	Field Duplicate	600-72851-54
	600-72851-62	DE-61	MS/SD	600-72851-62
	600-72851-66	TP-11G DUP	Field Duplicate	600-72851-65
	600-72851-71	TP-11A DUP	Field Duplicate	600-72851-70
	600-72851-74	HI-5 (1-2)	MS/SD	600-72851-74
	600-72851-80	O-15A 16 (1-1.75) DUP	Field Duplicate	600-72851-79
	600-72851-84	L-16A2 (1-1.5)	MS/SD	600-72851-84
600-72908-1	600-72908-2	CF-5	MS/SD	600-72908-2
	600-72908-14	TP-37 (4)	MS/SD	600-72908-14
	600-72908-15	TP-37 (4) DUP	Field Duplicate	600-72908-14
	600-72908-18	TP-38 (4) DUP	Field Duplicate	600-72908-17

3.0 DATA REVIEW RESULTS

3.1 ICP METALS

For ICP/MS metal data, the following items are reviewed in this section:

- Initial Calibration;
- Initial and Continuing Calibration Verification;
- Internal Standard;
- Interference Check Sample;
- Serial Dilution, Post Digestion Spike, Method of Standard Addition;
- Holding Time/Preservation Requirements;
- Blanks;
- Laboratory Control Sample;
- Laboratory Spike Sample; and
- Field Duplicate.

The following sections specify the reasons for the data validation qualifiers that are presented in Appendix A.

3.1.1 Initial Calibration

Initial Calibrations were performed daily prior to sample analysis. None of the ICP/MS metal data were qualified based on initial calibration data.

3.1.2 Initial and Continuing Calibration Verification

Initial Calibration Verifications (ICV) were conducted daily after the initial calibration. Continuing calibration verifications (CCV) were conducted before the first sample run, after every 10 samples, and at the end of the analytical sequence. Initial and Continuing Calibrations Verification were within 10% of the expected value. None of the ICP/MS metal data were qualified based on ICV or CCV data.

3.1.3 Internal Standards

Internal standards were added to all ICP/MS samples and quality control samples associated with this report. Internal standard intensities were within 30% to 120% of the intensity of the internal standard in the initial calibration standard. These criteria were met for all the samples in this data set. None of the ICP/MS data were qualified based on Internal Standard data.

3.1.4 Interference Check Solution

All of the Interference Check Solutions (ICS) were conducted at the beginning of an analytical run or once during a 12-hour period, whichever was more frequent. All ICS were within 20% of the true value. None of the ICP metal data were qualified based on ICS data.

3.1.5 Serial Dilution, Post Digestion Spike, Method of Standard Additions

The serial dilution, post digestion spike, and Method of Standard Additions (MSA) were performed, if needed, at the proper frequency and met the requirements set forth in the method with the following exceptions:

SDG	QC SAMPLE ID	ANALYTE	QC RESULT	CONT. LIMIT	QUALIFIED ASSOCIATED SAMPLES
600-72851	600-72851-03	Lead	SD: 13%D	<=10%	600-72851-1-3, 5, 7, 9-11, 13, 16, 21, 23, 25

The analytical results for the analyte(s) in associated samples listed above were qualified as estimated with JI-DL qualifiers for detects based on the quality control items listed above.

3.1.6 Holding Time/Preservation Requirements

The maximum holding time from date of collection to date of preparation for metals in solid matrix samples is 180 days. The maximum holding time from date of preparation to date of analysis for metals in solid matrix samples is 180 days. These holding times were met for all of the samples in this data set. None of the metal data were qualified based on holding times.

3.1.7 Blanks

All associated lab blanks were free of all reported analytes in concentrations at or greater than the Sample Detection Limits (SDLs) with the following exceptions:

SDG	BLANK ID	ANALYTE	CONC. (mg/l)	QUALIFIED ASSOCIATED SAMPLES
600-72908-1	MB 600-105922/1-A	Copper	0.175 mg/kg	None

If a metal is detected in a blank and is also detected in an associated sample in a concentration less than 5 times the concentration found in the blank, the sample data are qualified as non-detected for that compound. Samples that had compounds qualified as NOT detected with a "U" qualifier based on these criteria would be listed in the previous table.

3.1.8 Laboratory Control Sample (LCS)

The LCS review criteria for ICP metal data are as follows:

ACCURACY (%R)	PRECISION (RPD)
70%-130%	30%

One LCS was analyzed with each analytical batch. These criteria were met for the LCS in this data set. None of the ICP metal data were qualified based on LCS data.

3.1.9 Matrix Spike Sample

The Matrix Spike/Matrix Spike Duplicate review criteria for ICP metal data are as follows:

ACCURACY (%R)	PRECISION (RPD)
70%-130%	30%

One MS/MSD was analyzed with each analytical batch. These criteria were met for the MS/MSD pairs in this data set (where the sample concentration was less than 4 times the spike concentration) with the following exceptions:

SDG	MS/MSD ID	ANALYTE	MS %R	MSD %R	CONTROL LIMITS	RPD	CONTROL LIMIT
1203670	1203670-04	Lead	68	48	70-130	7	30
	1203670-14	Lead	136	76	70-130	12	30
1203828	1203828-01	Lead	57	108	70-130	13	30
	1203828-11	Lead	76	57	70-130	7	30
1205359	1205359-01	Lead	146	152	70-130	3	30
	1205359-11	Lead	209	210	70-130	0.4	30
	1205359-21	Lead	229	204	70-130	7	30
1205392	1205392-01	Lead	-21	-1	70-130	9	30
	1205392-11	Lead	25	-4	70-130	9	30
	1205392-21	Lead	37	32	70-130	32	30

SDG	MS/MSD ID	ANALYTE	MS %R	MSD %R	CONTROL LIMITS	RPD	CONTROL LIMIT
1205433	1205433-21*	Lead	26	138	70-130	50	30
	1205433-31	Lead	-35	57	70-130	34	30
1205456	1205456-11	Lead	6	9	70-130	4	30
	1205456-21	Lead	7	NA	70-130	NA	30
	1205456-31	Lead	53	54	70-130	0.3	30

*For this sample the MS recovery was low and the MSD recovery was high and the RPD of the two was out of data review criteria, hence the associated lead result was qualified with with a JI-MS/SD qualifier to denote an indeterminate bias.

NA= Not applicable due to the fact that the sample result was more than 4 times the spike concentration.

The analytes listed above in the parent sample was qualified as follows:

	Detected results	Non-Detected Results
% R greater than 130%	JH-MS/SD	No qualification
% R less than 70% but more than 30%	JL-MS/SD	UJL-MS/SD
% R less than 30%	JL-MS/SD	R-MS/SD
RPD greater than the Control Limit	JI-MS/SD	UJI-MS/SD

3.1.10 Field Duplicates

For solid matrix samples, when both the original and duplicate result are greater than 5 times the MQL, the RPD was equal to or less than 50%. For solid matrix samples, when one or both of the original and duplicate results are less than 5 times the MQL, the results agree within 3 times the greater MQL. The results of this evaluation of all detected results are shown in the following table:

SDG	FIELD DUP ID	ANALYTE	ORIGINAL RESULT	DUPLICATE RESULT	QC RESULT	CRITERIA
600-72851	600-72851-7/9	Lead	13.9	17.6	RPD:23%	<=50%
	600-72851-25/27	Cadmium	0.286	0.380	DIF:0.094	<=1.08
		Lead	10.9	17.7	RPD:48%	<=50%
	600-72851-33/37	Arsenic	14.7	13.7	RPD:7%	<=50%
	600-72851-40/42	Cadmium	0.208	0.220	DIF:0.012	<=0.918
		Lead	**41.1**	**19.2**	**RPD:73%**	**<=50%**
	600-72851-21/43	Cadmium	0.278	0.273	DIF:0.005	<=0.885
		Lead	12.6	12.8	RPD:2%	<=50%
	600-72851-54/55	Arsenic	20.0	22.8	RPD:13%	<=50%
	600-72851-65/66	Arsenic	22.2	19.9	RPD:11%	<=50%
	600-72851-70/71	Arsenic	19.1	20.8	RPD:9%	<=50%

SDG	FIELD DUP ID	ANALYTE	ORIGINAL RESULT	DUPLICATE RESULT	QC RESULT	CRITERIA
	600-72851-79/80	Cadmium	0.206	0.196	DIF:0.010	<=0.864
		Lead	24.2	22.8	RPD:6%	<=50%
600-72908	600-72809-14/15	Cadmium	0.452	0.429	DIF:0.023	<=0.879
		Lead	27.2	27.3	RPD:0.4%	<=50%
	600-72809-17/18	Cadmium	0.200	0.253	DIF:0.053	<=1.22
		Lead	**14.1**	**23.7**	**RPD:51%**	**<=50%**

The samples listed in the previous table in **bold type** were qualified as estimated with UJI-FD qualifiers for non-detects and JI- FD qualifiers for detects based on field duplicate data that did not meet data review criteria.

4.0 DATA USABILITY RELATIVE TO PROJECT OBJECTIVES

The purpose of this project was to delineate metal concentrations in soil samples for the Initial Grid Sampling event. This was accomplished by analyzing soil samples for the constituents of concern (COCs). The following is a discussion of qualified data and the potential impacts these qualified results have on the project objective.

4.1 SAMPLE QUANTITATION LIMITS AND PROTECTIVE CONCENTRATION LIMITS

Sample Detection Limits (SDLs) are the method detection limits for an analyte adjusted for dilutions and sample size. The maximum SDLs for each COC analyte with a non-detect result were all below the designated PCLs.

4.2 POTENTIAL EFFECTS OF BIASES AND IMPRECISION ON USABILITY OF THE DATA

Metal Precision – The following serial dilution results did not meet data review criteria:

SDG	QC SAMPLE ID	ANALYTE	QC RESULT	CONT. LIMIT	QUALIFIED ASSOCIATED SAMPLES
600-72851	600-72851-03	Lead	SD: 13%D	<=10%	600-72851-1-3, 5, 7, 9-11, 13, 16, 21, 23, 25

The interpretation of the lead results for the samples listed above, as being either below or above the PCL, were not impacted by the serial dilution results.

For the lead results in associated samples that were reported at a concentration below the PCL [all samples listed above EXCEPT sample 600-72851-13 [HI-15 (1-2)], the range of lead concentrations reported were from 1.71 mg/kg to 149 mg/kg. When the serial dilution result associated with these samples (13%D) is taken into consideration, even the highest result of 149 mg/kg does not approach or exceed the PCL of 250 mg/kg.

The lead result in sample 600-72851-13 [HI-15 (1-2)] was 1030 mg/kg. The interpretation of this result, as being above the PCL, is not impacted by the serial dilution result because it is not close to the PCL of 250 mg/kg.

The following field duplicate results did not meet data review criteria:

SDG	FIELD DUP ID	ANALYTE	ORIGINAL RESULT (mg/kg)	DUPLICATE RESULT (mg/kg)	PCL (mg/kg)
600-72851	600-72851-40/42	Lead	41.1	19.2	250
600-72908	600-72809-17/18	Lead	14.1	23.7	250

The interpretation of the lead results listed above, as being below the PCL, are not impacted by the field duplicate results because both the original and duplicate result were below the PCL in each case.

Metal Accuracy – The following MS/MSD results did not meet data review criteria:

SDG	MS/MSD ID	ANALYTE	MS %R	MSD %R	RPD	SAMP CONC. (mg/kg)	PCL (mg/kg)	CODE
1203670	1203670-04	Lead	68	48	7	82.4	250	1
	1203670-14	Lead	136	76	12	137	250	2
1203828	1203828-01	Lead	57	108	13	96.9	250	1
	1203828-11	Lead	76	57	7	63.1	250	1
1205359	1205359-01	Lead	146	152	3	39.7	250	2
	1205359-11	Lead	209	210	0.4	64.1	250	2
	1205359-21	Lead	229	204	7	104	250	2

SDG	MS/MSD ID	ANALYTE	MS %R	MSD %R	RPD	SAMP CONC. (mg/kg)	PCL (mg/kg)	CODE
1205392	**1205392-01**	**Lead**	**-21**	**-1**	**9**	**148**	**250**	**3**
	1205392-11	**Lead**	**25**	**-4**	**9**	**196**	**250**	**3**
	1205392-21	**Lead**	**37**	**32**	**32**	**201**	**250**	**3**
1205433	**1205433-21***	**Lead**	**26**	**138**	**50**	**87.4**	**250**	**4**
	1205433-31	**Lead**	**-35**	**57**	**34**	**140**	**250**	**3**
1205456	**1205456-11**	**Lead**	**6**	**9**	**4**	**48.3**	**250**	**3**
	1205456-21	**Lead**	**7**	**NA**	**NA**	**227**	**250**	**3**
	1205456-31	**Lead**	**53**	**54**	**0.3**	**181**	**250**	**3**

CODE 1: The interpretation of the reported result, as being below the PCL, is not impacted by the low MS and/or MSD recovery because the reported result is still below the PCL when the lowest recovery is taken into account.

CODE 2: The interpretation of the reported result, as being below the PCL, is not impacted by the high MS and/or MSD recovery because the reported result is below the PCL.

CODE 3: The interpretation of the reported result, as being below the PCL, **is impacted** by the low MS and/or MSD recovery because the reported result is **above the PCL** when the lowest recovery is taken into account. The results should be treated as being above the PCL.

CODE 4: A coherent interpretation of this result can't be made because when the low MS recovery is taken into account the result is above the PCL and when the high MSD recovery is taken into account the result is below the PCL. This result cannot be interpreted as being above or below the PCL.

In summary, all of the results listed in the previous table in **bold type** should be treated as being above the PCL based on low MS and/or MSD recoveries.

APPENDIX A

QUALIFIED TRRP REPORTS

Table A-1
Data Qualifier Definitions

Qualifier	Definitions
U	The analyte was analyzed for but was not detected above the sample quantitation limit (SDL). The associated value presented in the tables is the method quantitation limit. The sample quantitation limit is not provided in the tables however, the SDL may be found in the analytical laboratory report.
J	The associated value is an estimated quantity.
UJ	The material was analyzed for but was not detected above the reported sample quantitation limit. The associated value is an estimate and may be inaccurate or imprecise.
N	Tentatively identified; The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification.
NJ	Tentatively identified, reported concentration is estimated: The analysis indicates the presence of an analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents the analyte's approximate concentration.
R	Rejected: The data are unusable. (Note: The presence or absence of the analyte cannot be confirmed.)
X1	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory is an on-site or in-house laboratory, defined in 30 TAC 25, and is accredited or periodically inspected at least every 3 years by TCEQ.
X2	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory is an on-site or in-house laboratory, defined in 30 TAC 25, is located outside of Texas, and is accredited or periodically inspected by that state.
X3	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory is an on-site or in-house laboratory, defined in 30 TAC 25, is inspected at least every 3 years by the TCEQ, and the work is performed for another company with a unit located on the same site as the laboratory.
X4	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory is an on-site or in-house laboratory, defined in 30 TAC 25, is inspected at least every 3 years by the TCEQ, and the work is performed without compensation for a governmental agency or a charitable organization.

Qualifier	Definitions
X5	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory is accredited under federal law, including certification by the USEPA to provide these data for decisions related to the Safe Drinking Water Act.
X6	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The laboratory provides these data necessary for emergency response activities and the required analytical data are not available from a laboratory accredited under the Texas Laboratory Accreditation Program.
X7	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ does not offer accreditation for this analyte, in this matrix, analyzed by this method.
X8	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ does offers accreditation for this analyte, in this matrix, analyzed by this method, but the laboratory is not accredited for this analyte in this matrix by this method. The analyte result is validated and reported as part of a suite of analytes for the method.
X9	The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The analyte result was generated prior to July 1, 2008.

Table A-2
Data Validation Qualifier Codes

Qualifier Code	Data Quality Condition Resulting In Assigned Qualification
General Use	
FB	Field blank contamination
FD	Field duplicate evaluation criteria not met
HT	Holding time requirement was not met
LCS	Laboratory control sample evaluation criteria not met
MB	Method blank or preparation blank contamination
RB	Rinsate blank contamination
MQL	Sample quantitation limit exceeds decision criteria (for nondetected
Inorganic Methods	
CCB	Continuing calibration blank contamination
CCV	Continuing calibration verification evaluation criteria not met
D	Laboratory duplicate precision evaluation criteria not met
DL	Serial dilution results did not meet evaluation criteria
ICS	Interference check sample evaluation criteria not met
ICV	Initial calibration verification evaluation criteria not met
MS	Matrix spike recovery outside acceptance range
PDS	Post-digestion spike recovery outside acceptance range
MSA	Method of standard additions correlation coefficient <0.995
PB	Preparation Blank
Organic Methods	
CCAL	Continuing calibration evaluation criteria not met
ICAL	Initial calibration evaluation criteria not met
ID	Target compound identification criteria not met
IS	Internal standard evaluation criteria not met
MS/SD	Matrix spike/matrix spike duplicate accuracy and/or precision criteria
SUR	Surrogate recovery outside acceptance range
TUNE	Instrument performance (tuning) criteria not met
P	Detected concentration difference between the primary and secondary
Bias Codes	
H	Bias in sample result likely to be high
I	Bias in sample result is indeterminate
L	Bias in sample result likely to be low

Table 1 QUALIFIED ANALYTICAL DATA

Field ID	Analyte	Qualification	Reason for Qualification
C-16	Lead	JL	MS/MSD recovery outstide specifications
J-16	Lead	JH	MS/MSD recovery outstide specifications
O-11	Lead	JL	MS/MSD recovery outstide specifications
K-4	Lead	JL	MS/MSD recovery outstide specifications
E-16 (6-12)	Lead	JH	MS/MSD recovery outstide specifications
F-17 (0-3) C	Lead	JH	MS/MSD recovery outstide specifications
F-16 (0-3) S	Lead	JH	MS/MSD recovery outstide specifications
G-16 (0-3) S	Lead	JL	MS/MSD recovery outstide specifications
L-17 (0-3) N	Lead	JL	MS/MSD recovery outstide specifications
M-17 (0-3) W	Lead	JL	MS/MSD recovery outstide specifications
M-14 (3-6)	Lead	JL	MS/MSD recovery outstide specifications
N-11 (0-3) E	Lead	JL	MS/MSD recovery outstide specifications
E-9 (6-12)	Lead	JL	MS/MSD recovery outstide specifications
D-9 (0-3) N	Lead	JL	MS/MSD recovery outstide specifications
D-8 (0-3) E	Lead	JL	MS/MSD recovery outstide specifications
M-12N (1-1.5)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
M-12 (1-2)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
N-12 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
N-11 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
K-10 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
K-10 (2-3) dup	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
N-16 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
KL-15 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
HI-15 (1-2)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
TP-9 (5-6)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
E-10N (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
E10-E (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
E-9 (2-3)	Lead	J	Serial dilution results did not meet recovery criteria, bias in sample result is indeterminate
BC-8 (2-3)	Lead	J	Field duplicate evaluation criteria not met, bias in sample result is indeterminate
BC-8 (2-3) dup	Lead	J	Field duplicate evaluation criteria not met, bias in sample result is indeterminate
TP-38 (4)	Lead	J	Field duplicate evaluation criteria not met, bias in sample result is indeterminate
TP-38 (4) dup	Lead	J	Field duplicate evaluation criteria not met, bias in sample result is indeterminate

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Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203670-01	E-17	Solid	03/23/12 10:26	03/23/12 16:38
1203670-02	E-16	Solid	03/23/12 10:41	03/23/12 16:38
1203670-03	D-16	Solid	03/23/12 10:50	03/23/12 16:38
1203670-04	C-16	Solid	03/23/12 11:02	03/23/12 16:38
1203670-05	C-17	Solid	03/23/12 11:15	03/23/12 16:38
1203670-06	D-17	Solid	03/23/12 11:28	03/23/12 16:38
1203670-07	F-16	Solid	03/23/12 13:04	03/23/12 16:38
1203670-08	F-17	Solid	03/23/12 13:21	03/23/12 16:38
1203670-09	G-16	Solid	03/23/12 13:30	03/23/12 16:38
1203670-10	G-17	Solid	03/23/12 13:44	03/23/12 16:38
1203670-11	H-16	Solid	03/23/12 13:54	03/23/12 16:38
1203670-12	H-17	Solid	03/23/12 14:07	03/23/12 16:38
1203670-13	I-16	Solid	03/23/12 14:16	03/23/12 16:38
1203670-14	J-16	Solid	03/23/12 14:38	03/23/12 16:38
1203670-15	J-17	Solid	03/23/12 14:48	03/23/12 16:38
1203670-16	K-17	Solid	03/23/12 15:15	03/23/12 16:38
1203670-17	K-16	Solid	03/23/12 15:35	03/23/12 16:38
1203670-18	I-17	Solid	03/23/12 14:27	03/23/12 16:38
1203670-19	L-16	Solid	03/23/12 15:40	03/23/12 16:38

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

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Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-17
Sample Date/Time: 03/23/12 1026

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.98	0.221	mg/kg dry	10.31	M4	2C26077	03/27/12 1713	SPS	R-01
Lead	**43.2**	1.86	0.42	mg/kg dry	10.31	M4	2C26077	03/27/12 1713	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-16
Sample Date/Time: 03/23/12 1041

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.73	0.221	mg/kg dry	19.05	M4	2C26077	03/27/12 1957	SPS	R-01
Lead	**259**	3.28	0.42	mg/kg dry	19.05	M4	2C26077	03/27/12 1957	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-16
Sample Date/Time: 03/23/12 1050

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**71**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.10	0.221	mg/kg dry	20.20	M4	2C26077	03/27/12 2004	SPS	R-01
Lead	**436**	3.97	0.42	mg/kg dry	20.20	M4	2C26077	03/27/12 2004	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-16
Sample Date/Time: 03/23/12 1102

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**70**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.05	0.221	mg/kg dry	10.00	M4	2C26077	03/27/12 1721	SPS	R-01
Lead	JL-MS/SD **82.4**	1.99	0.42	mg/kg dry	10.00	M4	2C26077	03/27/12 1721	SPS	Q-21, R-01 ECS

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-17
Sample Date/Time: 03/23/12 1115

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**63**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.23	0.221	mg/kg dry	10.53	M4	2C26077	03/27/12 1728	SPS	R-01
Lead	**75.0**	2.32	0.42	mg/kg dry	10.53	M4	2C26077	03/27/12 1728	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-17
Sample Date/Time: 03/23/12 1128

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	70	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	51.55	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	ND	1.09	0.221	mg/kg dry	10.31	M4	2C26077	03/27/12 1735	SPS	R-01
Lead	65.5	2.06	0.42	mg/kg dry	10.31	M4	2C26077	03/27/12 1735	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: F-16
Sample Date/Time: 03/23/12 1304

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.35**	1.00	0.221	mg/kg dry	10.00	M4	2C26077	03/27/12 1742	SPS	J, R-01
Lead	**266**	1.89	0.42	mg/kg dry	10.00	M4	2C26077	03/27/12 1742	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: F-17
Sample Date/Time: 03/23/12 1321

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**4.60**	0.95	0.221	mg/kg dry	10.00	M4	2C26077	03/27/12 1749	SPS	R-01
Lead	**1840**	1.79	0.42	mg/kg dry	10.00	M4	2C26077	03/27/12 1749	SPS	R-01

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: G-16
Sample Date/Time: 03/23/12 1330

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.93**	1.06	0.221	mg/kg dry	10.42	M4	2C26077	03/27/12 1756	SPS	R-01, J
Lead	**537**	2.00	0.42	mg/kg dry	10.42	M4	2C26077	03/27/12 1756	SPS	R-01

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Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: G-17
Sample Date/Time: 03/23/12 1344

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.01	0.221	mg/kg dry	10.00	M4	2C26077	03/27/12 1803	SPS	R-01
Lead	**92.0**	1.90	0.42	mg/kg dry	10.00	M4	2C26077	03/27/12 1803	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: H-16
Sample Date/Time: 03/23/12 1354

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	9.52	M4	2C26077	03/27/12 1829	SPS	R-01
Lead	**38.6**	1.78	0.42	mg/kg dry	9.52	M4	2C26077	03/27/12 1829	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: H-17
Sample Date/Time: 03/23/12 1407

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.02	0.221	mg/kg dry	10.10	M4	2C26077	03/27/12 1836	SPS	R-01
Lead	**57.5**	1.93	0.42	mg/kg dry	10.10	M4	2C26077	03/27/12 1836	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: I-16
Sample Date/Time: 03/23/12 1416

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C26077	03/27/12 1338	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.93	0.221	mg/kg dry	10.10	M4	2C26077	03/27/12 1843	SPS	R-01
Lead	**24.5**	1.76	0.42	mg/kg dry	10.10	M4	2C26077	03/27/12 1843	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: J-16
Sample Date/Time: 03/23/12 1438

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**0.97**	0.96	0.221	mg/kg dry	9.80	M4	2C27057	03/27/12 1850	SPS	R-01, J
Lead JH-MS/SD	**137**	1.82	0.42	mg/kg dry	9.80	M4	2C27057	03/27/12 1850	SPS	Q-20, R-01 ECS

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: J-17
Sample Date/Time: 03/23/12 1448

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.01	0.221	mg/kg dry	20.00	M4	2C27057	03/27/12 2011	SPS	R-01
Lead	**123**	3.79	0.42	mg/kg dry	20.00	M4	2C27057	03/27/12 2011	SPS	R-01

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Report of Sample Analysis

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2201 Double Creek Dr., Suite 4004
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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: K-17
Sample Date/Time: 03/23/12 1515

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.03**	0.95	0.221	mg/kg dry	9.52	M4	2C27057	03/27/12 1904	SPS	R-01, J
Lead	**176**	1.80	0.42	mg/kg dry	9.52	M4	2C27057	03/27/12 1904	SPS	R-01

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Report of Sample Analysis

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: K-16
Sample Date/Time: 03/23/12 1535

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**63**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.25**	1.23	0.221	mg/kg dry	10.53	M4	2C27057	03/27/12 1911	SPS	R-01, J
Lead	**158**	2.32	0.42	mg/kg dry	10.53	M4	2C27057	03/27/12 1911	SPS	R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: I-17
Sample Date/Time: 03/23/12 1427

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.86	0.221	mg/kg dry	19.42	M4	2C27057	03/27/12 2018	SPS	R-01
Lead	**70.9**	3.52	0.42	mg/kg dry	19.42	M4	2C27057	03/27/12 2018	SPS	R-01

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Report of Sample Analysis

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Laboratory ID #: 1203670-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: L-16
Sample Date/Time: 03/23/12 1540

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**69**	0.040	0.2	%	1.00	W3	2C26071	03/26/12 1046	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27057	03/27/12 1012	RLC	
Metals (Total), EPA 6010B										
Cadmium	**5.24**	2.15	0.221	mg/kg dry	20.00	M4	2C27057	03/27/12 2024	SPS	R-01, J
Lead	**833**	4.08	0.42	mg/kg dry	20.00	M4	2C27057	03/27/12 2024	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C26071-BLK1)										
Prepared & Analyzed: 03/26/12 10:46										
% Solids	**ND**	0.040	%							
Duplicate (2C26071-DUP1)										
Prepared & Analyzed: 03/26/12 10:46					**Source: 1203670-01**					
% Solids	**77**	0.040	%		78			0.3	7	
Duplicate (2C26071-DUP2)										
Prepared & Analyzed: 03/26/12 10:46					**Source: 1203670-11**					
% Solids	**74**	0.040	%		75			1	7	

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C26077-BLK1) Prepared & Analyzed: 03/27/12 08:38										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C26077-BS1) Prepared & Analyzed: 03/27/12 08:38										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**25.0**	0.07	mg/kg wet	25.0		100	80-120			
Lead	**24.8**	0.14	mg/kg wet	25.0		99	80-120			
Laboratory Control Sample Duplicate (2C26077-BSD1) Prepared & Analyzed: 03/27/12 08:38										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**24.8**	0.07	mg/kg wet	25.0		99	80-120	0.9	20	
Lead	**24.4**	0.14	mg/kg wet	25.0		98	80-120	1	20	
Matrix Spike (2C26077-MS1) Prepared & Analyzed: 03/27/12 08:38					**Source: 1203622-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**30.4**	0.83	mg/kg dry	28.0	ND	109	75-125			R-01
Lead	**40.6**	1.57	mg/kg dry	28.0	9.46	111	75-125			R-01
Matrix Spike (2C26077-MS2) Prepared & Analyzed: 03/27/12 08:38					**Source: 1203670-04**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**33.9**	1.06	mg/kg dry	36.0	ND	94	75-125			R-01
Lead	**107**	2.01	mg/kg dry	36.0	82.4	68	75-125			Q-02, R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2C26077-MSD1) Prepared & Analyzed: 03/27/12 08:38					**Source: 1203622-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**29.3**	0.84	mg/kg dry	28.3	ND	104	75-125	4	20	R-01
Lead	**39.2**	1.58	mg/kg dry	28.3	9.46	105	75-125	3	20	R-01
Matrix Spike Duplicate (2C26077-MSD2) Prepared & Analyzed: 03/27/12 08:38					**Source: 1203670-04**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**34.8**	1.06	mg/kg dry	36.0	ND	97	75-125	3	20	R-01
Lead	**99.8**	2.01	mg/kg dry	36.0	82.4	48	75-125	7	20	Q-02, R-01
Blank (2C27057-BLK1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C27057-BS1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**23.4**	0.07	mg/kg wet	25.0		93	80-120			
Lead	**23.1**	0.14	mg/kg wet	25.0		92	80-120			
Laboratory Control Sample Duplicate (2C27057-BSD1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**23.5**	0.07	mg/kg wet	25.0		94	80-120	0.4	20	
Lead	**23.0**	0.14	mg/kg wet	25.0		92	80-120	0.3	20	

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike (2C27057-MS1) Prepared & Analyzed: 03/27/12 10:12					**Source: 1203670-14**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**32.7**	0.98	mg/kg dry	33.1	0.97	96	75-125			R-01
Lead	**182**	1.85	mg/kg dry	33.1	137	136	75-125			Q-02, R-01
Matrix Spike Duplicate (2C27057-MSD1) Prepared & Analyzed: 03/27/12 10:12					**Source: 1203670-14**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**33.2**	0.98	mg/kg dry	33.1	0.97	97	75-125	2	20	R-01
Lead	**162**	1.85	mg/kg dry	33.1	137	76	75-125	12	20	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 12:54

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

J	This value is above the method detection limit but below the reporting limit.
Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-20	The recovery of this analyte in the MS was higher than the acceptable range. This indicates a high bias to the result presented.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1203670 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	03/28/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**03/28/12**
Project Name:	**Exide SS**	Laboratory Job Number:	**1203670**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2C26071,2C26077,2C27057**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	O	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	O	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	O	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	O	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	O	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	O	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	O	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	O	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	O	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	**LRC Date:**	03/28/12
Project Name:	Exide SS	**Laboratory Job**	1203670
Reviewer Name:	Leslie Underwood	**Prep Batch Number(s):**	2C26071,2C26077,2C27057

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
S1	O	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	O	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS)					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	O	Raw data (NELAC section 1 appendix A glossary, and section 5.12 of ISO/IEC 17025 section 4)					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs)					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	O	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	O	Proficiency test reports					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	O	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	O	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	O	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	O	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	O	Laboratory standard operating procedures (SOPs)					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/28/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203670**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2C26071,2C26077,2C27057**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (68%) was outside acceptance limits (75-125) in 2C26077-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (48%) was outside acceptance limits (75-125) in 2C26077-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1203670-04) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (136%) was outside acceptance limits (75-125) in 2C27057-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source sample (1203670-14) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1517042

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 3201 Double Creek Dr Ste 4004	Copy To:	Company Name: same
		Address:
Email To: chris.moore@PBWLLC.com	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Exide SS	Pace Project Manager:
Requested Due Date/TAT: 48 hr	Project Number: 1775	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Btkl Pb Tr Cd / 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-17	SL	G	3/23/12	1026				1	X									X		1203670-01
2	E-16				1041				1	X									X		1203670-02
3	D-16				1050				1	X									X		1203670-03
4	C-16				1102				1	X									X		1203670-04
5	C-17				1115				1	X									X		1203670-05
6	D-17				1128				1	X									X		1203670-06
7	F-16				1304				1	X									X		1203670-07
8	F-17				1321				1	X									X		1203670-08
9	G-16				1330				1	X									X		1203670-09
10	G-17				1344				1	X									X		1203670-10
11	H-16				1354				1	X									X		1203670-11
12	H-17				1407				1	X									X		1203670-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	PBW	3/23/12	1601	Falcon	3-23-12	1601	2 6 C Y N Y
	Falcon	3-23-12	1638	Fedex Caribou	3.23.12	1638	IR-01

ORIGINAL

SAMPLER NAME AND SIGNATURE: Chris

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: Chris

DATE Signed (MM/DD/YY): 3/23/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1517043

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 2201 Double Creek Dr Ste 4004	Copy To:	Company Name: same
		Address:
Email To: chris.moore@pbwllc.com	Purchase Order No.:	Pace Quote Reference:
Phone: 512-407-2175 Fax: 512-407-3434	Project Name: Exide SS	Pace Project Manager:
Requested Due Date/TAT: 48 hr	Project Number: 1775	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total Pb + Cd 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	I-16	S	G	3/23/12	1416				1	X							X	X		1203670-13
2	J-16	S	G		1438				1	X							X	X		1203670-14
3	J-17	S	G		1448				1	X							X	X		1203670-15
4	K-17	S	G		1515				1	X							X	X		1203670-16
5	K-16	S	G		1535				1	X							X	X		1203670-17
6	F-17	S	G		1427				1	X							X	X		1203670-18
7	I-16	S	G		1540				1	X							X	X		1203670-19
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	Chris Moore / PBW	3/23/12	1601	Robert Scott Falcon	3-23-12	1601	2.6C	Y	N	Y
	Robert Scott Falcon	3-23-12	1638	Dawn Caimkes	3.23.12	1638	IR-01			

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/23/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1203670

Received at PACE MRC 3.23.12 1638

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME Pastor		DATE 3-23-12
	ADDRESS 7471 S. 5th Street	SUITE	
	CITY Frisco, TX		
	REFERENCE NO.		
CONSIGNEE	NAME PACE		
	ADDRESS 400 W Bethany	SUITE 190	
	CITY Allen TX		
	ATTN:		

Falcon Charges	Type of Delivery
☐ PREPAID	☒ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
19	bottles		WEIGHT CHARGE	
			WAITING TIME CHG	
			DELIVERY CHARGE	

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

TOTAL CHARGES

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Derek Scott		4:05 / 4:38	X Ramon Carrillo	X

16:38
MRC
3.23.12

Lab Number(s): 1203670

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	1	4oz	Cool Note: please check if collected in pre-weighed vials_____	Glass	

Metals Preserved By Login □yes □no Trip Blanks Received □yes □no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 3-23-12 Date 1656 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203697-01	L-17	Solid	03/26/12 10:40	03/26/12 16:35
1203697-02	M-16	Solid	03/26/12 10:54	03/26/12 16:35
1203697-03	M-17	Solid	03/26/12 11:16	03/26/12 16:35
1203697-04	N-16	Solid	03/26/12 11:33	03/26/12 16:35
1203697-05	N-17	Solid	03/26/12 11:43	03/26/12 16:35
1203697-06	M-15	Solid	03/26/12 13:25	03/26/12 16:35
1203697-07	M-14	Solid	03/26/12 13:29	03/26/12 16:35
1203697-08	M-13	Solid	03/26/12 13:35	03/26/12 16:35
1203697-09	N-15	Solid	03/26/12 13:50	03/26/12 16:35
1203697-10	N-14	Solid	03/26/12 13:58	03/26/12 16:35
1203697-11	N-13	Solid	03/26/12 14:14	03/26/12 16:35
1203697-12	N-12	Solid	03/26/12 14:23	03/26/12 16:35
1203697-13	N-11	Solid	03/26/12 14:40	03/26/12 16:35
1203697-14	N-10	Solid	03/26/12 14:45	03/26/12 16:35
1203697-15	N-9	Solid	03/26/12 14:54	03/26/12 16:35
1203697-16	M-12	Solid	03/26/12 15:20	03/26/12 16:35
1203697-17	M-11	Solid	03/26/12 15:23	03/26/12 16:35
1203697-18	M-10	Solid	03/26/12 15:25	03/26/12 16:35
1203697-19	M-9	Solid	03/26/12 15:30	03/26/12 16:35

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203697-20	L-8	Solid	03/26/12 15:42	03/26/12 16:35

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

www.pacelabs.com

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: L-17
Sample Date/Time: 03/26/12 1040

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.97	0.221	mg/kg dry	19.23	M4	2C27058	03/28/12 1349	SPS	R-01
Lead	**295**	3.73	0.42	mg/kg dry	19.23	M4	2C27058	03/28/12 1349	SPS	Q-21, R-01

NK 7
6-19-13

Pace Analytical Services, Inc.
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Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-16
Sample Date/Time: 03/26/12 1054

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.21**	0.94	0.221	mg/kg dry	9.52	M4	2C27058	03/27/12 2231	SPS	R-01, J
Lead	**265**	1.78	0.42	mg/kg dry	9.52	M4	2C27058	03/27/12 2231	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-17
Sample Date/Time: 03/26/12 1116

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**65**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.88**	2.24	0.221	mg/kg dry	19.61	M4	2C27058	03/28/12 1356	SPS	R-01, J
Lead	**426**	4.24	0.42	mg/kg dry	19.61	M4	2C27058	03/28/12 1356	SPS	R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-16
Sample Date/Time: 03/26/12 1133

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.16**	0.89	0.221	mg/kg dry	10.00	M4	2C27058	03/27/12 2245	SPS	R-01, J
Lead	**307**	1.68	0.42	mg/kg dry	10.00	M4	2C27058	03/27/12 2245	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-17
Sample Date/Time: 03/26/12 1143

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.17**	0.92	0.221	mg/kg dry	10.00	M4	2C27058	03/27/12 2252	SPS	R-01, J
Lead	**238**	1.73	0.42	mg/kg dry	10.00	M4	2C27058	03/27/12 2252	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-15
Sample Date/Time: 03/26/12 1325

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.31**	1.90	0.221	mg/kg dry	20.00	M4	2C27058	03/28/12 1409	SPS	R-01, J
Lead	**352**	3.60	0.42	mg/kg dry	20.00	M4	2C27058	03/28/12 1409	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: M-14
Sample Date/Time: 03/26/12 1329

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.74**	1.93	0.221	mg/kg dry	19.80	M4	2C27058	03/28/12 1416	SPS	R-01, J
Lead	**467**	3.66	0.42	mg/kg dry	19.80	M4	2C27058	03/28/12 1416	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-13
Sample Date/Time: 03/26/12 1335

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.83	0.221	mg/kg dry	20.62	M4	2C27058	03/28/12 1423	SPS	R-01
Lead	**240**	3.45	0.42	mg/kg dry	20.62	M4	2C27058	03/28/12 1423	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-15
Sample Date/Time: 03/26/12 1350

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.87	0.221	mg/kg dry	21.05	M4	2C27058	03/28/12 1429	SPS	R-01
Lead	**101**	3.54	0.42	mg/kg dry	21.05	M4	2C27058	03/28/12 1429	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: N-14
Sample Date/Time: 03/26/12 1358

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.15**	0.90	0.221	mg/kg dry	9.62	M4	2C27058	03/28/12 0034	SPS	R-01, J
Lead	**152**	1.70	0.42	mg/kg dry	9.62	M4	2C27058	03/28/12 0034	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-13
Sample Date/Time: 03/26/12 1414

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.48	0.221	mg/kg dry	28.57	M4	2C27058	03/28/12 1548	SPS	R-01
Lead	**134**	4.69	0.42	mg/kg dry	28.57	M4	2C27058	03/28/12 1548	SPS	Q-20, R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-12
Sample Date/Time: 03/26/12 1423

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.20**	0.89	0.221	mg/kg dry	10.53	M4	2C27058	03/28/12 0048	SPS	R-01
Lead	**411**	1.69	0.42	mg/kg dry	10.53	M4	2C27058	03/28/12 0048	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: N-11
Sample Date/Time: 03/26/12 1440

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.06	0.221	mg/kg dry	24.04	M4	2C27058	03/28/12 1535	SPS	R-01
Lead	**318**	3.90	0.42	mg/kg dry	24.04	M4	2C27058	03/28/12 1535	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-10
Sample Date/Time: 03/26/12 1445

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.03	0.221	mg/kg dry	10.42	M4	2C27058	03/28/12 0120	SPS	R-01
Lead	**ND**	1.96	0.42	mg/kg dry	10.42	M4	2C27058	03/28/12 0120	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: N-9
Sample Date/Time: 03/26/12 1454

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.90	0.221	mg/kg dry	9.52	M4	2C27058	03/28/12 0127	SPS	R-01
Lead	**87.8**	1.70	0.42	mg/kg dry	9.52	M4	2C27058	03/28/12 0127	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-12
Sample Date/Time: 03/26/12 1520

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.21**	1.76	0.221	mg/kg dry	20.20	M4	2C27058	03/28/12 1502	SPS	R-01, J
Lead	**544**	3.33	0.42	mg/kg dry	20.20	M4	2C27058	03/28/12 1502	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-11
Sample Date/Time: 03/26/12 1523

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.16	0.221	mg/kg dry	25.00	M4	2C27058	03/28/12 1541	SPS	R-01
Lead	**223**	4.08	0.42	mg/kg dry	25.00	M4	2C27058	03/28/12 1541	SPS	R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-10
Sample Date/Time: 03/26/12 1525

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.94	0.221	mg/kg dry	20.00	M4	2C27058	03/28/12 1515	SPS	R-01
Lead	**164**	3.67	0.42	mg/kg dry	20.00	M4	2C27058	03/28/12 1515	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-9
Sample Date/Time: 03/26/12 1530

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.69	0.221	mg/kg dry	19.05	M4	2C27058	03/28/12 1521	SPS	R-01
Lead	**54.7**	3.21	0.42	mg/kg dry	19.05	M4	2C27058	03/28/12 1521	SPS	R-01

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Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Laboratory ID #: 1203697-20
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: L-8
Sample Date/Time: 03/26/12 1542

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C27059	03/27/12 1059	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2C27058	03/27/12 1021	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.01	0.221	mg/kg dry	10.20	M4	2C27058	03/28/12 0201	SPS	R-01
Lead	**139**	1.90	0.42	mg/kg dry	10.20	M4	2C27058	03/28/12 0201	SPS	R-01

MLC
6-19-13

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C27059-BLK1)										
Prepared & Analyzed: 03/27/12 10:59										
% Solids	**ND**	0.040	%							
Duplicate (2C27059-DUP1)										
Prepared & Analyzed: 03/27/12 10:59					**Source: 1203697-01**					
% Solids	**72**	0.040	%		72			0.1	7	
Duplicate (2C27059-DUP2)										
Prepared & Analyzed: 03/27/12 10:59					**Source: 1203697-11**					
% Solids	**82**	0.040	%		85			4	7	

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Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C27058-BLK1) Prepared & Analyzed: 03/27/12 10:21										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C27058-BS1) Prepared & Analyzed: 03/27/12 10:21										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**23.2**	0.07	mg/kg wet	25.0		93	80-120			
Lead	**23.3**	0.14	mg/kg wet	25.0		93	80-120			
Laboratory Control Sample Duplicate (2C27058-BSD1) Prepared & Analyzed: 03/27/12 10:21										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**23.0**	0.07	mg/kg wet	25.0		92	80-120	0.6	20	
Lead	**23.4**	0.14	mg/kg wet	25.0		94	80-120	0.3	20	
Matrix Spike (2C27058-MS1) Prepared & Analyzed: 03/27/12 10:21					**Source: 1203697-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**33.8**	0.98	mg/kg dry	33.0	ND	102	75-125			R-01
Lead	**325**	1.85	mg/kg dry	33.0	295	90	75-125			R-01
Matrix Spike (2C27058-MS2) Prepared & Analyzed: 03/27/12 10:21					**Source: 1203697-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**30.5**	1.65	mg/kg dry	27.9	ND	109	75-125			R-01
Lead	**349**	3.13	mg/kg dry	27.9	134	768	75-125			Q-02, R-01

NA

NA

NA-orig 74x5pk

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2C27058-MSD1) Prepared & Analyzed: 03/27/12 10:21					**Source: 1203697-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**32.8**	0.98	mg/kg dry	33.0	ND	99	75-125	3	20	R-01
Lead	**265**	1.85	mg/kg dry	33.0	295	-92	75-125	20	20	Q-02, R-01 NA
Matrix Spike Duplicate (2C27058-MSD2) Prepared & Analyzed: 03/27/12 10:21					**Source: 1203697-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**32.2**	1.67	mg/kg dry	28.2	ND	114	75-125	5	20	R-01
Lead	**343**	3.16	mg/kg dry	28.2	134	737	75-125	2	20	Q-02, R-01 NA

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/28/12 16:53

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

J	This value is above the method detection limit but below the reporting limit.
Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-20	The recovery of this analyte in the MS was higher than the acceptable range. This indicates a high bias to the result presented.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1203697 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	03/28/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	LRC Date:	03/28/12
Project Name:	Exide SS	Laboratory Job Number:	1203697
Reviewer Name:	Leslie Underwood	Prep Batch Number(s):	2C27058,2C27059

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PACE Analytical Services, Inc.

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	**LRC Date:**	03/28/12
Project Name:	Exide SS	**Laboratory Job**	1203697
Reviewer Name:	Leslie Underwood	**Prep Batch Number(s):**	2C27058,2C27059

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#
S1	O	Initial calibration (ICAL):					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	O	Initial and continuing calibration verification (ICV and CCV) and continuing calibration					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	O	Raw data (NELAC section 1 appendix A glossary, and section 5.10 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation:					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions:					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	O	Method detection limit (MDL) studies:					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	O	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	O	Standards documentation:					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	O	Compound/analyte identification procedures:					
		Are the procedures for compound/analyte identification documented?	X				
S14	O	Demonstration of analyst competency (DOC):					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	O	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5):					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	O	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/28/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203697**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2C27058,2C27059**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (768%) was outside acceptance limits (75-125) in 2C27058-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source sample (1203697-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-92%) was outside acceptance limits (75-125) in 2C27058-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1203697-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (737%) was outside acceptance limits (75-125) in 2C27058-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source sample (1203697-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1517044

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 2201 Double Creek Dr Ste 4004	Copy To: jen.bush@pbwllc.com	Company Name: same
Email To: chris.moore@pbwllc.com	Purchase Order No.:	Address:
Phone: 512-671-3434 Fax: 512-671-3446	Project Name: Excel SS	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 1775	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: Pb+Ni+Lead+Cadmium 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	L-17	SL	G	3/24/12	1040				1	X								X	X		1203697-01
2	M-16				1054				1												1203697-02
3	M-17				1116				1												1203697-03
4	N-16				1133				1												1203697-04
5	N-17				1143				1												1203697-05
6	M-15				1325				1												1203697-06
7	M-14				1329				1												1203697-07
8	M-13				1335				1												1203697-08
9	N-15				1350				1												1203697-09
10	N-14				1358				1												1203697-10
11	N-13				1414				1												1203697-11
12	N-12				1423				1												1203697-12

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	/PBW	3/26/12	1559	Herbert Scott Falcon	3-26-12	1559				
	Herbert Scott Falcon	3-26-12	1635	Leslie Underwood-Pace	3/26/12	1635	5.8	Y	N/A	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/24/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
T#01			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1517045

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 2201 Double Creek Dr Ste 4004	Copy To: jen.bash@pbwllc.com	Company Name: same
Email To: chris.moore@PBWllc.com	Purchase Order No.:	Address:
Phone: 512-671-3484 Fax: 512-671-3446	Project Name: Exide SS	Pace Quote Reference:
Requested Due Date/TAT: 48 hr	Project Number: 1775	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Pb-Cd 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	N-11	SL	G	3/26/12	1446				1	X									X		1203697-13
2	N-10				1445																1203697-14
3	N-9				1454																1203697-15
4	M-12				1520																1203697-16
5	M-11				1523																1203697-17
6	M-10				1525																1203697-18
7	M-9				1530																1203697-19
8	L-8				1542																1203697-20
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] PBW	3/26/12	1559	[signature] Falcon	3/26/12	1559				
	[signature] Falcon	3-26-12	1635	Leslie Hudson-Pace	3/26/12	1635	5.8	Y	N/A	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/26/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1203697

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER
NAME Pastor
ADDRESS 7471 S. 5th Street SUITE
CITY Frisco, TX
REFERENCE NO.

DATE 3-26-12

CONSIGNEE
NAME PACE
ADDRESS 400 W Bethany SUITE 190
CITY Allen TX
ATTN:

Falcon Charges	Type of Delivery
☐ PREPAID	☒ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
20	bottles		WEIGHT CHARGE	
			WAITING TIME CHG	
			DELIVERY CHARGE	
			TOTAL CHARGES	

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL	RECEIVED BY	RECEIVED BY
Darlene Scott		1559 / 1635	X Robbie Underwood	X

Lab Number(s): 120697

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	20	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login □yes □no Trip Blanks Received □yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 3-26-12 Date 1700 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203719-01	L-9	Solid	03/26/12 16:31	03/27/12 12:00
1203719-02	L-10	Solid	03/26/12 16:43	03/27/12 12:00
1203719-03	K-10	Solid	03/26/12 16:50	03/27/12 12:00
1203719-04	L-6	Solid	03/26/12 17:13	03/27/12 12:00
1203719-05	L-7	Solid	03/26/12 17:18	03/27/12 12:00
1203719-06	K-6	Solid	03/26/12 17:23	03/27/12 12:00
1203719-07	K-7	Solid	03/26/12 17:29	03/27/12 12:00
1203719-08	K-8	Solid	03/26/12 17:53	03/27/12 12:00
1203719-09	K-9	Solid	03/26/12 17:59	03/27/12 12:00
1203719-10	I-6	Solid	03/27/12 07:37	03/27/12 12:00
1203719-11	I-7	Solid	03/27/12 07:43	03/27/12 12:00
1203719-12	J-7	Solid	03/27/12 07:48	03/27/12 12:00
1203719-13	J-6	Solid	03/27/12 07:58	03/27/12 12:00
1203719-14	J-5	Solid	03/27/12 08:20	03/27/12 12:00
1203719-15	J-4	Solid	03/27/12 08:24	03/27/12 12:00
1203719-16	J-3	Solid	03/27/12 10:14	03/27/12 12:00
1203719-17	I-4	Solid	03/27/12 10:27	03/27/12 12:00
1203719-18	I-5	Solid	03/27/12 10:36	03/27/12 12:00
1203719-19	I-3	Solid	03/27/12 10:45	03/27/12 12:00

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203719-20	J-2	Solid	03/27/12 10:53	03/27/12 12:00
1203719-21	H-4	Solid	03/27/12 11:07	03/27/12 12:00
1203719-22	H-3	Solid	03/27/12 11:17	03/27/12 12:00

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-01
Sample Type: Grab
Sample Description: L-9
Matrix: Solid
Sample Date/Time: 03/26/12 1631
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.91	0.221	mg/kg dry	9.80	M4	2C28053	03/28/12 2222	SPS	R-01
Lead	**173**	1.72	0.42	mg/kg dry	9.80	M4	2C28053	03/28/12 2222	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-02
Sample Type: Grab
Sample Description: L-10
Matrix: Solid
Sample Date/Time: 03/26/12 1643
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.95	0.221	mg/kg dry	9.80	M4	2C28053	03/28/12 2237	SPS	R-01
Lead	**121**	1.80	0.42	mg/kg dry	9.80	M4	2C28053	03/28/12 2237	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-10
Sample Date/Time: 03/26/12 1650

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.48**	0.99	0.221	mg/kg dry	9.80	M4	2C28053	03/28/12 2303	SPS	J, R-01
Lead	**293**	1.88	0.42	mg/kg dry	9.80	M4	2C28053	03/28/12 2303	SPS	R-01

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6-19-12

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: L-6
Sample Date/Time: 03/26/12 1713

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.99	0.221	mg/kg dry	9.62	M4	2C28053	03/28/12 2310	SPS	R-01
Lead	**62.7**	1.87	0.42	mg/kg dry	9.62	M4	2C28053	03/28/12 2310	SPS	R-01

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6-19-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: L-7
Sample Date/Time: 03/26/12 1718

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.06	0.221	mg/kg dry	10.42	M4	2C28053	03/28/12 2318	SPS	R-01
Lead	**103**	2.01	0.42	mg/kg dry	10.42	M4	2C28053	03/28/12 2318	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-6
Sample Date/Time: 03/26/12 1723

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.92	0.221	mg/kg dry	10.42	M4	2C28053	03/28/12 2325	SPS	R-01
Lead	**33.6**	1.74	0.42	mg/kg dry	10.42	M4	2C28053	03/28/12 2325	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-7
Sample Date/Time: 03/26/12 1729

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.99	0.221	mg/kg dry	10.20	M4	2C28053	03/28/12 2332	SPS	R-01
Lead	**88.9**	1.86	0.42	mg/kg dry	10.20	M4	2C28053	03/28/12 2332	SPS	R-01

MKJ
6-19-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-8
Sample Date/Time: 03/26/12 1753

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.97	0.221	mg/kg dry	10.20	M4	2C28053	03/28/12 2339	SPS	R-01
Lead	**122**	1.83	0.42	mg/kg dry	10.20	M4	2C28053	03/28/12 2339	SPS	R-01

NK 6-19-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-9
Sample Date/Time: 03/26/12 1759

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.06	0.221	mg/kg dry	10.53	M4	2C28053	03/28/12 2346	SPS	R-01
Lead	**161**	2.00	0.42	mg/kg dry	10.53	M4	2C28053	03/28/12 2346	SPS	R-01

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6-19-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: I-6
Sample Date/Time: 03/27/12 0737

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.99	0.221	mg/kg dry	10.00	M4	2C28053	03/28/12 2354	SPS	R-01
Lead	**51.4**	1.87	0.42	mg/kg dry	10.00	M4	2C28053	03/28/12 2354	SPS	R-01

MK7
6/9-13

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Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: I-7
Sample Date/Time: 03/27/12 0743

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C28071	03/28/12 1431	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.97	0.221	mg/kg dry	9.62	M4	2C28053	03/28/12 2230	SPS	R-01
Lead	**57.7**	1.83	0.42	mg/kg dry	9.62	M4	2C28053	03/28/12 2230	SPS	R-01

MK7
6-19-13

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www.pacelabs.com

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Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-12
Sample Type: Grab
Sample Description: J-7
Matrix: Solid
Sample Date/Time: 03/27/12 0748
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	77	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	50.51	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	ND	0.97	0.221	mg/kg dry	10.10	M4	2C28053	03/29/12 0001	SPS	R-01
Lead	107	1.84	0.42	mg/kg dry	10.10	M4	2C28053	03/29/12 0001	SPS	R-01

MLC
6-19-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: J-6
Sample Date/Time: 03/27/12 0758

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.93	0.221	mg/kg dry	9.52	M4	2C28053	03/29/12 0008	SPS	R-01
Lead	**58.8**	1.76	0.42	mg/kg dry	9.52	M4	2C28053	03/29/12 0008	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-14
Sample Type: Grab
Sample Description: J-5
Matrix: Solid
Sample Date/Time: 03/27/12 0820
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	77	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.92	0.221	mg/kg dry	9.52	M4	2C28053	03/29/12 0034	SPS	R-01
Lead	**60.2**	1.74	0.42	mg/kg dry	9.52	M4	2C28053	03/29/12 0034	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: J-4
Sample Date/Time: 03/27/12 0824

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**62**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.22	0.221	mg/kg dry	10.20	M4	2C28053	03/29/12 0042	SPS	R-01
Lead	**61.9**	2.30	0.42	mg/kg dry	10.20	M4	2C28053	03/29/12 0042	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: J-3
Sample Date/Time: 03/27/12 1014

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.90	0.221	mg/kg dry	10.00	M4	2C28053	03/29/12 0049	SPS	R-01
Lead	**23.3**	1.71	0.42	mg/kg dry	10.00	M4	2C28053	03/29/12 0049	SPS	R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: I-4
Sample Date/Time: 03/27/12 1027

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**56**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**47.5**	1.34	0.221	mg/kg dry	10.20	M4	2C28053	03/29/12 0056	SPS	R-01
Lead	**121**	2.53	0.42	mg/kg dry	10.20	M4	2C28053	03/29/12 0056	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-18
Sample Type: Grab
Sample Description: I-5
Matrix: Solid
Sample Date/Time: 03/27/12 1036
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**69**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.53**	1.13	0.221	mg/kg dry	10.53	M4	2C28053	03/29/12 1303	SPS	R-01, J
Lead	**131**	2.14	0.42	mg/kg dry	10.53	M4	2C28053	03/29/12 1303	SPS	R-01

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Report of Sample Analysis

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: I-3
Sample Date/Time: 03/27/12 1045

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.96	0.221	mg/kg dry	10.42	M4	2C28053	03/29/12 1310	SPS	R-01
Lead	**73.8**	1.82	0.42	mg/kg dry	10.42	M4	2C28053	03/29/12 1310	SPS	R-01

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Report of Sample Analysis

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-20
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: J-2
Sample Date/Time: 03/27/12 1053

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C28053	03/28/12 0848	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.90	0.221	mg/kg dry	20.83	M4	2C28053	03/29/12 1352	SPS	R-01
Lead	**21.1**	3.60	0.42	mg/kg dry	20.83	M4	2C28053	03/29/12 1352	SPS	R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-21
Sample Type: Grab
Sample Description: H-4
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Date/Time: 03/27/12 1107

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**70**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27057	03/27/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.05	0.221	mg/kg dry	10.00	M4	2C27057	03/28/12 2035	SPS	R-01
Lead	**120**	1.99	0.42	mg/kg dry	10.00	M4	2C27057	03/28/12 2035	SPS	R-01

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Report of Sample Analysis

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Laboratory ID #: 1203719-22
Sample Type: Grab
Sample Description: H-3
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Date/Time: 03/27/12 1117

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**71**	0.040	0.2	%	1.00	W3	2C28072	03/28/12 1433	BLF/A	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C27057	03/27/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.06**	1.05	0.221	mg/kg dry	10.00	M4	2C27057	03/28/12 2043	SPS	J, R-01
Lead	**154**	1.98	0.42	mg/kg dry	10.00	M4	2C27057	03/28/12 2043	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C28071-BLK1)										
Prepared & Analyzed: 03/28/12 14:31										
% Solids	**ND**	0.040	%							
Duplicate (2C28071-DUP1)										
Prepared & Analyzed: 03/28/12 14:31					**Source: 1203719-01**					
% Solids	**80**	0.040	%		80			0.4	7	
Duplicate (2C28071-DUP2)										
Prepared & Analyzed: 03/28/12 14:31					**Source: 1203719-11**					
% Solids	**77**	0.040	%		74			4	7	
Blank (2C28072-BLK1)										
Prepared & Analyzed: 03/28/12 14:33										
% Solids	**ND**	0.040	%							
Duplicate (2C28072-DUP1)										
Prepared & Analyzed: 03/28/12 14:33					**Source: 1203719-12**					
% Solids	**77**	0.040	%		77			0.1	7	
Duplicate (2C28072-DUP2)										
Prepared & Analyzed: 03/28/12 14:33					**Source: 1203719-22**					
% Solids	**70**	0.040	%		71			0.1	7	

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C27057-BLK1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C27057-BS1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**23.4**	0.07	mg/kg wet	25.0		93	80-120			
Lead	**23.1**	0.14	mg/kg wet	25.0		92	80-120			
Laboratory Control Sample Duplicate (2C27057-BSD1) Prepared & Analyzed: 03/27/12 10:12										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**23.5**	0.07	mg/kg wet	25.0		94	80-120	0.4	20	
Lead	**23.0**	0.14	mg/kg wet	25.0		92	80-120	0.3	20	
Matrix Spike (2C27057-MS1) Prepared & Analyzed: 03/27/12 10:12					**Source: 1203670-14**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**32.7**	0.98	mg/kg dry	33.1	0.97	96	75-125			R-01
Lead	**182**	1.85	mg/kg dry	33.1	137	136	75-125			Q-02, R-01
Matrix Spike Duplicate (2C27057-MSD1) Prepared & Analyzed: 03/27/12 10:12					**Source: 1203670-14**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**33.2**	0.98	mg/kg dry	33.1	0.97	97	75-125	2	20	R-01
Lead	**162**	1.85	mg/kg dry	33.1	137	76	75-125	12	20	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C28053-BLK1) Prepared & Analyzed: 03/28/12 08:48										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C28053-BS1) Prepared & Analyzed: 03/28/12 08:48										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**25.2**	0.07	mg/kg wet	25.0		101	80-120			
Lead	**24.9**	0.14	mg/kg wet	25.0		100	80-120			
Laboratory Control Sample Duplicate (2C28053-BSD1) Prepared & Analyzed: 03/28/12 08:48										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**25.7**	0.07	mg/kg wet	25.0		103	80-120	2	20	
Lead	**25.5**	0.14	mg/kg wet	25.0		102	80-120	2	20	
Matrix Spike (2C28053-MS1) Prepared & Analyzed: 03/28/12 08:48					**Source: 1203719-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**34.0**	0.97	mg/kg dry	32.7	ND	104	75-125			R-01
Lead	**211**	1.83	mg/kg dry	32.7	173	117	75-125			R-01
Matrix Spike (2C28053-MS2) Prepared & Analyzed: 03/28/12 08:48					**Source: 1203719-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**34.9**	1.02	mg/kg dry	34.3	ND	102	75-125			R-01
Lead	**93.3**	1.92	mg/kg dry	34.3	57.7	104	75-125			R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2C28053-MSD1) Prepared & Analyzed: 03/28/12 08:48					**Source: 1203719-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**32.8**	0.95	mg/kg dry	32.0	ND	102	75-125	4	20	R-01
Lead	**197**	1.79	mg/kg dry	32.0	173	75	75-125	7	20	R-01
Matrix Spike Duplicate (2C28053-MSD2) Prepared & Analyzed: 03/28/12 08:48					**Source: 1203719-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**35.1**	1.00	mg/kg dry	33.6	ND	104	75-125	0.7	20	R-01
Lead	**88.0**	1.88	mg/kg dry	33.6	57.7	90	75-125	6	20	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/29/12 16:13

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

J	This value is above the method detection limit but below the reporting limit.
Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1203719 consists of:

- [x] This signature page, the laboratory review checklist, and the following reportable data:
- [x] **R1** Field chain-of-custody documentation;
- [x] **R2** Sample identification cross-reference;
- [x] **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- [x] **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- [x] **R5** Test reports/summary forms for blank samples;
- [x] **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- [x] **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- [x] **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- [x] **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- [x] **R10** Other problems or anomalies.
- [x] The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	03/29/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**03/29/12**
Project Name:	**Exide SS**	Laboratory Job Number:	**1203719**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2C27057,2C28053,2C28071,2C28072**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS)**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PACE Analytical Services, Inc.

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/29/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203719**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2C27057,2C28053,2C28071,2C28072**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/29/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203719**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2C27057,2C28053,2C28071,2C28072**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (3%) was outside acceptance limits (75-125) in 2C27057-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 2

1517067

Section A Required Client Information:

Company:	PBW, LLC
Address:	2201 Double Creek Dr Ste 4004
Email To:	chris.moore@pbwllc.com
Phone:	512-671-3434
Fax:	512-671-3446
Requested Due Date/TAT:	48hr

Section B Required Project Information:

Report To:	Chris Moore
Copy To:	jen.bush@pbwllc.com
Purchase Order No.:	
Project Name:	Exide SS
Project Number:	1775

Section C Invoice Information:

Attention:	Chris Moore
Company Name:	Same
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

Matrix Codes MATRIX / CODE

Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Tissue	TS
Other	OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Tot. Pb + Cd 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	I-8 L-9	SL	G	3/26/12	1631				1	X									X		1203719.01
2	L-10				1643				1												1203719.02
3	K-10				1650				1												1203719.03
4	L-6				1713				1												1203719.04
5	L-7				1718				1												1203719.05
6	K-6				1723				1												1203719.06
7	K-7				1729				1												1203719.07
8	K-8				1753				1												1203719.08
9	K-9				1759				1												1203719.09
10	I-6			3/27/12	0737				1												1203719.10
11	I-7				0743				1												1203719.11
12	J-7				0748				1												1203719.12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] PBW	3/27/12	1130	Robert Scott Falcon	3-27-12	11:30				
	Robert Scott Falcon	3-27-12	12:00	[signature]	3.27.12	12:00	1.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/27/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1517068

Section A Required Client Information:

Company:	PBW, LLC
Address:	2201 Double Creek Dr Ste 4004
Email To:	chris.moore@pbwllc.com
Phone:	512-671-3434
Fax:	512-671-3496
Requested Due Date/TAT:	48 hr

Section B Required Project Information:

Report To:	Chris Moore
Copy To:	jon.bush@pbwllc.com
Purchase Order No.:	
Project Name:	Excle SS
Project Number:	1775

Section C Invoice Information:

Attention:	Chris Moore
Company Name:	Same
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Cr + Pb 6010B Cadmium + Lead	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	H-6	SL	G	3/27/12	0758				1	X								Y	X		12037198
2	H-5				0820				1	X								Y	X		12037199
3	H-4				0824				1	X								Y	X		12037199-15
4	H-3				1014				1	X								Y	X		12037199-16
5	H-4				1027				1	X								Y	X		12037199-17
6	H-5				1036				1	X								Y	X		12037199-18
7	H-3				1045				1	X								Y	X		12037199-19
8	H-2				1053				1	X								Y	X		12037199-20
9	H-4				1107				1	X								Y	X		12037199-21
10	H-3				1117				1	X								Y	X		12037199-22
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	PBW	3/27/12	1130	Robert Scott	3-27-12	11:30				
	Robert Scott Falcon	3-27-12	12:00	Laura Caudill	3-27-12	12:00	1.4	Y	N	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/27/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1203719

Falcon X-Press
We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	Pastor	DATE 3-27-12
	ADDRESS	7471 S. 5th Street	SUITE
	CITY	Frisco, TX	
	REFERENCE NO.		
CONSIGNEE	NAME	PACE	
	ADDRESS	400 W Bethany	SUITE 190
	CITY	Allen, TX	
	ATTN:		

Falcon Charges	Type of Delivery
☐ PREPAID	☐ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
2	Coolers		WEIGHT CHARGE	
28	bottles		WAITING TIME CHG	
			DELIVERY CHARGE	
			TOTAL CHARGES	

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Johnny Scott		11:30 / 12:00	x Karen Carlson	x

received @ PACE
UNC 3.27.12 12:00

Lab Number(s): 1202719

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	2	402	Cool Note: please check if collected in pre-weighed vials_____	9/use	

Metals Preserved By Login □yes □no Trip Blanks Received □yes □no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 3.22.12 Date 1455 Time

1000.0-3.2 2/17/09

kdy 7/10/08

G:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203765-01	H-5	Solid	03/27/12 12:50	03/28/12 13:39
1203765-02	G-5	Solid	03/27/12 12:54	03/28/12 13:39
1203765-03	G-6	Solid	03/27/12 12:59	03/28/12 13:39
1203765-04	G-4	Solid	03/27/12 13:20	03/28/12 13:39
1203765-05	F-4	Solid	03/27/12 13:25	03/28/12 13:39
1203765-06	F-5	Solid	03/27/12 13:29	03/28/12 13:39
1203765-07	F-7	Solid	03/27/12 14:22	03/28/12 13:39
1203765-08	E-6	Solid	03/27/12 14:25	03/28/12 13:39
1203765-09	E-7	Solid	03/27/12 14:32	03/28/12 13:39
1203765-10	E-8	Solid	03/27/12 14:36	03/28/12 13:39
1203765-11	D-5	Solid	03/27/12 14:59	03/28/12 13:39
1203765-12	D-6	Solid	03/27/12 15:04	03/28/12 13:39
1203765-13	C-5	Solid	03/27/12 15:08	03/28/12 13:39
1203765-14	C-6	Solid	03/27/12 15:13	03/28/12 13:39
1203765-15	D-7	Solid	03/27/12 15:35	03/28/12 13:39
1203765-16	D-8	Solid	03/27/12 15:39	03/28/12 13:39
1203765-17	C-7	Solid	03/27/12 15:44	03/28/12 13:39
1203765-18	C-8	Solid	03/27/12 15:49	03/28/12 13:39
1203765-19	D-9	Solid	03/27/12 16:15	03/28/12 13:39

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203765-20	D-10	Solid	03/27/12 16:19	03/28/12 13:39
1203765-21	E-9	Solid	03/27/12 16:25	03/28/12 13:39
1203765-22	E-10	Solid	03/27/12 16:30	03/28/12 13:39
1203765-23	C-9	Solid	03/27/12 16:51	03/28/12 13:39
1203765-24	B-8	Solid	03/27/12 16:54	03/28/12 13:39
1203765-25	B-9	Solid	03/27/12 17:00	03/28/12 13:39
1203765-26	A-8	Solid	03/27/12 17:06	03/28/12 13:39
1203765-27	B-6	Solid	03/27/12 17:30	03/28/12 13:39
1203765-28	B-7	Solid	03/27/12 17:35	03/28/12 13:39
1203765-29	A-6	Solid	03/27/12 17:40	03/28/12 13:39
1203765-30	A-7	Solid	03/27/12 17:45	03/28/12 13:39
1203765-31	D-11	Solid	03/28/12 07:49	03/28/12 13:39
1203765-32	D-12	Solid	03/28/12 07:55	03/28/12 13:39
1203765-33	D-13	Solid	03/28/12 08:05	03/28/12 13:39
1203765-34	D-14	Solid	03/28/12 08:23	03/28/12 13:39
1203765-35	D-15	Solid	03/28/12 08:30	03/28/12 13:39
1203765-36	E-11	Solid	03/28/12 08:48	03/28/12 13:39
1203765-37	E-12	Solid	03/28/12 08:51	03/28/12 13:39
1203765-38	E-13	Solid	03/28/12 09:23	03/28/12 13:39
1203765-39	E-14	Solid	03/28/12 09:27	03/28/12 13:39
1203765-40	E-15	Solid	03/28/12 09:32	03/28/12 13:39
1203765-41	O-17	Solid	03/28/12 10:06	03/28/12 13:39
1203765-42	O-15	Solid	03/28/12 10:09	03/28/12 13:39
1203765-43	O-13	Solid	03/28/12 10:23	03/28/12 13:39
1203765-44	Q-13	Solid	03/28/12 10:28	03/28/12 13:39
1203765-45	Q-15	Solid	03/28/12 10:50	03/28/12 13:39
1203765-46	Q-11	Solid	03/28/12 10:55	03/28/12 13:39

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203765-47	Q-9	Solid	03/28/12 11:00	03/28/12 13:39

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: H-5
Sample Date/Time: 03/27/12 1250

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**71**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.54**	1.08	0.221	mg/kg dry	10.42	M4	2C28079	03/29/12 1418	SPS	R-01, J
Lead	**147**	2.05	0.42	mg/kg dry	10.42	M4	2C28079	03/29/12 1418	SPS	Q-21, R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: G-5
Sample Date/Time: 03/27/12 1254

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**66**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.61**	1.14	0.221	mg/kg dry	10.10	M4	2C28079	03/29/12 1513	SPS	J, R-01
Lead	**273**	2.15	0.42	mg/kg dry	10.10	M4	2C28079	03/29/12 1513	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-03
Sample Type: Grab
Sample Description: G-6
Matrix: Solid
Sample Date/Time: 03/27/12 1259
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**67**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.96**	1.16	0.221	mg/kg dry	10.53	M4	2C28079	03/29/12 1520	SPS	J, R-01
Lead	**268**	2.20	0.42	mg/kg dry	10.53	M4	2C28079	03/29/12 1520	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: G-4
Sample Date/Time: 03/27/12 1320

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**62**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.17**	1.19	0.221	mg/kg dry	9.90	M4	2C28079	03/29/12 1527	SPS	J, R-01
Lead	**222**	2.25	0.42	mg/kg dry	9.90	M4	2C28079	03/29/12 1527	SPS	R-01

MC 7
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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: F-4
Sample Date/Time: 03/27/12 1325

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.51**	1.03	0.221	mg/kg dry	10.31	M4	2C28079	03/29/12 1534	SPS	R-01, J
Lead	**255**	1.95	0.42	mg/kg dry	10.31	M4	2C28079	03/29/12 1534	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: F-5
Sample Date/Time: 03/27/12 1329

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.51**	1.02	0.221	mg/kg dry	10.20	M4	2C28079	03/29/12 1542	SPS	R-01
Lead	**367**	1.93	0.42	mg/kg dry	10.20	M4	2C28079	03/29/12 1542	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: F-7
Sample Date/Time: 03/27/12 1422

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.97	0.221	mg/kg dry	19.05	M4	2C28079	03/29/12 1807	SPS	R-01
Lead	**103**	3.72	0.42	mg/kg dry	19.05	M4	2C28079	03/29/12 1807	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-6
Sample Date/Time: 03/27/12 1425

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.93**	1.02	0.221	mg/kg dry	9.90	M4	2C28079	03/29/12 1622	SPS	R-01, J
Lead	**188**	1.93	0.42	mg/kg dry	9.90	M4	2C28079	03/29/12 1622	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-7
Sample Date/Time: 03/27/12 1432

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.92**	0.98	0.221	mg/kg dry	10.00	M4	2C28079	03/29/12 1629	SPS	R-01, J
Lead	**198**	1.86	0.42	mg/kg dry	10.00	M4	2C28079	03/29/12 1629	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-8
Sample Date/Time: 03/27/12 1436

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.35**	1.00	0.221	mg/kg dry	10.10	M4	2C28079	03/29/12 1637	SPS	R-01, J
Lead	**294**	1.88	0.42	mg/kg dry	10.10	M4	2C28079	03/29/12 1637	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: D-5
Sample Date/Time: 03/27/12 1459

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.03**	1.02	0.221	mg/kg dry	9.90	M4	2C28079	03/29/12 1549	SPS	R-01, J
Lead	**123**	1.93	0.42	mg/kg dry	9.90	M4	2C28079	03/29/12 1549	SPS	Q-21, R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-6
Sample Date/Time: 03/27/12 1504

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.46**	1.03	0.221	mg/kg dry	10.31	M4	2C28079	03/29/12 1644	SPS	R-01, J
Lead	**132**	1.95	0.42	mg/kg dry	10.31	M4	2C28079	03/29/12 1644	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-5
Sample Date/Time: 03/27/12 1508

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	10.53	M4	2C28079	03/29/12 1651	SPS	R-01
Lead	**72.4**	1.78	0.42	mg/kg dry	10.53	M4	2C28079	03/29/12 1651	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-6
Sample Date/Time: 03/27/12 1513

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	10.31	M4	2C28079	03/29/12 1658	SPS	R-01
Lead	**46.8**	1.78	0.42	mg/kg dry	10.31	M4	2C28079	03/29/12 1658	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-7
Sample Date/Time: 03/27/12 1535

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.38**	1.07	0.221	mg/kg dry	10.42	M4	2C28079	03/29/12 1705	SPS	R-01, J
Lead	**139**	2.03	0.42	mg/kg dry	10.42	M4	2C28079	03/29/12 1705	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-8
Sample Date/Time: 03/27/12 1539

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**71**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.45**	1.10	0.221	mg/kg dry	10.53	M4	2C28079	03/29/12 1712	SPS	R-01, J
Lead	**308**	2.08	0.42	mg/kg dry	10.53	M4	2C28079	03/29/12 1712	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-7
Sample Date/Time: 03/27/12 1544

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.46**	0.98	0.221	mg/kg dry	9.62	M4	2C28079	03/29/12 1719	SPS	R-01, J
Lead	**158**	1.86	0.42	mg/kg dry	9.62	M4	2C28079	03/29/12 1719	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-8
Sample Date/Time: 03/27/12 1549

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.48**	0.95	0.221	mg/kg dry	9.71	M4	2C28079	03/29/12 1745	SPS	R-01, J
Lead	**194**	1.80	0.42	mg/kg dry	9.71	M4	2C28079	03/29/12 1745	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-9
Sample Date/Time: 03/27/12 1615

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.34**	1.01	0.221	mg/kg dry	10.00	M4	2C28079	03/29/12 1752	SPS	R-01
Lead	**498**	1.91	0.42	mg/kg dry	10.00	M4	2C28079	03/29/12 1752	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-20
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: D-10
Sample Date/Time: 03/27/12 1619

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C29020	03/29/12 1000	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2C28079	03/28/12 1750	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.69**	0.97	0.221	mg/kg dry	10.31	M4	2C28079	03/29/12 1800	SPS	R-01
Lead	**629**	1.84	0.42	mg/kg dry	10.31	M4	2C28079	03/29/12 1800	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-21
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-9
Sample Date/Time: 03/27/12 1625

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.61**	1.03	0.221	mg/kg dry	10.53	M4	2C29017	03/29/12 1814	SPS	R-01
Lead	**566**	1.94	0.42	mg/kg dry	10.53	M4	2C29017	03/29/12 1814	SPS	Q-20, R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-22
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-10
Sample Date/Time: 03/27/12 1630

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.22**	0.93	0.221	mg/kg dry	10.00	M4	2C29017	03/29/12 1821	SPS	R-01
Lead	**528**	1.77	0.42	mg/kg dry	10.00	M4	2C29017	03/29/12 1821	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-23
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-9
Sample Date/Time: 03/27/12 1651

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.12**	0.95	0.221	mg/kg dry	9.62	M4	2C29017	03/29/12 1828	SPS	R-01, J
Lead	**309**	1.79	0.42	mg/kg dry	9.62	M4	2C29017	03/29/12 1828	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-24
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: B-8
Sample Date/Time: 03/27/12 1654

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.00**	1.02	0.221	mg/kg dry	10.42	M4	2C29017	03/29/12 1835	SPS	R-01, J
Lead	**230**	1.93	0.42	mg/kg dry	10.42	M4	2C29017	03/29/12 1835	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-25
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: B-9
Sample Date/Time: 03/27/12 1700

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	9.90	M4	2C29017	03/29/12 1842	SPS	R-01
Lead	**146**	1.79	0.42	mg/kg dry	9.90	M4	2C29017	03/29/12 1842	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-26
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: A-8
Sample Date/Time: 03/27/12 1706

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.91	0.221	mg/kg dry	10.31	M4	2C29017	03/29/12 1849	SPS	R-01
Lead	**62.4**	1.73	0.42	mg/kg dry	10.31	M4	2C29017	03/29/12 1849	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-27
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: B-6
Sample Date/Time: 03/27/12 1730

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.32**	1.03	0.221	mg/kg dry	10.53	M4	2C29017	03/29/12 2010	SPS	R-01, J
Lead	**156**	1.95	0.42	mg/kg dry	10.53	M4	2C29017	03/29/12 2010	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-28
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: B-7
Sample Date/Time: 03/27/12 1735

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.42**	0.91	0.221	mg/kg dry	9.52	M4	2C29017	03/29/12 2017	SPS	R-01, J
Lead	**183**	1.72	0.42	mg/kg dry	9.52	M4	2C29017	03/29/12 2017	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-29
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: A-6
Sample Date/Time: 03/27/12 1740

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.98	0.221	mg/kg dry	10.10	M4	2C29017	03/29/12 2043	SPS	R-01
Lead	**49.5**	1.75	0.42	mg/kg dry	10.10	M4	2C29017	03/29/12 2043	SPS	R-01

7167
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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-30
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: A-7
Sample Date/Time: 03/27/12 1745

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.97	0.221	mg/kg dry	10.53	M4	2C29017	03/29/12 2051	SPS	R-01
Lead	**29.7**	1.84	0.42	mg/kg dry	10.53	M4	2C29017	03/29/12 2051	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-31
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: D-11
Sample Date/Time: 03/28/12 0749

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.62**	1.01	0.221	mg/kg dry	10.10	M4	2C29017	03/29/12 2003	SPS	R-01
Lead	**524**	1.91	0.42	mg/kg dry	10.10	M4	2C29017	03/29/12 2003	SPS	Q-21, R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-32
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: D-12
Sample Date/Time: 03/28/12 0755

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**3.71**	0.98	0.221	mg/kg dry	9.52	M4	2C29017	03/29/12 2102	SPS	R-01
Lead	**522**	1.85	0.42	mg/kg dry	9.52	M4	2C29017	03/29/12 2102	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-33
Sample Type: Grab
Sample Description: D-13
Matrix: Solid
Sample Date/Time: 03/28/12 0805
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**2.98**	0.98	0.221	mg/kg dry	10.10	M4	2C29017	03/29/12 2109	SPS	R-01
Lead	**434**	1.86	0.42	mg/kg dry	10.10	M4	2C29017	03/29/12 2109	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-34
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: D-14
Sample Date/Time: 03/28/12 0823

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.44**	0.97	0.221	mg/kg dry	9.90	M4	2C29017	03/29/12 2116	SPS	R-01, J
Lead	**204**	1.83	0.42	mg/kg dry	9.90	M4	2C29017	03/29/12 2116	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-35
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: D-15
Sample Date/Time: 03/28/12 0830

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.61**	0.99	0.221	mg/kg dry	10.42	M4	2C29017	03/29/12 2124	SPS	R-01, J
Lead	**245**	1.88	0.42	mg/kg dry	10.42	M4	2C29017	03/29/12 2124	SPS	R-01

7167
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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-36
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-11
Sample Date/Time: 03/28/12 0848

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**17.8**	0.98	0.221	mg/kg dry	9.62	M4	2C29017	03/29/12 2131	SPS	R-01
Lead	**2920**	1.85	0.42	mg/kg dry	9.62	M4	2C29017	03/29/12 2131	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-37
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-12
Sample Date/Time: 03/28/12 0851

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**18.3**	1.04	0.221	mg/kg dry	10.10	M4	2C29017	03/29/12 2138	SPS	R-01
Lead	**2610**	1.96	0.42	mg/kg dry	10.10	M4	2C29017	03/29/12 2138	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-38
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-13
Sample Date/Time: 03/28/12 0923

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**10.1**	1.00	0.221	mg/kg dry	9.80	M4	2C29017	03/29/12 2145	SPS	R-01
Lead	**1850**	1.89	0.42	mg/kg dry	9.80	M4	2C29017	03/29/12 2145	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-39
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-14
Sample Date/Time: 03/28/12 0927

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**70**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**5.64**	1.08	0.221	mg/kg dry	10.20	M4	2C29017	03/29/12 2152	SPS	R-01
Lead	**1090**	2.05	0.42	mg/kg dry	10.20	M4	2C29017	03/29/12 2152	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-40
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: E-15
Sample Date/Time: 03/28/12 0932

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**69**	0.040	0.2	%	1.00	W3	2C29030	03/29/12 1522	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C29017	03/29/12 1040	RLC	
Metals (Total), EPA 6010B										
Cadmium	**4.34**	1.02	0.221	mg/kg dry	9.52	M4	2C29017	03/29/12 2304	SPS	R-01
Lead	**893**	1.93	0.42	mg/kg dry	9.52	M4	2C29017	03/29/12 2304	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-41
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: O-17
Sample Date/Time: 03/28/12 1006

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**89**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.66	0.221	mg/kg dry	20.00	M4	2C29016	03/29/12 2351	SPS	R-01
Lead	**47.0**	3.14	0.42	mg/kg dry	20.00	M4	2C29016	03/29/12 2351	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-42
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: O-15
Sample Date/Time: 03/28/12 1009

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**28.6**	1.74	0.221	mg/kg dry	20.20	M4	2C29016	03/29/12 2357	SPS	R-01
Lead	**5180**	3.29	0.42	mg/kg dry	20.20	M4	2C29016	03/29/12 2357	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-43
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: O-13
Sample Date/Time: 03/28/12 1023

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.83	0.221	mg/kg dry	20.41	M4	2C29016	03/30/12 0004	SPS	R-01
Lead	**127**	3.46	0.42	mg/kg dry	20.41	M4	2C29016	03/30/12 0004	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-44
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: Q-13
Sample Date/Time: 03/28/12 1028

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**89**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**0.86**	0.80	0.221	mg/kg dry	9.52	M4	2C29016	03/30/12 0011	SPS	R-01, J
Lead	**95.1**	1.50	0.42	mg/kg dry	9.52	M4	2C29016	03/30/12 0011	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-45
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: Q-15
Sample Date/Time: 03/28/12 1050

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.95	0.221	mg/kg dry	10.00	M4	2C29016	03/30/12 0018	SPS	R-01
Lead	**101**	1.79	0.42	mg/kg dry	10.00	M4	2C29016	03/30/12 0018	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-46
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: Q-11
Sample Date/Time: 03/28/12 1055

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.01**	1.00	0.221	mg/kg dry	10.00	M4	2C29016	03/30/12 0025	SPS	R-01, J
Lead	**87.2**	1.88	0.42	mg/kg dry	10.00	M4	2C29016	03/30/12 0025	SPS	R-01

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Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Laboratory ID #: 1203765-47
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: Q-9
Sample Date/Time: 03/28/12 1100

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C29031	03/29/12 1523	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29016	03/29/12 1037	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.99	0.221	mg/kg dry	10.53	M4	2C29016	03/30/12 0033	SPS	R-01
Lead	**24.4**	1.88	0.42	mg/kg dry	10.53	M4	2C29016	03/30/12 0033	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C29020-BLK1)										
Prepared & Analyzed: 03/29/12 10:00										
% Solids	**ND**	0.040	%							
Duplicate (2C29020-DUP1)										
Prepared & Analyzed: 03/29/12 10:00					**Source: 1203765-01**					
% Solids	**70**	0.040	%		71			2	7	
Duplicate (2C29020-DUP2)										
Prepared & Analyzed: 03/29/12 10:00					**Source: 1203765-11**					
% Solids	**74**	0.040	%		72			2	7	
Blank (2C29030-BLK1)										
Prepared & Analyzed: 03/29/12 15:22										
% Solids	**ND**	0.040	%							
Duplicate (2C29030-DUP1)										
Prepared & Analyzed: 03/29/12 15:22					**Source: 1203765-21**					
% Solids	**76**	0.040	%		76			0.1	7	
Duplicate (2C29030-DUP2)										
Prepared & Analyzed: 03/29/12 15:22					**Source: 1203765-32**					
% Solids	**70**	0.040	%		72			3	7	
Blank (2C29031-BLK1)										
Prepared & Analyzed: 03/29/12 15:23										
% Solids	**ND**	0.040	%							

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Duplicate (2C29031-DUP1)					**Source: 1203765-41**					
Prepared & Analyzed: 03/29/12 15:23										
% Solids	**88**	0.040	%		89			1	7	
Duplicate (2C29031-DUP2)					**Source: 1203794-01**					
Prepared & Analyzed: 03/29/12 15:23										
% Solids	**76**	0.040	%		74			3	7	

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C28079-BLK1) Prepared & Analyzed: 03/28/12 17:50										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C28079-BS1) Prepared & Analyzed: 03/28/12 17:50										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**24.3**	0.07	mg/kg wet	25.0		97	80-120			
Lead	**24.0**	0.14	mg/kg wet	25.0		96	80-120			
Laboratory Control Sample Duplicate (2C28079-BSD1) Prepared & Analyzed: 03/28/12 17:50										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**24.6**	0.07	mg/kg wet	25.0		98	80-120	0.9	20	
Lead	**24.3**	0.14	mg/kg wet	25.0		97	80-120	1	20	
Matrix Spike (2C28079-MS1) Prepared & Analyzed: 03/28/12 17:50					**Source: 1203765-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**37.3**	0.99	mg/kg dry	33.4	1.54	107	75-125			R-01
Lead	**183**	1.87	mg/kg dry	33.4	147	107	75-125			R-01 NA
Matrix Spike (2C28079-MS2) Prepared & Analyzed: 03/28/12 17:50					**Source: 1203765-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**35.1**	0.99	mg/kg dry	33.4	1.03	102	75-125			R-01
Lead	**165**	1.87	mg/kg dry	33.4	123	125	75-125			R-01 NA

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2C28079-MSD1) Prepared & Analyzed: 03/28/12 17:50					**Source: 1203765-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**33.1**	1.05	mg/kg dry	35.5	1.54	89	75-125	12	20	R-01
Lead	**163**	1.99	mg/kg dry	35.5	147	45	75-125	11	20	Q-02, R-01
Matrix Spike Duplicate (2C28079-MSD2) Prepared & Analyzed: 03/28/12 17:50					**Source: 1203765-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**34.9**	1.00	mg/kg dry	33.7	1.03	100	75-125	0.6	20	R-01
Lead	**146**	1.89	mg/kg dry	33.7	123	71	75-125	12	20	Q-02, R-01
Blank (2C29016-BLK1) Prepared & Analyzed: 03/29/12 10:37										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C29016-BS1) Prepared & Analyzed: 03/29/12 10:37										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**24.9**	0.07	mg/kg wet	25.0		100	80-120			
Lead	**24.9**	0.14	mg/kg wet	25.0		100	80-120			
Laboratory Control Sample Duplicate (2C29016-BSD1) Prepared & Analyzed: 03/29/12 10:37										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**24.9**	0.07	mg/kg wet	25.0		99	80-120	0.3	20	
Lead	**24.7**	0.14	mg/kg wet	25.0		99	80-120	0.8	20	

NA

NA

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike (2C29016-MS1) Prepared & Analyzed: 03/29/12 10:37					**Source: 1203740-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**12.9**	0.72	mg/kg wet	24.3	1.68	46	75-125			Q-02, R-01
Lead	**57.0**	1.36	mg/kg wet	24.3	64.2	-30	75-125			Q-02, R-01
Matrix Spike Duplicate (2C29016-MSD1) Prepared & Analyzed: 03/29/12 10:37					**Source: 1203740-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**18.5**	0.78	mg/kg wet	26.3	1.68	64	75-125	36	20	Q-02, Q-04, R-01
Lead	**344**	1.47	mg/kg wet	26.3	64.2	1060	75-125	143	20	Q-04, R-01, Q-02
Blank (2C29017-BLK1) Prepared & Analyzed: 03/29/12 10:40										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C29017-BS1) Prepared & Analyzed: 03/29/12 10:40										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**25.4**	0.07	mg/kg wet	25.0		102	80-120			
Lead	**25.0**	0.14	mg/kg wet	25.0		100	80-120			
Laboratory Control Sample Duplicate (2C29017-BSD1) Prepared & Analyzed: 03/29/12 10:40										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**24.6**	0.07	mg/kg wet	25.0		98	80-120	3	20	
Lead	**24.0**	0.14	mg/kg wet	25.0		96	80-120	4	20	

NP

NP

NP Not Project Matrix - ECS

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

www.pacelabs.com

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag	
Matrix Spike (2C29017-MS1) Prepared & Analyzed: 03/29/12 10:40					**Source: 1203765-31**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0				
Cadmium	**37.0**	1.05	mg/kg dry	35.6	3.62	94	75-125			R-01	
Lead	**561**	1.99	mg/kg dry	35.6	524	103	75-125			R-01	NA
Matrix Spike (2C29017-MS2) Prepared & Analyzed: 03/29/12 10:40					**Source: 1203765-21**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0				
Cadmium	**35.9**	0.98	mg/kg dry	33.0	3.61	98	75-125			R-01	
Lead	**592**	1.85	mg/kg dry	33.0	566	77	75-125			R-01	NA
Matrix Spike Duplicate (2C29017-MSD1) Prepared & Analyzed: 03/29/12 10:40					**Source: 1203765-31**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0		
Cadmium	**33.7**	0.96	mg/kg dry	32.5	3.62	93	75-125	9	20	R-01	
Lead	**540**	1.82	mg/kg dry	32.5	524	48	75-125	4	20	Q-02, R-01	NA
Matrix Spike Duplicate (2C29017-MSD2) Prepared & Analyzed: 03/29/12 10:40					**Source: 1203765-21**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0		
Cadmium	**33.6**	0.96	mg/kg dry	32.3	3.61	93	75-125	7	20	R-01	
Lead	**608**	1.81	mg/kg dry	32.3	566	129	75-125	3	20	Q-02, R-01	NA

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Report of Sample Analysis

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 03/30/12 12:47

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

J	This value is above the method detection limit but below the reporting limit.
Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-04	The RPD of this analyte between the MS(s) was outside of the acceptable range. The RPD of this same analyte between the LCS(s) was within the acceptable range.
Q-20	The recovery of this analyte in the MS was higher than the acceptable range. This indicates a high bias to the result presented.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1203765 consists of:

- [x] This signature page, the laboratory review checklist, and the following reportable data:
- [x] **R1** Field chain-of-custody documentation;
- [x] **R2** Sample identification cross-reference;
- [x] **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- [x] **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- [x] **R5** Test reports/summary forms for blank samples;
- [x] **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- [x] **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- [x] **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- [x] **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- [x] **R10** Other problems or anomalies.
- [x] The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	03/30/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**03/30/12**
Project Name:	**Exide SS**	Laboratory Job Number:	**1203765**
Reviewer Name:	**Melissa McCullough**	Prep Batch Number(s):	**2C28079,2C29016,2C29017,2C29020,2C29030,2C29031**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	OI	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS)**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?		X			E002
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

PACE Analytical Services, Inc.

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/30/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203765**
Reviewer Name:	**Melissa McCullough**	**Prep Batch Number(s):**	**2C28079,2C29016,2C29017,2C29020,2C 29030,2C29031**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	Initial calibration (ICAL)					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	Initial and continuing calibration verification (ICCV and CCV) and continuing calibration					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	Mass spectral tuning:					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	Internal standards (IS):					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	Dual column confirmation					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	Tentatively identified compounds (TICs):					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	Interference Check Sample (ICS) results:					
		Were percent recoveries within method QC limits?	X				
S9	I	Serial dilutions, post digestion spikes, and method of standard additions					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	Method detection limit (MDL) studies					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	Proficiency test reports:					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	Standards documentation					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	Compound/analyte identification procedures					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	Demonstration of analyst competency (DOC)					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	Laboratory standard operating procedures (SOPs):					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**03/30/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203765**
Reviewer Name:	**Melissa McCullough**	**Prep Batch Number(s):**	**2C28079,2C29016,2C29017,2C29020,2C 29030,2C29031**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (45%) was outside acceptance limits (75-125) in 2C28079-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the source (1203765-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (71%) was outside acceptance limits (75-125) in 2C28079-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the source (1203765-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Cadmium (46%) was outside acceptance limits (75-125) in 2C29016-MS1 for Cd Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-30%) was outside acceptance limits (75-125) in 2C29016-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Cadmium (64%) was outside acceptance limits (75-125) in 2C29016-MSD1 for Cd Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (1060%) was outside acceptance limits (75-125) in 2C29016-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (48%) was outside acceptance limits (75-125) in 2C29017-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the source (1203765-31) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (129%) was outside acceptance limits (75-125) in 2C29017-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the source (1203765-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.
E002	Matrix Spike Duplicate RPD for Cadmium (36%) was above the acceptance limit (20) in 2C29016-MSD1 for Cd Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. The RPD of this same analyte between the LCS(s) was within the acceptable range. Matrix Spike Duplicate RPD for Lead (143%) was above the acceptance limit (20) in 2C29016-MSD1 for Pb Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. The RPD of this same analyte between the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

1517069

Section A Required Client Information:

Company: PBW, LLC
Address: 2201 Double Creek Dr Ste 4004
Email To: chris.moore@pbwllc.com
Phone: 512-671-3434 Fax: 512-671-3446
Requested Due Date/TAT: 24hr/ASAP

Section B Required Project Information:

Report To: Chris Moore
Copy To: jan.bush@pbwllc.com
Purchase Order No.:
Project Name: 1775, Exate SS
Project Number:

Section C Invoice Information:

Attention: Chris Moore
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N): Analysis Test (Y/N)	Total Cr 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	H-5	SL	G	3/27/12	1250				1	X									X		1203765.01
2	G-5				1254				1												1203765.02
3	G-6				1259				1												1203765.03
4	G-4				1320				1												1203765.04
5	F-4				1325				1												1203765.05
6	F-5				1329				1												1203765.06
7	F-7				1422				1												1203765.07
8	E-6				1423				1												1203765.08
9	E-7				1432				1												1203765.09
10	E-8				1436				1												1203765.10
11	D-5				1459				1												1203765.11
12	D-6				1504				1												1203765.12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature] / PBW	3/28/12	1204	Robert Scott Falcon	3-28-12	12:04				
	Robert Scott / Falcon	3-28-12	1:39	Kathy Weems / Pace	3/28/12	1339	1.6*	Y	NA	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/28/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4

1517070

Section A Required Client Information:

Company: PBW, LLC
Address: 2201 Double Creek Dr Ste 4004
Email To: chris.moore@pbwllc.com
Phone: 512-671-3434 Fax: 512-671-3446
Requested Due Date/TAT: 24hr ASAP

Section B Required Project Information:

Report To: Chris Moore
Copy To: jen.bush@pbwllc.com
Purchase Order No.:
Project Name: Exide SS
Project Number: 1775

Section C Invoice Information:

Attention: Chris Moore
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Total Pb TCLP 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	C-5	SL	G	3/27/12	1508				1	X								X	X		1203765.13
2	C-6				1513																1203765.14
3	D-7 D-7				1535																1203765.15
4	D-8				1539																1203765.16
5	C-7				1544																1203765.17
6	C-8				1549																1203765.18
7	D-9				1615																1203765.19
8	D-10				1619																1203765.20
9	E-9				1625																1203765.21
10	E-10				1630																1203765.22
11	C-9				1651																1203765.23
12	B-8				1654																1203765.24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] PBW	3/28/12	1204	[signature] Falcon	3-28-12	1204				
	[signature] Falcon	3-28-12	1:39	Kathy Williams/Pace	3/28/12	1339	1.6c	Y	NA	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/28/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
IR#1			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1517071

Section A Required Client Information:

Company: PBW, LLC
Address: 2201 Double Creek Dr Ste 4004
Email To: chris.moore@pbwllc.com
Phone: 512-671-3434 Fax: 512-671-3446
Requested Due Date/TAT: 24 hr/ASAP

Section B Required Project Information:

Report To: Chris Moore
Copy To: jon.bush@pbwllc.com
Purchase Order No.:
Project Name: Exxon SS
Project Number: 1775

Section C Invoice Information:

Attention: Chris Moore
Company Name: same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY
☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP
Site Location STATE: TX

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Pb, Cr, Cd, Co, Ni, B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	B-9	SL	G	3/27/12	1700				1	X								X	X		1203765.25
2	A-8				1706																1203765.26
3	B-6				1730																1203765.27
4	B-7				1735																1203765.28
5	A-6				1740																1203765.29
6	A-7			↓	1745																1203765.30
7	D-11			3/28/12	0749																1203765.31
8	D-12				0755																1203765.32
9	D-13				0805																1203765.33
10	D-14				0823																1203765.34
11	D-15				0830																1203765.35
12	E-11				0848																1203765.36

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	PBW	3/28/12	1204	Robert Dodd Falcon	3-28-12	1284				
	Robert Dodd Falcon	3-28-12	1359	Kathy Williams/Pace	3/28/12	1339	1.6°	Y	N/A	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Chris Moore
SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/28/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1517072

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 2201 Double Creek Dr Stellbay Round Rock TX 78664	Copy To: jen.bush@pbwllc.com	Company Name: Same
Email To: chris.moore@pbwllc.com	Purchase Order No.:	Address:
Phone: 512-671-3434 Fax: 512-401-3446	Project Name: Exide SS	Pace Quote Reference:
Requested Due Date/TAT: 24hr /ASAP	Project Number: 1775	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Pb+Cd (6010B)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-12	SL	G	3/28/12	0851				1	X									X		1203765937
2	E-13				0923																1203765938
3	E-14				0927																1203765939
4	E-15				0932																1203765940
5	O-17				1006																1203765941
6	O-15				1009																1203765942
7	O-13				1023																1203765943
8	Q-13				1028																1203765944
9	Q-15				1050																1203765945
10	Q-11				1055																1203765946
11	Q-9				1100																1203765947
12																					

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature] / PBW	3/28/12	1204	Robert Scott Falcon	3-28-12	1204				
	Robert Scott Falcon	3-28-12	1:35	Kathy Weems / Pace	3/28/12	1359	1.6C	Y	NA	Y

Temp In °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 3/28/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1203765

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER
NAME Pastor
ADDRESS 7471 S 5th Street SUITE
CITY Frisco TX
REFERENCE NO.

CONSIGNEE
NAME PACE
ADDRESS 400 W Bethany SUITE 195
CITY Allen TX
ATTN:

DATE 3-28-12

Falcon Charges	Type of Delivery
☐ PREPAID	☐ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
1	Cooler		WEIGHT CHARGE	
47	bottles		WAITING TIME CHG	
			DELIVERY CHARGE	
			TOTAL CHARGES	

ING TIME

RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

ER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Gabriel Frost		12:07 / 1:39	X [signature]	X

Lab Number(s): 1202765

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	4	4oz jar	Cool Note: please check if collected in pre-weighed vials_____	Amber glass	

Metals Preserved By Login ☐yes ☐no **Trip Blanks Received** ☐yes ☒no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ MW 3-28-12 (Date) 1605 (Time)

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203828-01	O-11	Solid	03/28/12 12:45	03/29/12 13:18
1203828-02	O-9	Solid	03/28/12 12:48	03/29/12 13:18
1203828-03	Q-8	Solid	03/28/12 13:39	03/29/12 13:18
1203828-04	O-5	Solid	03/28/12 13:43	03/29/12 13:18
1203828-05	O-3	Solid	03/28/12 13:47	03/29/12 13:18
1203828-06	M-5	Solid	03/28/12 14:15	03/29/12 13:18
1203828-07	M-3	Solid	03/28/12 14:19	03/29/12 13:18
1203828-08	M-1	Solid	03/28/12 14:25	03/29/12 13:18
1203828-09	M-7	Solid	03/28/12 14:47	03/29/12 13:18
1203828-10	O-7	Solid	03/28/12 14:50	03/29/12 13:18
1203828-11	K-4	Solid	03/28/12 15:12	03/29/12 13:18
1203828-12	K-2	Solid	03/28/12 15:15	03/29/12 13:18
1203828-13	K-1	Solid	03/28/12 15:19	03/29/12 13:18
1203828-14	B-18	Solid	03/28/12 16:00	03/29/12 13:18
1203828-15	C-18	Solid	03/28/12 16:07	03/29/12 13:18
1203828-16	E-18	Solid	03/28/12 16:20	03/29/12 13:18
1203828-17	E-20	Solid	03/28/12 16:25	03/29/12 13:18
1203828-18	E-22	Solid	03/28/12 16:32	03/29/12 13:18
1203828-19	C-20	Solid	03/28/12 16:48	03/29/12 13:18

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

www.pacelabs.com

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1203828-20	C-22	Solid	03/28/12 16:52	03/29/12 13:18
1203828-21	G-18	Solid	03/28/12 17:02	03/29/12 13:18
1203828-22	G-20	Solid	03/28/12 17:21	03/29/12 13:18
1203828-23	I-18	Solid	03/28/12 17:24	03/29/12 13:18
1203828-24	I-20	Solid	03/28/12 17:27	03/29/12 13:18
1203828-25	M-18	Solid	03/28/12 18:04	03/29/12 13:18
1203828-26	K-18	Solid	03/28/12 18:09	03/29/12 13:18
1203828-27	K-20	Solid	03/28/12 18:13	03/29/12 13:18

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-01
Sample Type: Grab
Sample Description: O-11
Matrix: Solid
Sample Date/Time: 03/28/12 1245
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.07	0.221	mg/kg dry	21.05	M4	2C29035	03/30/12 1822	SPS	R-01
Lead	JL-MS/SD **96.9**	3.91	0.42	mg/kg dry	21.05	M4	2C29035	03/30/12 1822	SPS	Q-21, R-01

ECS

TRC
6-20-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: O-9
Sample Date/Time: 03/28/12 1248

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	10.00	M4	2C29035	03/30/12 1829	SPS	R-01
Lead	**92.2**	1.78	0.42	mg/kg dry	10.00	M4	2C29035	03/30/12 1829	SPS	R-01

NLT
6-20-B

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Pace Analytical™
www.pacelabs.com

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: Q-8
Sample Date/Time: 03/28/12 1339

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.06	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 1836	SPS	R-01
Lead	**97.2**	2.01	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 1836	SPS	R-01

NKJ
6-20-B

Pace Analytical™
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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: O-5
Sample Date/Time: 03/28/12 1343

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.03	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 1902	SPS	R-01
Lead	**61.2**	1.95	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 1902	SPS	R-01

NLC
6-20-12

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-05
Sample Type: Grab
Sample Description: O-3
Matrix: Solid
Sample Date/Time: 03/28/12 1347
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**65**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	2.24	0.221	mg/kg dry	19.61	M4	2C29035	03/31/12 0336	SPS	R-01
Lead	**40.5**	4.23	0.42	mg/kg dry	19.61	M4	2C29035	03/31/12 0336	SPS	R-01

NKJ
6-20-13

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-5
Sample Date/Time: 03/28/12 1415

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.90	0.221	mg/kg dry	10.00	M4	2C29035	03/30/12 1939	SPS	R-01
Lead	**37.8**	1.70	0.42	mg/kg dry	10.00	M4	2C29035	03/30/12 1939	SPS	R-01

NKT
6-20-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-3
Sample Date/Time: 03/28/12 1419

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.98	0.221	mg/kg dry	10.10	M4	2C29035	03/30/12 1947	SPS	R-01
Lead	**27.2**	1.86	0.42	mg/kg dry	10.10	M4	2C29035	03/30/12 1947	SPS	R-01

WKJ
6-26-B

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: M-1
Sample Date/Time: 03/28/12 1425

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.96	0.221	mg/kg dry	10.31	M4	2C29035	03/30/12 1954	SPS	R-01
Lead	**37.5**	1.82	0.42	mg/kg dry	10.31	M4	2C29035	03/30/12 1954	SPS	R-01

JKT
6.20-13

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-09
Sample Type: Grab
Sample Description: M-7
Matrix: Solid
Sample Date/Time: 03/28/12 1447
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.93	0.221	mg/kg dry	10.10	M4	2C29035	03/30/12 2001	SPS	R-01
Lead	**69.4**	1.77	0.42	mg/kg dry	10.10	M4	2C29035	03/30/12 2001	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: O-7
Sample Date/Time: 03/28/12 1450

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.05	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 2008	SPS	R-01
Lead	**74.1**	1.98	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 2008	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: K-4
Sample Date/Time: 03/28/12 1512

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	Q-26
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.89	0.221	mg/kg dry	9.62	M4	2C29035	03/30/12 2034	SPS	R-01
Lead JL-MS/SD	**63.1**	1.68	0.42	mg/kg dry	9.62	M4	2C29035	03/30/12 2034	SPS	Q-21, R-01 ECS

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: K-2
Sample Date/Time: 03/28/12 1515

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**69**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.13	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 2041	SPS	R-01
Lead	**48.4**	2.13	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 2041	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: K-1
Sample Date/Time: 03/28/12 1519

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.95	0.221	mg/kg dry	10.00	M4	2C29035	03/30/12 2048	SPS	R-01
Lead	**38.9**	1.79	0.42	mg/kg dry	10.00	M4	2C29035	03/30/12 2048	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore — Customer
Sample Description: B-18
Sample Date/Time: 03/28/12 1600

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**60**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.29	0.221	mg/kg dry	10.42	M4	2C29035	03/30/12 2055	SPS	R-01
Lead	**90.4**	2.44	0.42	mg/kg dry	10.42	M4	2C29035	03/30/12 2055	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-18
Sample Date/Time: 03/28/12 1607

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**73**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.06	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 2102	SPS	R-01
Lead	**90.7**	2.01	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 2102	SPS	R-01

NF 7
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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-18
Sample Date/Time: 03/28/12 1620

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.02	0.221	mg/kg dry	10.53	M4	2C29035	03/30/12 2109	SPS	R-01
Lead	**61.2**	1.92	0.42	mg/kg dry	10.53	M4	2C29035	03/30/12 2109	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: E-20
Sample Date/Time: 03/28/12 1625

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.78	0.221	mg/kg dry	19.61	M4	2C29035	03/31/12 0502	SPS	R-01
Lead	**64.4**	3.38	0.42	mg/kg dry	19.61	M4	2C29035	03/31/12 0502	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-18
Sample Type: Grab
Sample Description: E-22
Matrix: Solid
Sample Date/Time: 03/28/12 1632
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.83	0.221	mg/kg dry	20.83	M4	2C29035	03/31/12 0509	SPS	R-01
Lead	**20.5**	3.46	0.42	mg/kg dry	20.83	M4	2C29035	03/31/12 0509	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: C-20
Sample Date/Time: 03/28/12 1648

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.97	0.221	mg/kg dry	10.31	M4	2C29035	03/30/12 2130	SPS	R-01
Lead	**45.8**	1.84	0.42	mg/kg dry	10.31	M4	2C29035	03/30/12 2130	SPS	R-01

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-20
Sample Type: Grab
Sample Description: C-22
Matrix: Solid
Sample Date/Time: 03/28/12 1652
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2C30026	03/30/12 1516	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB2	2C29035	03/29/12 1601	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.99	0.221	mg/kg dry	10.00	M4	2C29035	03/30/12 1926	SPS	R-01
Lead	**38.3**	1.86	0.42	mg/kg dry	10.00	M4	2C29035	03/30/12 1926	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-21
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: G-18
Sample Date/Time: 03/28/12 1702

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	10.42	M4	2C29036	03/30/12 2138	SPS	R-01
Lead	**89.7**	1.79	0.42	mg/kg dry	10.42	M4	2C29036	03/30/12 2138	SPS	Q-20, R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-22
Sample Type: Grab
Sample Description: G-20
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Date/Time: 03/28/12 1721

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.74	0.221	mg/kg dry	20.20	M4	2C29036	03/31/12 0529	SPS	R-01
Lead	**37.1**	3.28	0.42	mg/kg dry	20.20	M4	2C29036	03/31/12 0529	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-23
Sample Type: Grab
Matrix: Solid
Sample Collected By: Chris Moore
Customer
Sample Description: I-18
Sample Date/Time: 03/28/12 1724

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**1.26**	0.93	0.221	mg/kg dry	10.20	M4	2C29036	03/30/12 2211	SPS	R-01, J
Lead	**421**	1.76	0.42	mg/kg dry	10.20	M4	2C29036	03/30/12 2211	SPS	R-01

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-24
Sample Type: Grab
Sample Description: I-20
Matrix: Solid
Sample Date/Time: 03/28/12 1727
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.94	0.221	mg/kg dry	10.20	M4	2C29036	03/30/12 2218	SPS	R-01
Lead	**58.5**	1.78	0.42	mg/kg dry	10.20	M4	2C29036	03/30/12 2218	SPS	R-01

NKT
6-20-13

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400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-25
Sample Type: Grab
Sample Description: M-18
Matrix: Solid
Sample Date/Time: 03/28/12 1804
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.76	0.221	mg/kg dry	20.41	M4	2C29036	03/31/12 0550	SPS	R-01
Lead	**77.9**	3.33	0.42	mg/kg dry	20.41	M4	2C29036	03/31/12 0550	SPS	R-01

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6-20-13

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Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-26
Sample Type: Grab
Sample Description: K-18
Matrix: Solid
Sample Date/Time: 03/28/12 1809
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	0.90	0.221	mg/kg dry	9.90	M4	2C29036	03/30/12 2232	SPS	R-01
Lead	**22.2**	1.71	0.42	mg/kg dry	9.90	M4	2C29036	03/30/12 2232	SPS	R-01

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6-20-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Laboratory ID #: 1203828-27
Sample Type: Grab
Sample Description: K-20
Matrix: Solid
Sample Date/Time: 03/28/12 1813
Sample Collected By: Chris Moore
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**71**	0.040	0.2	%	1.00	W3	2C30027	03/30/12 1518	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB2	2C29036	03/29/12 1705	RLC	
Metals (Total), EPA 6010B										
Cadmium	**ND**	1.00	0.221	mg/kg dry	9.62	M4	2C29036	03/31/12 0055	SPS	R-01
Lead	**69.3**	1.89	0.42	mg/kg dry	9.62	M4	2C29036	03/31/12 0055	SPS	R-01

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C30026-BLK1)										
Prepared & Analyzed: 03/30/12 15:16										
% Solids	**ND**	0.040	%							
Duplicate (2C30026-DUP1)										
Prepared & Analyzed: 03/30/12 15:16					**Source: 1203828-11**					
% Solids	**77**	0.040	%		80			4	7	
Duplicate (2C30026-DUP2)										
Prepared & Analyzed: 03/30/12 15:16					**Source: 1203828-01**					
% Solids	**96**	0.040	%		75			24	7	Q-26
Blank (2C30027-BLK1)										
Prepared & Analyzed: 03/30/12 15:18										
% Solids	**ND**	0.040	%							
Duplicate (2C30027-DUP1)										
Prepared & Analyzed: 03/30/12 15:18					**Source: 1203828-21**					
% Solids	**81**	0.040	%		82			0.7	7	
Duplicate (2C30027-DUP2)										
Prepared & Analyzed: 03/30/12 15:18					**Source: 1203746-01**					
% Solids	**3.9**	0.040	%		4.0			3	7	

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2C29035-BLK1) Prepared & Analyzed: 03/29/12 16:01										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.08	mg/kg wet							
Lead	**ND**	0.15	mg/kg wet							
Laboratory Control Sample (2C29035-BS1) Prepared & Analyzed: 03/29/12 16:01										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**24.4**	0.07	mg/kg wet	25.0		98	80-120			
Lead	**24.1**	0.14	mg/kg wet	25.0		97	80-120			
Laboratory Control Sample Duplicate (2C29035-BSD1) Prepared & Analyzed: 03/29/12 16:01										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**24.5**	0.07	mg/kg wet	25.0		98	80-120	0.6	20	
Lead	**24.3**	0.14	mg/kg wet	25.0		97	80-120	0.7	20	
Matrix Spike (2C29035-MS1) Prepared & Analyzed: 03/29/12 16:01					**Source: 1203828-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**34.1**	2.07	mg/kg dry	34.9	ND	98	75-125			R-01
Lead	**117**	3.91	mg/kg dry	34.9	96.9	57	75-125			R-01, Q-02
Matrix Spike (2C29035-MS2) Prepared & Analyzed: 03/29/12 16:01					**Source: 1203828-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**29.9**	0.92	mg/kg dry	31.2	ND	96	75-125			R-01
Lead	**86.9**	1.75	mg/kg dry	31.2	63.1	76	75-125			R-01

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2C29035-MSD1) Prepared & Analyzed: 03/29/12 16:01					**Source: 1203828-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**33.6**	1.96	mg/kg dry	33.2	ND	101	75-125	2	20	R-01
Lead	**133**	3.71	mg/kg dry	33.2	96.9	108	75-125	13	20	R-01
Matrix Spike Duplicate (2C29035-MSD2) Prepared & Analyzed: 03/29/12 16:01					**Source: 1203828-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**25.9**	0.93	mg/kg dry	31.5	ND	82	75-125	14	20	R-01
Lead	**81.0**	1.76	mg/kg dry	31.5	63.1	57	75-125	7	20	Q-02, R-01
Blank (2C29036-BLK1) Prepared & Analyzed: 03/29/12 20:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Cadmium	**ND**	0.07	mg/kg wet							
Lead	**ND**	0.14	mg/kg wet							
Laboratory Control Sample (2C29036-BS1) Prepared & Analyzed: 03/29/12 20:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Cadmium	**26.4**	0.07	mg/kg wet	25.0		106	80-120			
Lead	**26.8**	0.14	mg/kg wet	25.0		107	80-120			
Laboratory Control Sample Duplicate (2C29036-BSD1) Prepared & Analyzed: 03/29/12 20:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Cadmium	**25.6**	0.07	mg/kg wet	25.0		102	80-120	3	20	
Lead	**25.9**	0.14	mg/kg wet	25.0		104	80-120	3	20	

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike (2C29036-MS1) Prepared & Analyzed: 03/29/12 20:42					**Source: 1203828-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Cadmium	**30.1**	1.80	mg/kg dry	30.3	ND	99	75-125			R-01
Lead	**132**	3.40	mg/kg dry	30.3	89.7	140	75-125			Q-02, R-01
Matrix Spike Duplicate (2C29036-MSD1) Prepared & Analyzed: 03/29/12 20:42					**Source: 1203828-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Cadmium	**28.9**	1.80	mg/kg dry	30.3	ND	95	75-125	4	20	R-01
Lead	**127**	3.40	mg/kg dry	30.3	89.7	122	75-125	4	20	R-01

NA

NA

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ATTN: Christopher Moore

Project: Exide SS
Project #: 1775
Print Date/Time: 04/02/12 18:01

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

J	This value is above the method detection limit but below the reporting limit.
Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-20	The recovery of this analyte in the MS was higher than the acceptable range. This indicates a high bias to the result presented.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
Q-26	The RPD between duplicate analyses was outside of the acceptable range. This indicates the result was not as precise as expected.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1203828 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	04/02/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**04/02/12**
Project Name:	**Exide SS**	Laboratory Job Number:	**1203828**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2C29035,2C29036,2C30026,2C30027**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	OI	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			E002
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	**LRC Date:**	04/02/12
Project Name:	Exide SS	**Laboratory Job**	1203828
Reviewer Name:	Leslie Underwood	**Prep Batch Number(s):**	2C29035,2C29036,2C30026,2C30027

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**04/02/12**
Project Name:	**Exide SS**	**Laboratory Job**	**1203828**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2C29035,2C29036,2C30026,2C30027**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (57%) was outside acceptance limits (75-125) in 2C29035-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1203828-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (57%) was outside acceptance limits (75-125) in 2C29035-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1203828-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (140%) was outside acceptance limits (75-125) in 2C29036-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source sample (1203828-21) reported from this batch.The recovery of this analyte in the LCS(s) was within the acceptable range.
E002	Duplicate RPD for % Solids (24%) was above the acceptance limit (7) in 2C30026-DUP2 for Dry Weight 2540G - The RPD between duplicate analyses was outside of the acceptable range. This indicates the result was not as precise as expected for the source sample (1203828-01) reported from this batch.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

1517047

Section A Required Client Information:

Company: PBW LLC
Address: 2201 Double Creek Dr Round Rock TX 78664
Email To: chris.moore@pbwllc.com
Phone: 512-671-3434 Fax: 512-671-3446
Requested Due Date/TAT: 24hr/ASAP

Section B Required Project Information:

Report To: Chris Moore
Copy To: jon.bush@pbwllc.com
Purchase Order No.:
Project Name: Exide SS
Project Number: 1775

Section C Invoice Information:

Attention: Chris Moore
Company Name: Same
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TPRP

Site Location STATE: TX

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	1514 Cd+Pb 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	O-11	S	G	3/29/12	1245				1	X								X	X		1203828-01
2	O-9				1248																1203828-02
3	O-8 Q-8 per Chris mm 3-30-12				1339																1203828-03
4	O-5				1343																1203828-04
5	O-3				1347																1203828-05
6	M-5				1415																1203828-06
7	M-3				1419																1203828-07
8	M-1				1425																1203828-08
9	M-7				1447																1203828-09
10	O-7				1456																1203828-10
11	K-4				1512																1203828-11 mm 3-30-12
12	K-2				1515																1203828-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Chris / PBW	3/29/12	1200	Daylight Scott Falcon	3-29-12	12:00				
	Daylight Scott	3-29-12	1:18	Kathy Williams / Pace	3/29/12	1318	0.4°	Y	NA	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER: Chris Moore
SIGNATURE of SAMPLER: Chris
DATE Signed (MM/DD/YY): 3/29/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

1516666

Section A Required Client Information:

Company:	PBW LLC
Address:	2201 Double Creek Dr Round Rock TX 78664
Email To:	chris.moore@pbwllc.com
Phone: 512-671-3434	Fax: 512-671-3441
Requested Due Date/TAT:	24hr ASAP

Section B Required Project Information:

Report To:	Chris Moore
Copy To:	jca.bush@pbwllc.com
Purchase Order No.:	
Project Name:	Exide SS
Project Number:	1775

Section C Invoice Information:

Attention:	Chris Moore
Company Name:	Same
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: PbTCLP 6010B	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	K-1	SL	G	2/20/12	1519				1	X								X		1203828-13
2	B-18				1600															1203828-14
3	C-18				1607															1203828-15
4	E-18				1620															1203828-16
5	E-20				1625															1203828-17
6	E-22				1632															1203828-18
7	C-20				1648															1203828-19
8	C-22				1652															1203828-20
9	G-18				1702															1203828-21
10	G-20				1721															1203828-22
11	I-18				1724															1203828-23
12	I-20				1727															1203828-24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Chris / PBW	3/29/12	1200	Robert Scott / Falcon	3-29-12	1200				
	Robert Scott / Falcon	3-29-12	1:15	Kathy Williams / Pace	3/29/12	1318	Cool	Y	NA	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 2/20/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
4.0			

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 3 of 3

1516667

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW, LLC	Report To: Chris Moore	Attention: Chris Moore
Address: 2201 Double Creek Dr Round Rock TX 78664	Copy To: Jen Bush jen.bush@pbwllc.com	Company Name: same
Email To: chris.moore@pbwllc.com	Purchase Order No.:	Address:
Phone: 512-671-3434 Fax: 512-671-3446	Project Name: Eagle SS	Pace Quote Reference:
Requested Due Date/TAT:	Project Number: 1775	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☒ OTHER TRRP

Site Location STATE: TX

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: TRRP Pb + Cd Grab	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-18	Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	SL	G	3/28/12	1804				1	X									X		1203828-25
2	K-18		↓	↓	↓	1809				↓	↓									↓		1203828-26
3	K-20		↓	↓	↓	1813				↓	↓									↓		1203828-27
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	CW / PBW	3/27/12	1200	Robert Scott Falcon	3-29-12	13:00				
	Robert Scott Falcon	3-27-12	1:18	Kathy Williamson Pace	3/29/12	1318	04°	Y	NA	Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Chris Moore

SIGNATURE of SAMPLER: CW

DATE Signed (MM/DD/YY): 3/27/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
04°	Y	NA	Y

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1203828

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	Pastor	
	ADDRESS	7471 S. 5th Street	SUITE
	CITY	Frisco, TX	
	REFERENCE NO.		
CONSIGNEE	NAME	PACE	
	ADDRESS	400 W Bethany	SUITE 190
	CITY	Frisco, TX	
	ATTN:		

DATE 3-29-12

Falcon Charges	Type of Delivery
☐ PREPAID	☐ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES
27	boxes		WEIGHT CHARGE
			WAITING TIME CHG
			DELIVERY CHARGE
			TOTAL CHARGES

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE. DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Robert Scott		12:60 / 1:18	X Kathy Coleman	X

Lab Number(s): 1203828

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	27	4oz	Cool Note: please check if collected in pre-weighed vials_____	5/am	

Metals Preserved By Login ☐yes ☐no **Trip Blanks Received** ☐yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 3-29-11 Date 1430 Time

1000.0-3.2 2/17/09 mm

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205359-01	E-16 (6-12)	Solid	05/14/12 10:02	05/14/12 17:19
1205359-02	E-16 (3-6)	Solid	05/14/12 10:21	05/14/12 17:19
1205359-03	E-16 (0-3) N	Solid	05/14/12 10:40	05/14/12 17:19
1205359-04	E-16 (0-3) E	Solid	05/14/12 10:45	05/14/12 17:19
1205359-05	D-16 (0-3) S	Solid	05/14/12 11:05	05/14/12 17:19
1205359-06	D-16 (0-3) E	Solid	05/14/12 11:10	05/14/12 17:19
1205359-07	D-16 (0-3) C	Solid	05/14/12 11:15	05/14/12 17:19
1205359-08	D-16 (3-6)	Solid	05/14/12 11:40	05/14/12 17:19
1205359-09	D-16 (6-12)	Solid	05/14/12 11:45	05/14/12 17:19
1205359-10	D-16 (0-3) N	Solid	05/14/12 12:10	05/14/12 17:19
1205359-11	F-17 (0-3) C	Solid	05/14/12 12:00	05/14/12 17:19
1205359-12	F-17 (0-3) N	Solid	05/14/12 12:15	05/14/12 17:19
1205359-13	F-17 (0-3) E	Solid	05/14/12 12:25	05/14/12 17:19
1205359-14	E-16 (0-3) W	Solid	05/14/12 14:05	05/14/12 17:19
1205359-15	E-16 (0-3) S	Solid	05/14/12 14:10	05/14/12 17:19
1205359-16	F-16 (0-3) N	Solid	05/14/12 14:15	05/14/12 17:19
1205359-17	F-16 (3-6)	Solid	05/14/12 14:45	05/14/12 17:19
1205359-18	F-16 (6-12)	Solid	05/14/12 14:50	05/14/12 17:19
1205359-19	F-16 (0-3) E	Solid	05/14/12 15:30	05/14/12 17:19

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205359-20	F-16 (0-3) W	Solid	05/14/12 15:35	05/14/12 17:19
1205359-21	F-16 (0-3) S	Solid	05/14/12 15:40	05/14/12 17:19
1205359-22	G-16 (0-3) N	Solid	05/14/12 15:50	05/14/12 17:19
1205359-23	G-16 (0-3) W	Solid	05/14/12 15:55	05/14/12 17:19
1205359-24	G-16 (3-6)	Solid	05/14/12 16:10	05/14/12 17:19
1205359-25	G-16 (6-12)	Solid	05/14/12 16:15	05/14/12 17:19

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

nelap

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: E-16 (6-12)
Sample Date/Time: 05/14/12 1002

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag	
Conventional Chemistry Parameters, SM 2540G											
% Solids	**88**	0.040	0.2	%	1.00	W3	2E15053	05/15/12 0759	BLF		
Metals (Total), EPA 3050B											
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E15058	05/15/12 0916	SPS		
Metals (Total), EPA 6010B											
Lead	JH-MS/SD **39.7**	0.06	0.42	mg/kg dry	1.04	M4	2E15058	05/16/12 1042	SPS	Q-20	ECS

MC 6-20-12

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: E-16 (3-6)
Sample Date/Time: 05/14/12 1021

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**90**	0.040	0.2	%	1.00	W3	2E15053	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**69.9**	0.06	0.42	mg/kg dry	1.03	M4	2E15058	05/16/12 1048	SPS	

TC
6-20-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-03
Sample Type: Grab
Sample Description: E-16 (0-3) N
Matrix: Solid
Sample Date/Time: 05/14/12 1040
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E15053	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**80.5**	0.06	0.42	mg/kg dry	0.99	M4	2E15058	05/16/12 1053	SPS	

NKJ
6-20-13

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: E-16 (0-3) E
Sample Date/Time: 05/14/12 1045

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E15053	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**90.0**	0.06	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1058	SPS	

NCT
6-20-13

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: D-16 (0-3) S
Sample Date/Time: 05/14/12 1105

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E15053	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**35.9**	0.06	0.42	mg/kg dry	1.04	M4	2E15058	05/16/12 1104	SPS	

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Report of Sample Analysis

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: D-16 (0-3) E
Sample Date/Time: 05/14/12 1110

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**84.4**	0.06	0.42	mg/kg dry	0.99	M4	2E15058	05/16/12 1109	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: D-16 (0-3) C
Sample Date/Time: 05/14/12 1115

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**162**	0.06	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1114	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: D-16 (3-6)
Sample Date/Time: 05/14/12 1140

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**122**	0.06	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1119	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: D-16 (6-12)
Sample Date/Time: 05/14/12 1145

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**89**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**95.9**	0.06	0.42	mg/kg dry	0.98	M4	2E15058	05/16/12 1151	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: D-16 (0-3) N
Sample Date/Time: 05/14/12 1210

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**98.7**	0.06	0.42	mg/kg dry	1.02	M4	2E15058	05/16/12 1157	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-11
Sample Type: Grab
Sample Description: F-17 (0-3) C
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Date/Time: 05/14/12 1200

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag	
Conventional Chemistry Parameters, SM 2540G											
% Solids	**84**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF		
Metals (Total), EPA 3050B											
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E15058	05/15/12 0916	SPS		
Metals (Total), EPA 6010B											
Lead JM-MS/SD	**64.1**	0.06	0.42	mg/kg dry	1.03	M4	2E15058	05/16/12 1202	SPS	Q-20	EC-S

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: F-17 (0-3) N
Sample Date/Time: 05/14/12 1215

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**51.5**	0.06	0.42	mg/kg dry	0.98	M4	2E15058	05/16/12 1207	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-13
Sample Type: Grab
Sample Description: F-17 (0-3) E
Matrix: Solid
Sample Date/Time: 05/14/12 1225
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**91.3**	0.07	0.42	mg/kg dry	1.03	M4	2E15058	05/16/12 1212	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-14
Sample Type: Grab
Sample Description: E-16 (0-3) W
Matrix: Solid
Sample Date/Time: 05/14/12 1405
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**91**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**150**	0.05	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1218	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-15
Sample Type: Grab
Sample Description: E-16 (0-3) S
Matrix: Solid
Sample Date/Time: 05/14/12 1410
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**74.9**	0.06	0.42	mg/kg dry	1.02	M4	2E15058	05/16/12 1223	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: F-16 (0-3) N
Sample Date/Time: 05/14/12 1415

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**106**	0.06	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1228	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-17
Sample Type: Grab
Sample Description: F-16 (3-6)
Matrix: Solid
Sample Date/Time: 05/14/12 1445
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**89.0**	0.06	0.42	mg/kg dry	0.97	M4	2E15058	05/16/12 1249	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: F-16 (6-12)
Sample Date/Time: 05/14/12 1450

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**8.01**	0.06	0.42	mg/kg dry	1.00	M4	2E15058	05/16/12 1254	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: F-16 (0-3) E
Sample Date/Time: 05/14/12 1530

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**95.8**	0.07	0.42	mg/kg dry	1.04	M4	2E15058	05/16/12 1300	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-20
Sample Type: Grab
Sample Description: F-16 (0-3) W
Matrix: Solid
Sample Date/Time: 05/14/12 1535
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E15058	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**133**	0.06	0.42	mg/kg dry	1.01	M4	2E15058	05/16/12 1305	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-21
Sample Type: Grab
Sample Description: F-16 (0-3) S
Matrix: Solid
Sample Date/Time: 05/14/12 1540
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E15059	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead JH-MS/SD	**104**	0.06	0.42	mg/kg dry	1.01	M4	2E15059	05/16/12 1310	SPS	Q-20 ECS

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-22
Sample Type: Grab
Sample Description: G-16 (0-3) N
Matrix: Solid
Sample Date/Time: 05/14/12 1550
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	47.62	DB1	2E15059	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**132**	0.06	0.42	mg/kg dry	0.95	M4	2E15059	05/16/12 1315	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-23
Sample Type: Grab
Sample Description: G-16 (0-3) W
Matrix: Solid
Sample Date/Time: 05/14/12 1555
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E15059	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**245**	0.07	0.42	mg/kg dry	1.04	M4	2E15059	05/16/12 1321	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-24
Sample Type: Grab
Sample Description: G-16 (3-6)
Matrix: Solid
Sample Date/Time: 05/14/12 1610
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E15059	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**65.0**	0.06	0.42	mg/kg dry	1.02	M4	2E15059	05/16/12 1326	SPS	

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6-20-13

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400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Laboratory ID #: 1205359-25
Sample Type: Grab
Sample Description: G-16 (6-12)
Matrix: Solid
Sample Date/Time: 05/14/12 1615
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E15052	05/15/12 0759	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E15059	05/15/12 0916	SPS	
Metals (Total), EPA 6010B										
Lead	**61.0**	0.06	0.42	mg/kg dry	1.03	M4	2E15059	05/16/12 1331	SPS	

MLT
6-20-13

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Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E15052-BLK1)										
Prepared: 05/15/12 07:55 Analyzed: 05/15/12 07:59										
% Solids	**ND**	0.040	%							
Duplicate (2E15052-DUP1)					**Source: 1205359-07**					
Prepared: 05/15/12 07:55 Analyzed: 05/15/12 07:59										
% Solids	**86**	0.040	%		87			1	7	
Duplicate (2E15052-DUP2)					**Source: 1205359-17**					
Prepared: 05/15/12 07:55 Analyzed: 05/15/12 07:59										
% Solids	**82**	0.040	%		82			0.4	7	
Blank (2E15053-BLK1)										
Prepared & Analyzed: 05/15/12 07:59										
% Solids	**ND**	0.040	%							
Duplicate (2E15053-DUP1)					**Source: 1205270-01**					
Prepared & Analyzed: 05/15/12 07:59										
% Solids	**88**	0.040	%		89			0.5	7	
Duplicate (2E15053-DUP2)					**Source: 1205359-05**					
Prepared & Analyzed: 05/15/12 07:59										
% Solids	**80**	0.040	%		81			0.7	7	

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Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E15058-BLK1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.05	mg/kg wet							
Laboratory Control Sample (2E15058-BS1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**51.0**	0.05	mg/kg wet	50.0		102	80-120			
Laboratory Control Sample Duplicate (2E15058-BSD1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**51.8**	0.05	mg/kg wet	50.0		104	80-120	1	20	
Matrix Spike (2E15058-MS1) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**120**	0.55	mg/kg dry	55.2	39.7	146	75-125			Q-02, R-01
Matrix Spike (2E15058-MS2) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**188**	0.60	mg/kg dry	59.5	64.1	209	75-125			Q-02, R-01
Matrix Spike Duplicate (2E15058-MSD1) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**124**	0.55	mg/kg dry	55.2	39.7	152	75-125	3	20	Q-02, R-01

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/16/12 16:31

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E15058-MSD2) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**188**	0.59	mg/kg dry	58.9	64.1	210	75-125	0.4	20	Q-02, R-01
Blank (2E15059-BLK1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.05	mg/kg wet							
Laboratory Control Sample (2E15059-BS1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**50.9**	0.05	mg/kg wet	50.0		102	80-120			
Laboratory Control Sample Duplicate (2E15059-BSD1) Prepared & Analyzed: 05/15/12 09:16										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**51.0**	0.05	mg/kg wet	50.0		102	80-120	0.1	20	
Matrix Spike (2E15059-MS1) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**252**	0.65	mg/kg dry	64.9	104	229	75-125			Q-02, R-01
Matrix Spike Duplicate (2E15059-MSD1) Prepared & Analyzed: 05/15/12 09:16					**Source: 1205359-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**235**	0.64	mg/kg dry	64.3	104	204	75-125	7	20	Q-02, R-01

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Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-20	The recovery of this analyte in the MS was higher than the acceptable range. This indicates a high bias to the result presented.
R-01	The higher reporting limit is due to dilutions required for analysis as a result of a high concentration of target and/or non-target parameters in this sample.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1205359 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	05/16/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**05/16/12**
Project Name:	**Exide Technologies**	Laboratory Job Number:	**1205359**
Reviewer Name:	**Melissa McCullough**	Prep Batch Number(s):	**2E15052,2E15053,2E15058,2E15059**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	O	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	O	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	O	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	O	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	O	**Laboratory control samples (LCS)**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	O	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	O	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	O	**Method quantitation limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	O	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked)

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	**LRC Date:**	05/16/12
Project Name:	Exide Technologies	**Laboratory Job**	1205359
Reviewer Name:	Melissa McCullough	**Prep Batch Number(s):**	2E15052,2E15053,2E15058,2E15059

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**05/16/12**
Project Name:	**Exide Technologies**	**Laboratory Job**	**1205359**
Reviewer Name:	**Melissa McCullough**	**Prep Batch Number(s):**	**2E15052,2E15053,2E15058,2E15059**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (146%) was outside acceptance limits (75-125) in 2E15058-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (209%) was outside acceptance limits (75-125) in 2E15058-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (152%) was outside acceptance limits (75-125) in 2E15058-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (210%) was outside acceptance limits (75-125) in 2E15058-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (229%) was outside acceptance limits (75-125) in 2E15059-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (204%) was outside acceptance limits (75-125) in 2E15059-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a high bias to the result presented for the source (1205359-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1562123

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Pastor Behling & Wheeler	Report To:	Attention:
Address: 2201 Double Creek Dr. Ste 4004 Round Rock, Tx 78664	Copy To: MATT.SUTHERLAND@PBWLLC.COM JEN.BUSH@PBWLLC.COM	Company Name:
Email To: ERIC.PASTOR@PBWLLC.com	Purchase Order No.:	Address: Pace Quote Reference: SAM
Phone: 512-671-3434 Fax:	Project Name: ENDE TECHNOLOGIES	Pace Project Manager:
Requested Due Date/TAT: 24 HR Rush	Project Number: 1788 (PBW Job #)	Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: ____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-16(6-12)	SL	G	5/14/12	1002					1	X								X	X		1205359-01
2	E-16(3-6)	SL	G	5/14/12	1021					1	X								X	X		1205359-02
3	E-16(0-3)N			"	1040														X			1205359-03
4	E-16(0-3)E			"	1045														X			1205359-04
5	D-16(0-3)S			"	1105														X			1205359-05
6	D-16(0-3)E			"	1110														X			1205359-06
7	D-16(0-3)C			"	1115														X			1205359-07
8	D-16(3-6)				1140														X			1205359-08
9	D-16(6-12)				1145														X			1205359-09
10	D-16(0-3)N				1210														X			1205359-10
11	F-17(0-3)C				1200														X			1205359-11
12	F-17(0-3)N				1215														X			1205359-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
DO not discard until notified by PBW	Matt Sutherland	5/14/12	1634	Edyn A. Glen	05/14/12	1634	4.0	Y	Y	Y
24 hr Rush	Edyn A. Glen	05/14/2012	2719	Leslie Lindbaard-Pace	5/14/12	2719				
TRRP Reporting										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C: 4.0 (2)

Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1562121

Section A Required Client Information:

Company:	PBW, LLC
Address:	
Email To:	Same as Page #1
Phone: / Fax:	
Requested Due Date/TAT:	24 hr Rush

Section B Required Project Information:

Report To:	
Copy To:	
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	Same as page #1
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / , -) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N): Y/N	Analysis Test: Total metals (6010 Ds4)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	F-17(0-3) E	SL	G	5/14/12	1225	—			1	X								X	X		1205359-13
2	E-16(0-3) W				1405				1	X								X	X		1205359-14
3	E-16(0-3) S				1410				1	X								X	X		1205359-15
4	F-16(0-3) N				1415				1	X								X	X		1205359-16
5	F-16 (3-6)				1445	—			1	X								X	X		1205359-17
6	F-16 (6-12)				1450				1	X								X	X		1205359-18
7	F-16 (0-3) E				1530				1	X								X	X		1205359-19
8	F-16(0-3) W				1535				1	X								X	X		1205359-20
9	F-16(0-3) S				1540				1	X								X	X		1205359-21
10	G-16(0-3) N				1550				1	X								X	X		1205359-22
11	G-16(0-3) W				1555				1	X								X	X		1205359-23
12	G-16(7-6)	↓	↓	↓	1610				1	X								X	X		1205359-24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Do not discard until						
by PBW		5/14/12	1634		5/14/2012	1634
24 hr Rush		05/14/2012	1719		5/14/12	1719
TRRP Reporting Required						

SAMPLE CONDITIONS: 4.0C | Y | Y | Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C Received on Ice (Y/N) Custody Sealed Cooler (Y/N) Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1562120

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
Same as page 1		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total Metals (Type 6010 only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	G-16(6-12)	Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	SL	G	5/14/12	1615	—			1	X								X		1205359.25
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Dont Discard till notified Not Lab		5/14/12	1634	Elyn A Gunn	05/14/2012	1634	4.0	Y	Y	Y
24 hr Rush	Elyn A Gunn 05/14/2012	1719		Leslie Underwood Pace	5/14/12	1719				
TRRP Reporting Required										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

120535 9

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	~~Eaton, Bellamy, &~~ PBL, Inc	DATE 05/14/2012
	ADDRESS	SUITE	
	CITY		
	REFERENCE NO.		
CONSIGNEE	NAME	Pace Analytical	
	ADDRESS	400 West Bethany Drive SUITE 190	
	CITY	Allen, TX 75013	
	ATTN:		

Falcon Charges: ☐ PREPAID ☐ COLLECT ☐ ROUND TRIP ☐ NIGHT-WEEKEND

Type of Delivery: ☐ X-Press ☐ 2 HOUR ☐ 4 HOUR ☐ NEXT DAY

NO. POS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES
25	Samples		WEIGHT CHARGE
			WAITING TIME CHG
			DELIVERY CHARGE
			TOTAL CHARGES

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL	RECEIVED BY	RECEIVED BY
Edgar Gesse	Edgar Gesse	5:19 pm	x Leslie Lindbrood	x

Pace Analytical®

CUSTODY SEAL

SIGNATURE Matt Satterthwaite

DATE 5/14/12

Lab Number(s): 120359

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	2	4oz	Cool Note: please check if collected in pre-weighed vials_____	Glass	

Metals Preserved By Login ☐yes ☐no Trip Blanks Received ☐yes ☐no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ Date 5-14-12 Time 1745

1000.0-3.2 5/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205392-01	G-16 (0-3) S	Solid	05/14/12 16:40	05/15/12 17:09
1205392-02	G-16 (0-3) E	Solid	05/14/12 16:45	05/15/12 17:09
1205392-03	F-17 (3-6)	Solid	05/14/12 17:05	05/15/12 17:09
1205392-04	F-17 (6-12)	Solid	05/14/12 17:10	05/15/12 17:09
1205392-05	L-16 (0-3) N	Solid	05/15/12 08:05	05/15/12 17:09
1205392-06	L-16 (0-3) E	Solid	05/15/12 08:10	05/15/12 17:09
1205392-07	L-16 (0-3) S	Solid	05/15/12 08:15	05/15/12 17:09
1205392-08	L-16 (0-3) W	Solid	05/15/12 08:20	05/15/12 17:09
1205392-09	L-17 (0-3) S	Solid	05/15/12 09:05	05/15/12 17:09
1205392-10	L-17 (0-3) W	Solid	05/15/12 09:10	05/15/12 17:09
1205392-11	L-17 (0-3) N	Solid	05/15/12 09:15	05/15/12 17:09
1205392-12	L-17 (0-3) E	Solid	05/15/12 09:20	05/15/12 17:09
1205392-13	M-16 (0-3) W	Solid	05/15/12 10:15	05/15/12 17:09
1205392-14	M-16 (0-3) S	Solid	05/15/12 10:20	05/15/12 17:09
1205392-15	M-16 (0-3) E	Solid	05/15/12 10:25	05/15/12 17:09
1205392-16	M-16 (0-3) N	Solid	05/15/12 10:30	05/15/12 17:09
1205392-17	L-17 (3-6)	Solid	05/15/12 11:00	05/15/12 17:09
1205392-18	L-17 (6-12)	Solid	05/15/12 11:10	05/15/12 17:09
1205392-19	L-16 (3-6)	Solid	05/15/12 11:45	05/15/12 17:09

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205392-20	L-16 (6-12)	Solid	05/15/12 11:50	05/15/12 17:09
1205392-21	M-17 (0-3) W	Solid	05/15/12 14:25	05/15/12 17:09
1205392-22	M-17 (0-3) N	Solid	05/15/12 14:30	05/15/12 17:09
1205392-23	M-17 (0-3) E	Solid	05/15/12 14:35	05/15/12 17:09
1205392-24	M-17 (0-3) S	Solid	05/15/12 14:40	05/15/12 17:09
1205392-25	M-14 (0-3) E	Solid	05/15/12 16:00	05/15/12 17:09
1205392-26	M-14 (0-3) W	Solid	05/15/12 16:05	05/15/12 17:09
1205392-27	M-14 (0-3) N	Solid	05/15/12 16:10	05/15/12 17:09
1205392-28	M-14 (0-3) S	Solid	05/15/12 16:15	05/15/12 17:09

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

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Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: G-16 (0-3) S
Sample Date/Time: 05/14/12 1640

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	81	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	51.55	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead JL - MS/SD	148	0.26	0.42	mg/kg dry	1.03	M4	2E16038	05/16/12 2233	SPS	Q-21 ECS

MKJ
6-21-13

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Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: G-16 (0-3) E
Sample Date/Time: 05/14/12 1645

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**92.5**	0.25	0.42	mg/kg dry	1.01	M4	2E16038	05/16/12 2238	SPS	

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6-21-13

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400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Page: Page 5 of 34
Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: F-17 (3-6)
Sample Date/Time: 05/14/12 1705

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**234**	0.24	0.42	mg/kg dry	1.01	M4	2E16038	05/16/12 2243	SPS	

NET
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: F-17 (6-12)
Sample Date/Time: 05/14/12 1710

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**25.9**	0.26	0.42	mg/kg dry	1.02	M4	2E16038	05/16/12 2248	SPS	

MKJ
6-21-13

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400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: L-16 (0-3) N
Sample Date/Time: 05/15/12 0805

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**165**	0.26	0.42	mg/kg dry	1.01	M4	2E16038	05/16/12 2253	SPS	

NKT
6-21-13

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-16 (0-3) E
Sample Date/Time: 05/15/12 0810

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**133**	0.27	0.42	mg/kg dry	1.00	M4	2E16038	05/16/12 2259	SPS	

MK
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-16 (0-3) S
Sample Date/Time: 05/15/12 0815

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**530**	0.24	0.42	mg/kg dry	0.98	M4	2E16038	05/16/12 2304	SPS	

NET
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: L-16 (0-3) W
Sample Date/Time: 05/15/12 0820

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**1740**	0.23	0.42	mg/kg dry	0.98	M4	2E16038	05/16/12 2309	SPS	

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Report of Sample Analysis

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: L-17 (0-3) S
Sample Date/Time: 05/15/12 0905

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**194**	0.26	0.42	mg/kg dry	1.00	M4	2E16038	05/16/12 2330	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-17 (0-3) W
Sample Date/Time: 05/15/12 0910

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**472**	0.28	0.42	mg/kg dry	1.01	M4	2E16038	05/16/12 2336	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: L-17 (0-3) N
Sample Date/Time: 05/15/12 0915

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag	
Conventional Chemistry Parameters, SM 2540G											
% Solids	**76**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF		
Metals (Total), EPA 3050B											
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS		
Metals (Total), EPA 6010B											
Lead JL-MS/SD	**196**	0.27	0.42	mg/kg dry	1.01	M4	2E16038	05/16/12 2341	SPS	Q-21	ECS

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: L-17 (0-3) E
Sample Date/Time: 05/15/12 0920

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**74**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**87.9**	0.28	0.42	mg/kg dry	1.03	M4	2E16038	05/16/12 2346	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: M-16 (0-3) W
Sample Date/Time: 05/15/12 1015

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**1730**	0.23	0.42	mg/kg dry	1.03	M4	2E16038	05/16/12 2352	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-16 (0-3) S
Sample Date/Time: 05/15/12 1020

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**106**	0.23	0.42	mg/kg dry	0.99	M4	2E16038	05/16/12 2357	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: M-16 (0-3) E
Sample Date/Time: 05/15/12 1025

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**190**	0.25	0.42	mg/kg dry	1.02	M4	2E16038	05/17/12 0002	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: M-16 (0-3) N
Sample Date/Time: 05/15/12 1030

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**328**	0.25	0.42	mg/kg dry	1.02	M4	2E16038	05/17/12 0008	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-17 (3-6)
Sample Date/Time: 05/15/12 1100

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**61.2**	0.25	0.42	mg/kg dry	0.97	M4	2E16038	05/17/12 0013	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-18
Sample Type: Grab
Sample Description: L-17 (6-12)
Matrix: Solid
Sample Date/Time: 05/15/12 1110
Sample Collected By: Matt Sutherland
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**15.0**	0.25	0.42	mg/kg dry	1.01	M4	2E16038	05/17/12 0018	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-16 (3-6)
Sample Date/Time: 05/15/12 1145

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**90.7**	0.23	0.42	mg/kg dry	0.98	M4	2E16038	05/17/12 0039	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-20
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: L-16 (6-12)
Sample Date/Time: 05/15/12 1150

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E16049	05/16/12 1317	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E16038	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**36.4**	0.24	0.42	mg/kg dry	1.01	M4	2E16038	05/17/12 0045	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-21
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-17 (0-3) W
Sample Date/Time: 05/15/12 1425

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	75	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	51.55	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead JL-MS/SD	201	0.27	0.42	mg/kg dry	1.03	M4	2E16039	05/17/12 0050	SPS	Q-21

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-22
Sample Type: Grab
Sample Description: M-17 (0-3) N
Matrix: Solid
Sample Date/Time: 05/15/12 1430
Sample Collected By: Matt Sutherland
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**123**	0.26	0.42	mg/kg dry	1.00	M4	2E16039	05/17/12 0055	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-23
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-17 (0-3) E
Sample Date/Time: 05/15/12 1435

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**138**	0.24	0.42	mg/kg dry	0.97	M4	2E16039	05/17/12 0101	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-24
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-17 (0-3) S
Sample Date/Time: 05/15/12 1440

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**134**	0.24	0.42	mg/kg dry	0.97	M4	2E16039	05/17/12 0106	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-25
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: M-14 (0-3) E
Sample Date/Time: 05/15/12 1600

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**188**	0.26	0.42	mg/kg dry	1.03	M4	2E16039	05/17/12 0111	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-26
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-14 (0-3) W
Sample Date/Time: 05/15/12 1605

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**936**	0.27	0.42	mg/kg dry	1.03	M4	2E16039	05/17/12 0117	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-27
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-14 (0-3) N
Sample Date/Time: 05/15/12 1610

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**72**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**471**	0.29	0.42	mg/kg dry	1.03	M4	2E16039	05/17/12 0122	SPS	

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Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Laboratory ID #: 1205392-28
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: M-14 (0-3) S
Sample Date/Time: 05/15/12 1615

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E16053	05/16/12 1340	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E16039	05/16/12 0742	SPS	
Metals (Total), EPA 6010B										
Lead	**488**	0.25	0.42	mg/kg dry	1.00	M4	2E16039	05/17/12 0127	SPS	

NKJ
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E16049-BLK1)										
Prepared & Analyzed: 05/16/12 13:17										
% Solids	**ND**	0.040	%							
Duplicate (2E16049-DUP1)										
Prepared & Analyzed: 05/16/12 13:17					**Source: 1205392-01**					
% Solids	**80**	0.040	%		81			0.6	7	
Duplicate (2E16049-DUP2)										
Prepared & Analyzed: 05/16/12 13:17					**Source: 1205392-11**					
% Solids	**76**	0.040	%		76			0.4	7	
Blank (2E16053-BLK1)										
Prepared & Analyzed: 05/16/12 13:40										
% Solids	**ND**	0.040	%							
Duplicate (2E16053-DUP1)										
Prepared & Analyzed: 05/16/12 13:40					**Source: 1205392-21**					
% Solids	**75**	0.040	%		75			0.1	7	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E16038-BLK1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.20	mg/kg wet							
Laboratory Control Sample (2E16038-BS1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**51.8**	0.20	mg/kg wet	50.0		104	80-120			
Laboratory Control Sample Duplicate (2E16038-BSD1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**52.7**	0.20	mg/kg wet	50.0		105	80-120	2	20	
Matrix Spike (2E16038-MS1) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**135**	0.24	mg/kg dry	60.8	148	-21	75-125			Q-02
Matrix Spike (2E16038-MS2) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**212**	0.26	mg/kg dry	65.6	196	25	75-125			Q-02
Matrix Spike Duplicate (2E16038-MSD1) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**147**	0.25	mg/kg dry	61.4	148	-1	75-125	9	20	Q-02

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E16038-MSD2) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**193**	0.27	mg/kg dry	66.3	196	-4	75-125	9	20	Q-02
Blank (2E16039-BLK1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.20	mg/kg wet							
Laboratory Control Sample (2E16039-BS1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**52.7**	0.20	mg/kg wet	50.0		105	80-120			
Laboratory Control Sample Duplicate (2E16039-BSD1) Prepared & Analyzed: 05/16/12 07:42										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**53.0**	0.20	mg/kg wet	50.0		106	80-120	0.5	20	
Matrix Spike (2E16039-MS1) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**225**	0.26	mg/kg dry	64.1	201	37	75-125			Q-02
Matrix Spike Duplicate (2E16039-MSD1) Prepared & Analyzed: 05/16/12 07:42					**Source: 1205392-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**221**	0.26	mg/kg dry	64.1	201	32	75-125	1	20	Q-02

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Project #: 1788 (PBW Job#)
Print Date/Time: 05/17/12 15:15

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1205392 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	06/11/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**06/11/12**
Project Name:	**Exide Technologies**	Laboratory Job Number:	**1205392**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2E16038,2E16039,2E16049,2E16053**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS)**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs)**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data

Laboratory Name:	PACE Analytical Services, Inc.	**LRC Date:**	06/11/12
Project Name:	Exide Technologies	**Laboratory Job**	1205392
Reviewer Name:	Leslie Underwood	**Prep Batch Number(s):**	2E16038,2E16039,2E16049,2E16053

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration blank (CCB):**					
		Were percent differences for each analyte within the method-required QC limits?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
S5	OI	**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chap 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**06/11/12**
Project Name:	**Exide Technologies**	**Laboratory Job**	**1205392**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2E16038,2E16039,2E16049,2E16053**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (-21%) was outside acceptance limits (75-125) in 2E16038-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (25%) was outside acceptance limits (75-125) in 2E16038-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-1%) was outside acceptance limits (75-125) in 2E16038-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-4%) was outside acceptance limits (75-125) in 2E16038-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (37%) was outside acceptance limits (75-125) in 2E16039-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (32%) was outside acceptance limits (75-125) in 2E16039-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205392-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 3

1562119

Section A — Required Client Information:

Company: Pastor, Behling & Wheeler LLC
Address: 2201 Double Creek Dr. Ste 4004
Round Rock, Tx 78664
Email To: ERIC.PASTOR@PBWLLC.com
Phone: 512-671-3434 Fax:
Requested Due Date/TAT: 24 HRS Rush

Section B — Required Project Information:

Report To:
Copy To: MATT.SUTHERLAND@PBWLLC.com
JEN.BUSH@PBWLLC.com
Purchase Order No.:
Project Name: EXIDE TECHNOLOGIES
Project Number: 1788

Section C — Invoice Information:

Attention:
Company Name:
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D — Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved / Ice Only	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Hg-Bulk (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	C-16(0-3) S	SL	G	5-14-12	1640				1	X								X	X		1205392-01
2	C-16(0-3) E				1645																1205392-02
3	E-17(3-6)				1705																1205392-03
4	E-17(6-18)				1710																1205392-04
5	L-16(0-3) N			5-15-12	805																1205392-05
6	L-16(0-3) E				810																1205392-06
7	L-16(0-3) S				815																1205392-07
8	L-16(0-3) W				820																1205392-08
9	L-17(0-3) S				905																1205392-09
10	L-17(0-3) W				910																1205392-10
11	L-17(0-3) N				915																1205392-11
12	L-17(0-3) E				920																1205392-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Sutherland	5/15/12	1631	Edyn A. Zenk	5/15/12	1637	0.3°C	Y	Y	Y
24hr Rush Analysis	Edyn A. Zenk 5/15/12	1709		Melissa McAlear	5-15-12	1709				
Do not discard till notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland

DATE Signed (MM/DD/YY): 5/15/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 3

1562117

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Foster, Bohling & Wheeler	Report To:	Attention:
Address:	Copy To:	Company Name:
Same as Page 1		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Exide Technologies	Pace Project Manager:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information / SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-16(0-3) W	SL	G	5/15/12	1015				1	X									X		1205392-13
2	M-16(0-3) S				1020														X		1205392-14
3	M-16(0-3) E				1025														X		1205392-15
4	M-16(0-3) N				1030														X		1205392-16
5	L-17(3-6)				1100														X		1205392-17
6	L-17(6-12)				1110														X		1205392-18
7	L-16(3-6)				1145														X		1205392-19
8	L-16(6-12)				1150														X		1205392-20
9	M-17(0-3) W				1425														X		1205392-21
10	M-17(0-3) N				1430														X		1205392-22
11	M-17(0-3) E				1435														X		1205392-23
12	M-17(0-3) S				1440														X		1205392-24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
TRRP Reporting	Matt Sutherland	5/15/12	1631	Edgar A. Gerard	05/15/2012	1631	0.2°C Y Y Y
24 hr Rush	Edgar A. Gerard	05/15/2012	1709	Melissa McCullough	5-15-12	1709	
Do not discard until notified							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland

DATE Signed (MM/DD/YY): 5/15/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 3

1562131

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Tetra Tech	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Exide Tech	Pace Project Manager:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test ↓	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
	Matrix Codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT																				
1	M-14(0-3) E	SL	G	5-15-12	1600				1	X								X	Total Metals Pb Only		1205392-25
2	M-14(0-3) W	"	"	"	1605				"	"								X	"		1205392-26
3	M-14(0-3) N	"	"	"	1610				"	"								X	"		1205392-27
4	M-14(0-3) S	"	"	"	1615				"	"								X	"		1205392-28
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Preservatives: Ice Only

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Sutherland	5/15/12	1631	Edyna A. Gessner Jr	05/15/2012	1631	22°C	Y	Y	Y
24 Hr Rush	Edyna A. Gessner Jr	05/15/2012	1709	Melissa McCall	5-15-12	1709				
Do not Discard until notified										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland DATE Signed (MM/DD/YY): 5/15/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

120532

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	FBW, Inc	DATE 05/10/2012
	ADDRESS	corner of Parkwood & Eagan Ln	SUITE
	CITY	Frisco, TX 75034	
	REFERENCE NO.		
CONSIGNEE	NAME	Pace Analytical	
	ADDRESS	4400 West Bethany Drive	SUITE 190
	CITY	Allen, TX 75013	
	ATTN:		

Falcon Charges: ☐ PREPAID ☐ COLLECT ☐ ROUND TRIP ☐ NIGHT-WEEKEND

Type of Delivery: ☐ X-Press ☐ 2 HOUR ☐ 4 HOUR ☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES
28	Samples		WEIGHT CHARGE
			WAITING TIME CHG
			DELIVERY CHARGE
			TOTAL CHARGES

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Edgar Gesser	Edgar Gesser	5:09pm	X	X

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
284185

Custody Seal

DATE 5/15/12

SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
284185

Lab Number(s): 1205392

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	2	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login ☐yes ☐no Trip Blanks Received ☐yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5-15-12 Date 0909 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 3

1562119

Section A — Required Client Information:

Company: Pastor, Behling & Wheeler LLC
Address: 2201 Double Creek Dr. Ste 4004
Round Rock, Tx 78664
Email To: ERIC.PASTOR@PBWLLC.com
Phone: 512-671-3434 Fax:
Requested Due Date/TAT: 24 HRS Rush

Section B — Required Project Information:

Report To: MATT.SUTHERLAND@PBWLLC.com
Copy To: JEN.BUSH@PBWLLC.com
Purchase Order No.:
Project Name: EXIDE TECHNOLOGIES
Project Number: 1788

Section C — Invoice Information:

Attention:
Company Name:
Address: Same
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D — Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved / Ice Only	Preservatives: H_2SO_4	Preservatives: HNO_3	Preservatives: HCl	Preservatives: NaOH	Preservatives: $Na_2S_2O_3$	Preservatives: Methanol	Preservatives: Other	Analysis Test Y/N	Requested Analysis Filtered (Y/N): Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	C-16(0-3) S	SL	G	5-14-12	1640				1	X								Y	X		12053927-01
2	C-16(0-3) E				1645														X		12053927-02
3	C-17(0-3)				1705														X		12053927-03
4	C-17(0-3)				1710														X		12053927-04
5	L-16(0-3) N			5-15-12	805														X		12053927-05
6	L-16(0-3) E				810														X		12053927-06
7	L-16(0-3) S				815														X		12053927-07
8	L-16(0-3) W				820														X		12053927-08
9	L-17(0-3) S				905														X		12053927-09
10	L-17(0-3) W				910														X		12053927-10
11	L-17(0-3) N				915														X		12053927-11
12	L-17(0-3) E				920														X		12053927-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Sutherland	5/15/12	1631	Edyn A. Gentil @5/15/12	5/15/12	1637	0.3°C	Y	Y	Y
24hr Rush Results	Edyn A. Gentil @5/15/12	1709		Melissa McAllen	5-15-12	1709				
Do not discard till notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland DATE Signed (MM/DD/YY): 5/15/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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Page: 2 of 3

1562117

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Foster, Bobling & Wheeler	Report To:	Attention:
Address:	Copy To:	Company Name:
Same as Page 1		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Exide Technologies	Pace Project Manager:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	TRU metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-16(0-3) W		SL	G	5/15/12	1015				1	X								X	X	1205392-13
2	M-16(0-3) S					1020															1205392-14
3	M-16(0-3) E					1025															1205392-15
4	M-16(0-3) N					1030															1205392-16
5	L-17(3-6)					1100															1205392-17
6	L-17(6-12)					1110															1205392-18
7	L-16(3-6)					1145															1205392-19
8	L-16(6-12)					1150															1205392-20
9	M-17(0-3) W					1425															1205392-21
10	M-17(0-3) N					1430															1205392-22
11	M-17(0-3) E					1435															1205392-23
12	M-17(0-3) S					1440															1205392-24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Stuller	5/15/12	1631	Edgar A. Yeni	05/15/2012	1631	0.2°	Y	Y	Y
24hr Rush	Edgar A. Yeni	05/15/2012	1709	Melissa McCullough	5-15-12	1709				
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Stuller

SIGNATURE of SAMPLER: Matt Stuller

DATE Signed (MM/DD/YY): 5/15/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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F-ALL-Q-020rev.07, 15-May-2007

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Page: 3 of 3

1562131

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: Kbw, LLC	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name: Exide Tech	Pace Project Manager:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved (Ice Only)	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total Metals Pb Only	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	m-14(0-3) E	SL	G	5-15-12	1600				1	X							X	X		1205392-25
2	m-14(0-3) W	"	"	"	1605				"	"							X	X		1205392-26
3	m-14(0-3) N	"	"	"	1610				"	"							X	X		1205392-27
4	m-14(0-3) S	"	"	"	1615				"	"							X	X		1205392-28
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp In °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Sutherland	5/15/12	1631	Edyna Jessup	5/15/2012	1631	22°C	Y	Y	Y
24 Hr Rush	Edyna Jessup	5/15/2012	1709	Melissa McAlee	5-15-12	1709				
Do not Discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland DATE Signed (MM/DD/YY): 5/15/12

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

120539?

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER
NAME PBW, Inc.
ADDRESS corner of Parkwood & Eagan Lane
CITY Frisco, TX 75034
REFERENCE NO.

CONSIGNEE
NAME Pace Analytical
ADDRESS 400 West Bethany Drive SUITE 190
CITY Allen, TX 75013
ATTN:

DATE 05/15/2012

Falcon Charges	Type of Delivery
☐ PREPAID	☐ X-Press
☐ COLLECT	☐ 2 HOUR
☐ ROUND TRIP	☐ 4 HOUR
☐ NIGHT-WEEKEND	☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
28	Samples		WEIGHT CHARGE	
			WAITING TIME CHG	
			DELIVERY CHARGE	
WAITING TIME			TOTAL CHARGES	

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEP.	RECEIVED BY	RECEIVED BY
Edgar Gesser	Edgar Gesser	5:09pm	X	X

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
284185

Custody Seal

DATE 5/15/12

SIGNATURE

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
284185

Lab Number(s): 1205392

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	2	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login ☐yes ☐no Trip Blanks Received ☐yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5-15-12 Date 0909 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205433-01	M-15 (0-3) N	Solid	05/15/12 17:10	05/16/12 16:56
1205433-02	M-15 (0-3) W	Solid	05/15/12 17:15	05/16/12 16:56
1205433-03	M-15 (0-3) S	Solid	05/15/12 17:20	05/16/12 16:56
1205433-04	M-15 (0-3) E	Solid	05/15/12 17:25	05/16/12 16:56
1205433-05	M-15 (3-6)	Solid	05/15/12 17:35	05/16/12 16:56
1205433-06	M-15 (6-12)	Solid	05/15/12 17:40	05/16/12 16:56
1205433-07	M-17 (3-6)	Solid	05/16/12 07:55	05/16/12 16:56
1205433-08	M-17 (6-12)	Solid	05/16/12 08:00	05/16/12 16:56
1205433-09	M-16 (3-6)	Solid	05/16/12 07:15	05/16/12 16:56
1205433-10	N-16 (0-3) E	Solid	05/16/12 08:55	05/16/12 16:56
1205433-11	N-16 (0-3) W	Solid	05/16/12 08:45	05/16/12 16:56
1205433-12	N-16 (0-3) N	Solid	05/16/12 08:50	05/16/12 16:56
1205433-13	N-16 (0-3) S	Solid	05/16/12 09:00	05/16/12 16:56
1205433-14	N-16 (3-6)	Solid	05/16/12 09:05	05/16/12 16:56
1205433-15	O-15 (3-6)	Solid	05/16/12 09:45	05/16/12 16:56
1205433-16	O-15 (6-12)	Solid	05/16/12 09:50	05/16/12 16:56
1205433-17	0-15 (0-3) N	Solid	05/16/12 10:00	05/16/12 16:56
1205433-18	0-15 (0-3) E	Solid	05/16/12 10:05	05/16/12 16:56
1205433-19	0-15 (0-3) W	Solid	05/16/12 10:25	05/16/12 16:56

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Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205433-20	0-15 (0-3) S	Solid	05/16/12 10:30	05/16/12 16:56
1205433-21	M-14 (3-6)	Solid	05/16/12 11:05	05/16/12 16:56
1205433-22	M-14 (6-12)	Solid	05/16/12 11:10	05/16/12 16:56
1205433-23	M-12 (0-3) N	Solid	05/16/12 11:40	05/16/12 16:56
1205433-24	M-12 (0-3) E	Solid	05/16/12 11:45	05/16/12 16:56
1205433-25	M-12 (0-3) W	Solid	05/16/12 11:50	05/16/12 16:56
1205433-26	M-12 (0-3) S	Solid	05/16/12 11:55	05/16/12 16:56
1205433-27	N-12 (0-3) N	Solid	05/16/12 14:00	05/16/12 16:56
1205433-28	N-12 (0-3) E	Solid	05/16/12 14:05	05/16/12 16:56
1205433-29	N-12 (0-3) S	Solid	05/16/12 14:10	05/16/12 16:56
1205433-30	N-12 (0-3) W	Solid	05/16/12 14:15	05/16/12 16:56
1205433-31	N-11 (0-3) E	Solid	05/16/12 14:30	05/16/12 16:56
1205433-32	N-11 (0-3) S	Solid	05/16/12 14:35	05/16/12 16:56
1205433-33	N-11 (0-3) W	Solid	05/16/12 14:40	05/16/12 16:56
1205433-34	N-11 (0-3) N	Solid	05/16/12 14:45	05/16/12 16:56
1205433-35	I-18 (0-3) E	Solid	05/16/12 15:45	05/16/12 16:56
1205433-36	I-18 (0-3) S	Solid	05/16/12 15:50	05/16/12 16:56
1205433-37	I-18 (6-12)	Solid	05/16/12 15:35	05/16/12 16:56
1205433-38	I-18 (3-6)	Solid	05/16/12 15:40	05/16/12 16:56
1205433-39	I-18 (0-3) W	Solid	05/16/12 15:55	05/16/12 16:56
1205433-40	I-18 (0-3) N	Solid	05/16/12 16:00	05/16/12 16:56

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

Arkansas: 88-0647
Oklahoma: 8727

Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

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2201 Double Creek Dr., Suite 4004
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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-01
Sample Description: M-15 (0-3) N
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/15/12 1710
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**201**	0.06	0.42	mg/kg dry	1.03	M4	2E17063	05/17/12 2005	SPS	Q-21, Q-22

NK 6.21-13

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-02
Sample Description: M-15 (0-3) W
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/15/12 1715
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**352**	0.07	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2011	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: M-15 (0-3) S
Sample Date/Time: 05/15/12 1720

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**200**	0.07	0.42	mg/kg dry	1.04	M4	2E17063	05/17/12 2018	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: M-15 (0-3) E
Sample Date/Time: 05/15/12 1725

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**134**	0.06	0.42	mg/kg dry	1.00	M4	2E17063	05/17/12 2024	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: M-15 (3-6)
Sample Date/Time: 05/15/12 1735

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.54	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**78.6**	0.06	0.42	mg/kg dry	0.97	M4	2E17063	05/17/12 2031	SPS	

WKT
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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-06
Sample Description: M-15 (6-12)
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/15/12 1740
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**91**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**32.6**	0.05	0.42	mg/kg dry	0.99	M4	2E17063	05/17/12 2037	SPS	

MEP
6-25-13

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: M-17 (3-6)
Sample Date/Time: 05/16/12 0755

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**48.8**	0.06	0.42	mg/kg dry	1.02	M4	2E17063	05/17/12 2100	SPS	

MD
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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-08
Sample Type: Grab
Sample Description: M-17 (6-12)
Matrix: Solid
Sample Date/Time: 05/16/12 0800
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**93**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**12.5**	0.05	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2106	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: M-16 (3-6)
Sample Date/Time: 05/16/12 0715

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**90**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**34.5**	0.05	0.42	mg/kg dry	0.98	M4	2E17063	05/17/12 2113	SPS	

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6-21-12

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: N-16 (0-3) E
Sample Date/Time: 05/16/12 0855

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**67.9**	0.06	0.42	mg/kg dry	1.04	M4	2E17063	05/17/12 2119	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: N-16 (0-3) W
Sample Date/Time: 05/16/12 0845

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**4750**	0.06	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2126	SPS	Q-21, Q-22

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-12
Sample Type: Grab
Sample Description: N-16 (0-3) N
Matrix: Solid
Sample Date/Time: 05/16/12 0850
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**109**	0.06	0.42	mg/kg dry	0.98	M4	2E17063	05/17/12 2132	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: N-16 (0-3) S
Sample Date/Time: 05/16/12 0900

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**89**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**97.1**	0.06	0.42	mg/kg dry	1.03	M4	2E17063	05/17/12 2139	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: N-16 (3-6)
Sample Date/Time: 05/16/12 0905

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**92**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**77.7**	0.05	0.42	mg/kg dry	0.99	M4	2E17063	05/17/12 2146	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-15
Sample Type: Grab
Sample Description: O-15 (3-6)
Matrix: Solid
Sample Date/Time: 05/16/12 0945
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	93	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	3060	0.05	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2152	SPS	

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: O-15 (6-12)
Sample Date/Time: 05/16/12 0950

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**93**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**1260**	0.05	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2159	SPS	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: 0-15 (0-3) N
Sample Date/Time: 05/16/12 1000

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**164**	0.06	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2221	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: 0-15 (0-3) E
Sample Date/Time: 05/16/12 1005

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**90**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**36.8**	0.06	0.42	mg/kg dry	1.03	M4	2E17063	05/17/12 2228	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: 0-15 (0-3) W
Sample Date/Time: 05/16/12 1025

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**55.2**	0.07	0.42	mg/kg dry	1.02	M4	2E17063	05/17/12 2234	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-20
Sample Type: Grab
Sample Description: 0-15 (0-3) S
Matrix: Solid
Sample Date/Time: 05/16/12 1030
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E17061	05/17/12 1146	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17063	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**47.9**	0.06	0.42	mg/kg dry	1.01	M4	2E17063	05/17/12 2241	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-21
Sample Type: Grab
Sample Description: M-14 (3-6)
Matrix: Solid
Sample Date/Time: 05/16/12 1105
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag	
Conventional Chemistry Parameters, SM 2540G											
% Solids	82	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF		
Metals (Total), EPA 3050B											
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	49.50	DB1	2E17065	05/17/12 1210	SPS		
Metals (Total), EPA 6010B											
Lead J1+MS/SD	87.4	0.24	0.42	mg/kg dry	0.99	M4	2E17065	05/17/12 2247	SPS	Q-22, Q-34	ECS

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-22
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: M-14 (6-12)
Sample Date/Time: 05/16/12 1110

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**85**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**40.8**	0.23	0.42	mg/kg dry	0.98	M4	2E17065	05/17/12 2254	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-23
Sample Description: M-12 (0-3) N
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/16/12 1140
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**293**	0.24	0.42	mg/kg dry	1.01	M4	2E17065	05/17/12 2301	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-24
Sample Description: M-12 (0-3) E
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/16/12 1145
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**316**	0.24	0.42	mg/kg dry	1.04	M4	2E17065	05/17/12 2307	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-25
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: M-12 (0-3) W
Sample Date/Time: 05/16/12 1150

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**89**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**256**	0.23	0.42	mg/kg dry	1.04	M4	2E17065	05/17/12 2314	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-26
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: M-12 (0-3) S
Sample Date/Time: 05/16/12 1155

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**174**	0.23	0.42	mg/kg dry	1.00	M4	2E17065	05/17/12 2320	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-27
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: N-12 (0-3) N
Sample Date/Time: 05/16/12 1400

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**337**	0.23	0.42	mg/kg dry	1.00	M4	2E17065	05/17/12 2343	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-28
Sample Type: Grab
Sample Description: N-12 (0-3) E
Matrix: Solid
Sample Date/Time: 05/16/12 1405
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**94**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**169**	0.21	0.42	mg/kg dry	1.00	M4	2E17065	05/17/12 2349	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-29
Sample Description: N-12 (0-3) S
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/16/12 1410
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**87**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**171**	0.24	0.42	mg/kg dry	1.03	M4	2E17065	05/17/12 2356	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-30
Sample Type: Grab
Sample Description: N-12 (0-3) W
Matrix: Solid
Sample Date/Time: 05/16/12 1415
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**88**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**129**	0.22	0.42	mg/kg dry	0.98	M4	2E17065	05/18/12 0002	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-31
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided — Customer
Sample Description: N-11 (0-3) E
Sample Date/Time: 05/16/12 1430

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag	
Conventional Chemistry Parameters, SM 2540G											
% Solids	89	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF		
Metals (Total), EPA 3050B											
Acid Digestion of Sludges/Solids	Completed	N/A	N/A	-	49.50	DB1	2E17065	05/17/12 1210	SPS		
Metals (Total), EPA 6010B											
Lead JL-MS/SD	140	0.22	0.42	mg/kg dry	0.99	M4	2E17065	05/18/12 0009	SPS	Q-21, Q-22	ECS

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-32
Sample Type: Grab
Sample Description: N-11 (0-3) S
Matrix: Solid
Sample Date/Time: 05/16/12 1435
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.55	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**102**	0.25	0.42	mg/kg dry	1.03	M4	2E17065	05/18/12 0016	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-33
Sample Type: Grab
Sample Description: N-11 (0-3) W
Matrix: Solid
Sample Date/Time: 05/16/12 1440
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**99.2**	0.25	0.42	mg/kg dry	1.04	M4	2E17065	05/18/12 0022	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-34
Sample Type: Grab
Sample Description: N-11 (0-3) N
Matrix: Solid
Sample Date/Time: 05/16/12 1445
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	48.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**149**	0.24	0.42	mg/kg dry	0.96	M4	2E17065	05/18/12 0029	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-35
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: I-18 (0-3) E
Sample Date/Time: 05/16/12 1545

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51|55	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**42.0**	0.26	0.42	mg/kg dry	1.03	M4	2E17065	05/18/12 0035	SPS	

MLC
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-36
Sample Description: I-18 (0-3) S
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/16/12 1550
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**86**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**116**	0.24	0.42	mg/kg dry	1.02	M4	2E17065	05/18/12 0042	SPS	

NCF
6-21-13

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Report of Sample Analysis

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2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-37
Sample Type: Grab
Sample Description: I-18 (6-12)
Matrix: Solid
Sample Date/Time: 05/16/12 1535
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**91**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**23.8**	0.22	0.42	mg/kg dry	1.02	M4	2E17065	05/18/12 0104	SPS	

NKT
6-21-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-38
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: I-18 (3-6)
Sample Date/Time: 05/16/12 1540

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**90**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.63	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**58.2**	0.23	0.42	mg/kg dry	1.05	M4	2E17065	05/18/12 0111	SPS	

MK7
6-21-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-39
Sample Type: Grab
Matrix: Solid
Sample Collected By: Not Provided
Customer
Sample Description: I-18 (0-3) W
Sample Date/Time: 05/16/12 1555

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**43.9**	0.25	0.42	mg/kg dry	1.04	M4	2E17065	05/18/12 0117	SPS	

NKT
6-21-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Laboratory ID #: 1205433-40
Sample Description: I-18 (0-3) N
Sample Type: Grab
Matrix: Solid
Sample Date/Time: 05/16/12 1600
Sample Collected By: Not Provided
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E17064	05/17/12 1210	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	52.08	DB1	2E17065	05/17/12 1210	SPS	
Metals (Total), EPA 6010B										
Lead	**42.2**	0.25	0.42	mg/kg dry	1.04	M4	2E17065	05/18/12 0124	SPS	

MKT
6-21-13

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E17061-BLK1) Prepared & Analyzed: 05/17/12 11:46										
% Solids	**ND**	0.040	%							
Duplicate (2E17061-DUP1) Prepared & Analyzed: 05/17/12 11:46					**Source: 1205433-11**					
% Solids	**77**	0.040	%		83			7	7	
Duplicate (2E17061-DUP2) Prepared & Analyzed: 05/17/12 11:46					**Source: 1205433-01**					
% Solids	**84**	0.040	%		82			3	7	
Blank (2E17064-BLK1) Prepared & Analyzed: 05/17/12 12:10										
% Solids	**ND**	0.040	%							
Duplicate (2E17064-DUP1) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-21**					
% Solids	**82**	0.040	%		82			0.6	7	
Duplicate (2E17064-DUP2) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-31**					
% Solids	**90**	0.040	%		89			1	7	

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag	
Blank (2E17063-BLK1) Prepared & Analyzed: 05/17/12 12:10											
Acid Digestion of Sludges/Solids	**Completed**	N/A	-								
Lead	**ND**	0.05	mg/kg wet								
Laboratory Control Sample (2E17063-BS1) Prepared & Analyzed: 05/17/12 12:10											
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0				
Lead	**52.2**	0.05	mg/kg wet	50.0		104	80-120				
Laboratory Control Sample Duplicate (2E17063-BSD1) Prepared & Analyzed: 05/17/12 12:10											
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0		
Lead	**51.6**	0.05	mg/kg wet	50.0		103	80-120	1	20		
Matrix Spike (2E17063-MS1) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-01**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0				
Lead	**209**	0.06	mg/kg dry	60.1	201	14	75-125			Q-02	NA
Matrix Spike (2E17063-MS2) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-11**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0				
Lead	**3480**	0.06	mg/kg dry	58.8	4750	-2160	75-125			Q-02	NA
Matrix Spike Duplicate (2E17063-MSD1) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-01**						
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0		
Lead	**234**	0.06	mg/kg dry	60.1	201	55	75-125	11	20	Q-02	NA

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E17063-MSD2)					**Source: 1205433-11**					
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**2140**	0.06	mg/kg dry	60.5	4750	-4300	75-125	48	20	Q-02, Q-04
Blank (2E17065-BLK1)										
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.20	mg/kg wet							
Laboratory Control Sample (2E17065-BS1)										
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**51.2**	0.20	mg/kg wet	50.0		102	80-120			
Laboratory Control Sample Duplicate (2E17065-BSD1)										
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**50.6**	0.20	mg/kg wet	50.0		101	80-120	1	20	
Matrix Spike (2E17065-MS1)					**Source: 1205433-21**					
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**102**	0.23	mg/kg dry	57.7	87.4	26	75-125			Q-02
Matrix Spike (2E17065-MS2)					**Source: 1205433-31**					
Prepared & Analyzed: 05/17/12 12:10										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**121**	0.22	mg/kg dry	55.3	140	-35	75-125			Q-02

NA

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E17065-MSD1) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**170**	0.24	mg/kg dry	60.0	87.4	138	75-125	50	20	Q-02, Q-04
Matrix Spike Duplicate (2E17065-MSD2) Prepared & Analyzed: 05/17/12 12:10					**Source: 1205433-31**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**172**	0.22	mg/kg dry	55.3	140	57	75-125	34	20	Q-02, Q-04

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/18/12 16:39

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-04	The RPD of this analyte between the MS(s) was outside of the acceptable range. The RPD of this same analyte between the LCS(s) was within the acceptable range.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
Q-22	The RPD between the MS(s) sample analyses was outside the acceptable range. This indicates the result was not as precise as expected.
Q-34	The accuracy of this analysis as indicated by matrix spike recovery is inconclusive since both high and low recoveries were observed. No statement in regard to bias can be made.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1205433 consists of:

- [x] This signature page, the laboratory review checklist, and the following reportable data:
- [x] **R1** Field chain-of-custody documentation;
- [x] **R2** Sample identification cross-reference;
- [x] **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- [x] **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- [x] **R5** Test reports/summary forms for blank samples;
- [x] **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- [x] **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- [x] **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- [x] **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- [x] **R10** Other problems or anomalies.
- [x] The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	05/18/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**05/18/12**
Project Name:	**Exide Technologies**	Laboratory Job Number:	**1205433**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2E17061,2E17063,2E17064,2E17065**

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?		X			E002
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked)

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**05/18/12**
Project Name:	**Exide Technologies**	**Laboratory Job**	**1205433**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2E17061,2E17063,2E17064,2E17065**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (14%) was outside acceptance limits (75-125) in 2E17063-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205433-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-2160%) was outside acceptance limits (75-125) in 2E17063-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205433-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (55%) was outside acceptance limits (75-125) in 2E17063-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205433-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-4300%) was outside acceptance limits (75-125) in 2E17063-MSD2 for Pb Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. This indicates a low bias to the result presented for the source sample (1205433-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (26%) was outside acceptance limits (75-125) in 2E17065-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. No statement in regard to bias can be made since both high and low recoveries were observed. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (-35%) was outside acceptance limits (75-125) in 2E17065-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205433-31) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (138%) was outside acceptance limits (75-125) in 2E17065-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. No statement in regard to bias can be made since both high and low recoveries were observed. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (57%) was outside acceptance limits (75-125) in 2E17065-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205433-31) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.
E002	Matrix Spike Duplicate RPD for Lead (48%) was above the acceptance limit (20) in 2E17063-MSD2 for Pb Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. This indicates the result was not as precise as expected for the source sample (1205433-11) reported from this batch. The RPD of this same analyte between the LCS(s) was within the acceptable range. Matrix Spike Duplicate RPD for Lead (50%) was above the acceptance limit (20) in 2E17065-MSD1 for Pb Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. This indicates the result was not as precise as expected for the source sample (1205433-21) reported from this batch. The RPD of this same analyte between the LCS(s) was within the acceptable range. Matrix Spike Duplicate RPD for Lead (34%) was above the acceptance limit (20) in 2E17065-MSD2 for Pb Total ICP 6010B - The RPD of this analyte between the MS(s) was outside of the acceptable range. This indicates the result was not as precise as expected for the source sample (1205433-31) reported from this batch. The RPD of this same analyte between the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

~~The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.~~

Page: 1 of 4

1562118

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW	Report To: matt.sutherland@pbwllc.com	Attention:
Address: 2201 Double Creek Dr. Suite 4004	Copy To: eric.pastor@pbwllc.com; Jen.bush@pbwllc.com	Company Name:
Email To: Eric.pastor@pbwllc.com	Purchase Order No.:	Address:
Phone: 512-671-3434 Fax:	Project Name: Eagle technologies	Pace Quote Reference:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Requested Analysis Filtered (Y/N)

Section D Required Client Information

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 /,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total metals (6 only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-15(0-3)N	SL	G	5/15/12	1710				1	X								X		12054332-01
2	M-15(0-3)W				1715													X		12054332-02
3	M-15(0-3)S				1720													X		12054332-03
4	M-15(0-3)E				1725													X		12054332-04
5	M-15(3-6)				1735													X		12054332-05
6	M-15(6-12)				1740													X		12054332-06
7	M-17(3-6)	SL	G	5/16/12	755				1	X								X		12054332-07
8	M-17(6-12)				800													X		12054332-08
9	M-16(3-6)				815													X		12054332-09
10	M-16(0-3)E				855													X		12054332-10
11	M-16(0-3)W				845													X		12054332-11
12	M-16(0-3)N				850													X		12054332-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold remaining samples until PBW approves disposal	Matt Sutherland	5/16/12	1622	Edgar A. Gonzalez	5/16/12	1622				
24hr Rush TRRP Reporting	Edgar A. Gonzalez	5/16/12	1656	Melissa McCully	5/16/12	1656	08°	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 2 of 4

1562132

Section A Required Client Information:

Company:

Address:

Email To:

Phone: Fax:

Requested Due Date/TAT: 24 hr. Rush

Section B Required Project Information:

Report To:

Copy To: SAME

Purchase Order No.:

Project Name:

Project Number:

Section C Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9/,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE (see valid codes to left)	MATRIX CODE	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N ↓ Analysis Test ↓ Total Metals (Phony)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	N-16(0-3)S	Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	SL	G	5/16/12	900			4	1	X								X		12054313
2	N-16(3-6)		SL	G		905				1	X								X		12054314
3	O-15(3-6)		SL			945				1	X								X		12054315
4	O-15(6-12)					950				1	X								X		12054316
5	O-15(0-3)N					1000				1	X								X		12054317
6	O-15(0-3)E					1005				1	X								X		12054318
7	O-15(0-3)W					1025				1	X								X		12054319
8	O-15(0-3)S					1030				1	X								X		12054320
9	M-14(3-6)					1105				1	X								X		12054321
10	M-14(6-12)					1110				1	X								X		12054322
11	M-12(0-3)N					1140				1	X								X		12054323
12	M-12(0-3)E					1145				1	X								X		12054324

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
TRRP Reporting	Matt Sutherland	5/16/12	1627		05/16/12	1622	
24 hr Rush analysis	Edgar A. Gonzalez	05/16/12	1455 (1655) MM 5-16-12	Melissa McCully	5-16-12	1655	0.8 Y Y Y
Do not discard until notified							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
0.8	Y	Y	Y

ORIGINAL

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CHAIN-OF-CUSTODY / Analytical Request Document

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1562133

Section A Required Client Information:

Company:	
Address:	
Email To:	
Phone:	Fax:
Requested Due Date/TAT:	24hr. Rush analysis

Section B Required Project Information:

Report To:	
Copy To:	SAME
Purchase Order No.:	
Project Name:	
Project Number:	

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total Metals (Phonly)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-12(0-3) W	SL	G	5/16/12	1150				1	X								X		1205433-25
2	M-12(0-3) S				1155				1									X		1205433-26
3	N-12(0-3) N				1400				1									X		1205433-27
4	N-12(0-3) E				1405				1									X		1205433-28
5	N-12(0-3) S				1410				1									X		1205433-29
6	N-12(0-3) W				1415				1									X		1205433-30
7	N-11(0-3) E				1430				1									X		1205433-31
8	N-11(0-3) S				1435				1									X		1205433-32
9	N-11(0-3) W				1440				1									X		1205433-33
10	N-11(0-3) N				1445				1									X		1205433-34
11	I-18(0-3) E				1545				1									X		1205433-35
12	I-18(0-3) S				1550				1									X		1205433-36

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Sitterlund	5/16/12	1622	Edyn A. Grant	5/16/12	1622		IRO1 DC		
24hr rush	Edyn A. Grant	5/16/2012	1750 mm 5-16-12	Melissa Culley	5/16/12	1656	0.8	Y	Y	Y
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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Page: 4 of 4

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To: SAME	Company Name:
Email To:	Purchase Order No.:	Address:
Phone: Fax:	Project Name:	Pace Quote Reference:
Requested Due Date/TAT: 24Hr Rush	Project Number:	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 /, -) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	I-18 (6-12)	SL	G	5/16/12	1535				1	X								Y	X		12054333-37
2	I-18 (3-6)				1540				1	X								Y	X		12054333-38
3	I-18 (0-3) W				1555				1	X								Y	X		12054333-39
4	I-18 (0-3) N				1600				1	X								Y	X		12054333-40
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Sutherland	5/16/12	1622	Edyn A. Gonzalez	5/16/2012	1622	0.8 FROI			
24hr Rush	Edyn A. Gonzalez	5/16/2012	1656	Melissa McCullough	5/16/12	1656	0.8	Y	Y	Y
Do not Dispose										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

120533

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	PBW, Inc	DATE 05/16/2012
	ADDRESS		SUITE
	CITY	Irving, TX	
	REFERENCE NO.		
CONSIGNEE	NAME	Pace Analytical	
	ADDRESS	400 West Bethany Drive	SUITE 190
	CITY	Allen, TX 75013	
	ATTN:		

Falcon Charges: ☐ PREPAID ☐ COLLECT ☐ ROUND TRIP ☐ NIGHT-WEEKEND

Type of Delivery: ☐ X-Press ☐ 2 HOUR ☐ 4 HOUR ☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES
40	samples		WEIGHT CHARGE
			WAITING TIME CHG
			DELIVERY CHARGE
			TOTAL CHARGES

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL	RECEIVED BY	RECEIVED BY
Edgar Gesser	Edgar Gesser	4:56pm	X	X

FROM: Steve

TO:

5-16-12

Pace Analytical®
www.pacelabs.com
972-727-1123
400 W. Bethany Dr., Suite 190
Allen, TX 75013

Lab Number(s): 1205433

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	40	4oz	Cool Note: please check if collected in pre-weighed vials_____	9/av	

Metals Preserved By Login □yes □no Trip Blanks Received □yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5/16/12 (Date) 1741 (Time)

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 4

1562118

Section A Required Client Information:

Company:	PBW
Address:	2201 Double Creek Dr. Suite 4004
Email To:	Eric.pastor@pbwllc.com
Phone: 512-671-3434	Fax:
Requested Due Date/TAT:	24hr Rush

Section B Required Project Information:

Report To:	matt.sutherland@pbwllc.com
Copy To:	eric.pastor@pbwllc.com; Jen.bush@pbwllc.com
Purchase Order No.:	
Project Name:	Eagle technologies
Project Number:	1788

Section C Invoice Information:

Attention:	
Company Name:	
Address:	
Pace Quote Reference:	
Pace Project Manager:	
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-15(0-3)N	SL	G	5/15/12	1710				1	X								X	X		1205433-01
2	M-15(0-3)W				1715													X	X		1205433-02
3	M-15(0-3)S				1720													X	X		1205433-03
4	M-15(0-3)E				1725													X	X		1205433-04
5	M-15(3-6)				1735													X	X		1205433-05
6	M-15(6-12)			↓	1740				↓	↓								X	X		1205433-06
7	M-17(3-6)	SL	G	5/16/12	755				1	X								X	X		1205433-07
8	M-17(6-12)				800													X	X		1205433-08
9	M-16(3-6)				815				1									X	X		1205433-09
10	N-16(0-3)E				855				1									X	X		1205433-10
11	N-16(0-3)W				845				1									X	X		1205433-11
12	N-16(0-3)N	↓	↓	↓	850				1	↓								X	X		1205433-12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Hold remaining sample material until PBW approves disposal	Matt Sutherland	5/16/12	1622	Edgar A. Gonzalez	05/16/12	1622				
24hr Rush TRRP Reporting	Edgar A. Gonzalez	05/16/12	1656	Melissa McCully	5/16/12	1656	08°	Y	Y	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

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www.pacelabs.com

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 2 of 4

1562132

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To: SAME	Company Name:
	Purchase Order No.:	Address:
Email To:	Project Name:	Pace Quote Reference:
Phone: Fax:	Project Number:	Pace Project Manager:
Requested Due Date/TAT: 24 hr. Rush		Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Total metals (Phony)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	N-16(0-3)S	SL	G	5/16/12	900			ok	1	X									X		12054313
2	N-16 (3-6)	SL	G		905				1	X									X		12054314
3	O-15 (3-6)	SL			945				1	X									X		12054315
4	O-15 (6-12)				950				1	X									X		12054316
5	O-15 (0-3) N				1000				1	X									X		12054317
6	O-15 (0-3) E				1005				1	X									X		12054318
7	O-15 (0-3) W				1025				1	X									X		12054319
8	O-15 (0-3) S				1030				1	X									X		12054320
9	M-14 (3-6)				1105				1	X									X		12054321
10	M-14 (6-12)				1110				1	X									X		12054322
11	M-12 (0-3) N				1140				1	X									X		12054323
12	M-12 (0-3) E				1145				1	X									X		12054324

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Sutherland	5/16/12	1622		05/16/12	1622				
24 hr Rush analysis	Edgar A. Gonzalez	05/16/12	1655 1655 MM 5-16-12	Melissa M. Ridley	5-16-12	1655 1655	0.8°	Y	Y	Y
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 3 of 4

1562133

Section A Required Client Information:

Company:
Address:
Email To:
Phone: Fax:
Requested Due Date/TAT: 24hr. Rush results

Section B Required Project Information:

Report To:
Copy To: SAME
Purchase Order No.:
Project Name:
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	M-12(0-3) W	SL	G	5/16/12	1150				1	X								X	X		1205433-25
2	M-12(0-3) S				1155				1									X	X		1205433-26
3	N-12(0-3) N				1400				1									X	X		1205433-27
4	N-12(0-3) E				1405				1									X	X		1205433-28
5	N-12(0-3) S				1410				1									X	X		1205433-29
6	N-12(0-3) W				1415				1									X	X		1205433-30
7	N-11(0-3) E				1430				1									X	X		1205433-31
8	N-11(0-3) S				1435				1									X	X		1205433-32
9	N-11(0-3) W				1440				1									X	X		1205433-33
10	N-11(0-3) N				1445				1									X	X		1205433-34
11	I-18(0-3) E				1545				1									X	X		1205433-35
12	I-18(0-3) S	SL	G	5/16/12	1550				1	X								X	X		1205433-36

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Shackford	5/16/12	1622	Edyn A. Grant	5/16/12	1622		IR01 DC		
24hr rush	Edyn A. Grant	5/16/12	1650 1550 MM 5-16-12	Melissa Cuiley	5/16/12	1650	0.8	Y	X	Y
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 4 of 4

1562134

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To: SAME	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24Hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Analysis Test: Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	I-18 (6-12)	SL	G	5/16/12	1535				1	X								X	X		1205433-37
2	I-18 (3-6)				1540				1									X	X		1205433-38
3	I-18 (0-3) W				1555				1									X	X		1205433-39
4	I-18 (0-3) N				1600				1									X	X		1205433-40
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Sutherland	5/16/12	1622	Edyn A. Gonzalez	5/16/2012	1622				
24hr Rush	Edyn A. Gonzalez	5/16/2012	1656	Melissa McCullough	5/16/12	1656	0.8	Y	Y	Y
Do not Dispose										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

1205433

Falcon X-Press We Deliver

P.O. BOX 940303
PLANO, TX 75094-0303
(972) 881-7577

NOTARY SERVICE AVAILABLE

No.

SHIPPER	NAME	PBW, Inc	DATE 05/16/2012
	ADDRESS		SUITE
	CITY	Frisco, TX	
	REFERENCE NO.		
CONSIGNEE	NAME	Pace Analytical	
	ADDRESS	4800 West Bethany Drive	SUITE 190
	CITY	Allen, TX 75013	
	ATTN:		

Falcon Charges: ☐ PREPAID ☐ COLLECT ☐ ROUND TRIP ☐ NIGHT-WEEKEND

Type of Delivery: ☐ X-Press ☐ 2 HOUR ☐ 4 HOUR ☐ NEXT DAY

NO. PCS.	DESCRIPTION AND REMARKS	WEIGHT	CHARGES	
40	Samples		WEIGHT CHARGE	
			WAITING TIME CHG	
			DELIVERY CHARGE	
			TOTAL CHARGES	

WAITING TIME

NOT RESPONSIBLE FOR FREIGHT CLAIMS AFTER 72 HRS. NOT RESPONSIBLE FOR CONCEALED DAMAGE, DUE AND PAYABLE PLANO, COLLIN COUNTY, TEXAS

$50 DECLARED VALUE UNLESS SPECIFIED HERE $

DRIVER NAME & NO.	DRIVER NAME & NO.	TIME OF DEL.	RECEIVED BY	RECEIVED BY
Edgar Gessa	Edgar Gessa	4:56pm	X	X

FROM: Steve

TO:

5-16-12

Pace Analytical®
www.pacelabs.com
972-727-1123
4. Bethany Dr., Suite 190
Allen, TX 75013

Lab Number(s): 120533

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	40	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login □yes □no Trip Blanks Received □yes ☑no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5/16-12 Date 1741 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Attached is our analytical report for the samples received for your project. Below is a list of your individual sample descriptions with our corresponding laboratory number. We also have enclosed a copy of the Chain of Custody that was received with your samples and a form documenting the condition of your samples upon arrival. Please note any unused portion of the samples may be discarded upon expiration of the EPA holding time for the analysis performed or after 30 days from the above report date, unless you have requested otherwise.

PACE Analytical Services, Inc. certifies that all results contained in this report were produced in accordance with the requirements of the National Environmental Laboratory Accreditation Program (NELAP) unless otherwise noted. The results presented apply to the samples analyzed in accordance with the chain-of-custody document(s) furnished with the samples. This report is intended for the sole use of the customer for whom the work was performed and must be reproduced, without modification, in its entirety.

Sample Identification

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205456-01	D-10 (3-6)	Solid	05/16/12 17:05	05/17/12 14:40
1205456-02	D-10 (6-12)	Solid	05/16/12 16:50	05/17/12 14:40
1205456-03	D-10 (0-3) E	Solid	05/16/12 17:10	05/17/12 14:40
1205456-04	D-10 (0-3) S	Solid	05/16/12 17:15	05/17/12 14:40
1205456-05	D-10 (0-3) W	Solid	05/16/12 17:20	05/17/12 14:40
1205456-06	E-10 (3-6)	Solid	05/17/12 08:05	05/17/12 14:40
1205456-07	E-10 (6-12)	Solid	05/17/12 08:00	05/17/12 14:40
1205456-08	E-10 (0-3) E	Solid	05/17/12 08:15	05/17/12 14:40
1205456-09	E-10 (0-3) W	Solid	05/17/12 08:20	05/17/12 14:40
1205456-10	E-10 (0-3) N	Solid	05/17/12 08:25	05/17/12 14:40
1205456-11	E-9 (6-12)	Solid	05/17/12 08:55	05/17/12 14:40
1205456-12	E-9 (3-6)	Solid	05/17/12 09:00	05/17/12 14:40
1205456-13	E-9 (0-3) E	Solid	05/17/12 09:10	05/17/12 14:40
1205456-14	E-9 (0-3) S	Solid	05/17/12 09:15	05/17/12 14:40
1205456-15	E-9 (0-3) W	Solid	05/17/12 09:20	05/17/12 14:40
1205456-16	E-9 (0-3) N	Solid	05/17/12 09:25	05/17/12 14:40
1205456-17	D-9 (0-3) S	Solid	05/17/12 10:05	05/17/12 14:40
1205456-18	D-9 (6-12)	Solid	05/17/12 09:50	05/17/12 14:40
1205456-19	D-9 (3-6)	Solid	05/17/12 09:55	05/17/12 14:40

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Sample Identification (continued)

Laboratory ID #	Client Sample ID	Matrix	Sampled Date/Time	Received Date/Time
1205456-20	D-9 (0-3) W	Solid	05/17/12 10:10	05/17/12 14:40
1205456-21	D-9 (0-3) N	Solid	05/17/12 10:15	05/17/12 14:40
1205456-22	D-9 (0-3) E	Solid	05/17/12 10:20	05/17/12 14:40
1205456-23	C-9 (6-12)	Solid	05/17/12 10:55	05/17/12 14:40
1205456-24	C-9 (3-6)	Solid	05/17/12 11:00	05/17/12 14:40
1205456-25	C-9 (0-3) S	Solid	05/17/12 11:10	05/17/12 14:40
1205456-26	C-9 (0-3) E	Solid	05/17/12 11:15	05/17/12 14:40
1205456-27	C-9 (0-3) N	Solid	05/17/12 11:20	05/17/12 14:40
1205456-28	C-9 (0-3) W	Solid	05/17/12 11:25	05/17/12 14:40
1205456-29	D-8 (6-12)	Solid	05/17/12 11:50	05/17/12 14:40
1205456-30	D-8 (3-6)	Solid	05/17/12 11:55	05/17/12 14:40
1205456-31	D-8 (0-3) E	Solid	05/17/12 12:05	05/17/12 14:40
1205456-32	D-8 (0-3) S	Solid	05/17/12 12:10	05/17/12 14:40
1205456-33	D-8 (0-3) W	Solid	05/17/12 12:15	05/17/12 14:40
1205456-34	D-8 (0-3) N	Solid	05/17/12 12:20	05/17/12 14:40
1205456-35	E-8 (6-12)	Solid	05/17/12 12:40	05/17/12 14:40
1205456-36	E-8 (3-6)	Solid	05/17/12 12:45	05/17/12 14:40
1205456-37	E-8 (0-3) N	Solid	05/17/12 12:55	05/17/12 14:40
1205456-38	E-8 (0-3) W	Solid	05/17/12 13:00	05/17/12 14:40
1205456-39	E-8 (0-3) S	Solid	05/17/12 13:05	05/17/12 14:40
1205456-40	E-8 (0-3) E	Solid	05/17/12 13:10	05/17/12 14:40

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Thank you for the opportunity to serve your environmental chemistry analysis needs. If you have any questions or concerns regarding this report please contact our Customer Service Department at the phone number below.

Respectfully submitted,

Shelly Connelly

Shelly Connelly
Client Services Manager

Arkansas: 88-0647
Oklahoma: 8727
Louisiana: 02007
Kansas: E-10388
Texas: T104704232-11-3

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

www.pacelabs.com

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-01
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: D-10 (3-6)
Sample Date/Time: 05/16/12 1705

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**219**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 1955	SPS	Q-21

MK
6-21-12

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-02
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-10 (6-12)
Sample Date/Time: 05/16/12 1650

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**74.9**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2002	SPS	

nkl
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-03
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-10 (0-3) E
Sample Date/Time: 05/16/12 1710

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**241**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2008	SPS	

NKT
6-21-13

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-04
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-10 (0-3) S
Sample Date/Time: 05/16/12 1715

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**354**	0.07	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2014	SPS	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-05
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-10 (0-3) W
Sample Date/Time: 05/16/12 1720

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**202**	0.06	0.42	mg/kg dry	1.00	M4	2E18007	05/18/12 2021	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-06
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-10 (3-6)
Sample Date/Time: 05/17/12 0805

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**103**	0.06	0.42	mg/kg dry	0.99	M4	2E18007	05/18/12 2027	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-07
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-10 (6-12)
Sample Date/Time: 05/17/12 0800

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**83**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**17.0**	0.06	0.42	mg/kg dry	0.99	M4	2E18007	05/18/12 2034	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-08
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-10 (0-3) E
Sample Date/Time: 05/17/12 0815

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**751**	0.07	0.42	mg/kg dry	0.99	M4	2E18007	05/18/12 2040	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-09
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-10 (0-3) W
Sample Date/Time: 05/17/12 0820

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**369**	0.06	0.42	mg/kg dry	1.00	M4	2E18007	05/18/12 2047	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-10
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-10 (0-3) N
Sample Date/Time: 05/17/12 0825

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**616**	0.06	0.42	mg/kg dry	1.00	M4	2E18007	05/18/12 2053	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-11
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-9 (6-12)
Sample Date/Time: 05/17/12 0855

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**84**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead JL-MS/SD	**48.3**	0.06	0.42	mg/kg dry	0.98	M4	2E18007	05/18/12 2115	SPS	Q-21 ECS

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-12
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-9 (3-6)
Sample Date/Time: 05/17/12 0900

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**171**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2122	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-13
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: E-9 (0-3) E
Sample Date/Time: 05/17/12 0910

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**402**	0.07	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2128	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-14
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-9 (0-3) S
Sample Date/Time: 05/17/12 0915

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**329**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2135	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-15
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-9 (0-3) W
Sample Date/Time: 05/17/12 0920

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**257**	0.07	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2141	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-16
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-9 (0-3) N
Sample Date/Time: 05/17/12 0925

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**286**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2148	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-17
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-9 (0-3) S
Sample Date/Time: 05/17/12 1005

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**308**	0.06	0.42	mg/kg dry	1.00	M4	2E18007	05/18/12 2154	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-18
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-9 (6-12)
Sample Date/Time: 05/17/12 0950

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	51.02	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**22.5**	0.06	0.42	mg/kg dry	1.02	M4	2E18007	05/18/12 2201	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-19
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-9 (3-6)
Sample Date/Time: 05/17/12 0955

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**68.5**	0.06	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2207	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-20
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: D-9 (0-3) W
Sample Date/Time: 05/17/12 1010

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E21045	05/21/12 0657	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18007	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**211**	0.07	0.42	mg/kg dry	1.01	M4	2E18007	05/18/12 2214	SPS	

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Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-21
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: D-9 (0-3) N
Sample Date/Time: 05/17/12 1015

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead JL - MS/SD	**227**	0.06	0.42	mg/kg dry	0.99	M4	2E18008	05/18/12 2236	SPS	Q-21 ECS

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-22
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-9 (0-3) E
Sample Date/Time: 05/17/12 1020

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**296**	0.07	0.42	mg/kg dry	0.98	M4	2E18008	05/18/12 2242	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-23
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: C-9 (6-12)
Sample Date/Time: 05/17/12 1055

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**17.7**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/18/12 2249	SPS	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-24
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: C-9 (3-6)
Sample Date/Time: 05/17/12 1100

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.02	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**123**	0.06	0.42	mg/kg dry	0.98	M4	2E18008	05/18/12 2255	SPS	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-25
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: C-9 (0-3) S
Sample Date/Time: 05/17/12 1110

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**231**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/18/12 2302	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-26
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: C-9 (0-3) E
Sample Date/Time: 05/17/12 1115

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**171**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/18/12 2308	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-27
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: C-9 (0-3) N
Sample Date/Time: 05/17/12 1120

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**78**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**143**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/18/12 2315	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-28
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: C-9 (0-3) W
Sample Date/Time: 05/17/12 1125

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**191**	0.07	0.42	mg/kg dry	1.00	M4	2E18008	05/18/12 2321	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-29
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-8 (6-12)
Sample Date/Time: 05/17/12 1150

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**80**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**28.5**	0.06	0.42	mg/kg dry	1.01	M4	2E18008	05/18/12 2327	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-30
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-8 (3-6)
Sample Date/Time: 05/17/12 1155

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**40.0**	0.06	0.42	mg/kg dry	1.01	M4	2E18008	05/18/12 2334	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-31
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: D-8 (0-3) E
Sample Date/Time: 05/17/12 1205

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	49.50	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead JL-MS/SD	**181**	0.06	0.42	mg/kg dry	0.99	M4	2E18008	05/21/12 0935	SPS	Q-21 ECS

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-32
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-8 (0-3) S
Sample Date/Time: 05/17/12 1210

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**76**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**165**	0.07	0.42	mg/kg dry	1.01	M4	2E18008	05/21/12 0941	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-33
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-8 (0-3) W
Sample Date/Time: 05/17/12 1215

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**81**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**123**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 0947	SPS	

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ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-34
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: D-8 (0-3) N
Sample Date/Time: 05/17/12 1220

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**146**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 0954	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-35
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-8 (6-12)
Sample Date/Time: 05/17/12 1240

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**16.7**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 1000	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-36
Sample Type: Grab
Sample Description: E-8 (3-6)
Matrix: Solid
Sample Date/Time: 05/17/12 1245
Sample Collected By: Matt Sutherland
Customer

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**82**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**27.0**	0.06	0.42	mg/kg dry	1.01	M4	2E18008	05/21/12 1007	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-37
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-8 (0-3) N
Sample Date/Time: 05/17/12 1255

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**75**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**157**	0.07	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 1013	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-38
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-8 (0-3) W
Sample Date/Time: 05/17/12 1300

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**70**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**133**	0.07	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 1019	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-39
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland — Customer
Sample Description: E-8 (0-3) S
Sample Date/Time: 05/17/12 1305

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**79**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.00	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**158**	0.06	0.42	mg/kg dry	1.00	M4	2E18008	05/21/12 1026	SPS	

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Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Laboratory ID #: 1205456-40
Sample Type: Grab
Matrix: Solid
Sample Collected By: Matt Sutherland
Customer
Sample Description: E-8 (0-3) E
Sample Date/Time: 05/17/12 1310

Analyte(s)	Result	SDL	MQL	Units	F*	Inst	Batch	Analysis Date/Time	Anlst	Flag
Conventional Chemistry Parameters, SM 2540G										
% Solids	**77**	0.040	0.2	%	1.00	W3	2E21046	05/21/12 0659	BLF	
Metals (Total), EPA 3050B										
Acid Digestion of Sludges/Solids	**Completed**	N/A	N/A	-	50.51	DB1	2E18008	05/18/12 0813	SPS	
Metals (Total), EPA 6010B										
Lead	**191**	0.07	0.42	mg/kg dry	1.01	M4	2E18008	05/21/12 1032	SPS	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Conventional Chemistry Parameters - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E21045-BLK1)										
Prepared & Analyzed: 05/21/12 06:57										
% Solids	**ND**	0.040	%							
Duplicate (2E21045-DUP1)										
Prepared & Analyzed: 05/21/12 06:57					**Source: 1205456-01**					
% Solids	**81**	0.040	%		81			0	7	
Duplicate (2E21045-DUP2)										
Prepared & Analyzed: 05/21/12 06:57					**Source: 1205456-11**					
% Solids	**84**	0.040	%		84			0.5	7	
Blank (2E21046-BLK1)										
Prepared & Analyzed: 05/21/12 06:59										
% Solids	**ND**	0.040	%							
Duplicate (2E21046-DUP1)										
Prepared & Analyzed: 05/21/12 06:59					**Source: 1205456-21**					
% Solids	**80**	0.040	%		80			0.4	7	
Duplicate (2E21046-DUP2)										
Prepared & Analyzed: 05/21/12 06:59					**Source: 1205456-31**					
% Solids	**82**	0.040	%		82			0	7	

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Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Blank (2E18007-BLK1) Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.05	mg/kg wet							
Laboratory Control Sample (2E18007-BS1) Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**53.0**	0.05	mg/kg wet	50.0		106	80-120			
Laboratory Control Sample Duplicate (2E18007-BSD1) Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**53.0**	0.05	mg/kg wet	50.0		106	80-120	0	20	
Matrix Spike (2E18007-MS1) Prepared & Analyzed: 05/18/12 08:13					**Source: 1205456-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**253**	0.06	mg/kg dry	58.9	219	58	75-125			Q-02 NA
Matrix Spike (2E18007-MS2) Prepared & Analyzed: 05/18/12 08:13					**Source: 1205456-11**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**51.6**	0.06	mg/kg dry	57.0	48.3	6	75-125			Q-02
Matrix Spike Duplicate (2E18007-MSD1) Prepared & Analyzed: 05/18/12 08:13					**Source: 1205456-01**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**271**	0.06	mg/kg dry	60.1	219	87	75-125	7	20	NA

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Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
Phone: 972-727-1123

Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E18007-MSD2)					**Source: 1205456-11**					
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**53.7**	0.06	mg/kg dry	58.1	48.3	9	75-125	4	20	Q-02
Blank (2E18008-BLK1)										
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-							
Lead	**ND**	0.05	mg/kg wet							
Laboratory Control Sample (2E18008-BS1)										
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0			
Lead	**53.2**	0.05	mg/kg wet	50.0		106	80-120			
Laboratory Control Sample Duplicate (2E18008-BSD1)										
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-				0-0		0	
Lead	**53.8**	0.05	mg/kg wet	50.0		108	80-120	1	20	
Matrix Spike (2E18008-MS1)					**Source: 1205456-21**					
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**232**	0.06	mg/kg dry	62.7	227	7	75-125			Q-02
Matrix Spike (2E18008-MS2)					**Source: 1205456-31**					
Prepared & Analyzed: 05/18/12 08:13										
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0			
Lead	**212**	0.06	mg/kg dry	59.9	181	53	75-125			Q-02

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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Metals (Total) - Quality Control

Analyte(s)	Result	*SDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
Matrix Spike Duplicate (2E18008-MSD1) Prepared & Analyzed: 05/18/12 08:13					**Source: 1205456-21**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**249**	0.06	mg/kg dry	60.8	**227**	35	75-125	7	20	Q-02
Matrix Spike Duplicate (2E18008-MSD2) Prepared & Analyzed: 05/18/12 08:13					**Source: 1205456-31**					
Acid Digestion of Sludges/Solids	**Completed**	N/A	-		ND		0-0		0	
Lead	**213**	0.06	mg/kg dry	59.9	181	54	75-125	0.3	20	Q-02

NA

Pace Analytical Services, Inc.
400 W. Bethany Rd. Suite 190
Allen, TX. 75013
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Report of Sample Analysis

Pastor, Behling and Wheeler LLC.
2201 Double Creek Dr., Suite 4004
Round Rock, TX 78664
ATTN: Eric Pastor

Project: Exide Technologies
Project #: 1788 (PBW Job#)
Print Date/Time: 05/21/12 15:52

Notes and Definitions

The results presented in this report were generated using those methods given in 40 CFR Part 136 for Water and Wastewater samples and in SW-846 for RCRA/Solid Waste samples.

Q-02	The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. The recovery of this analyte in the LCS(s) was within the acceptable range.
Q-21	The recovery of this analyte in the MS was lower than the acceptable range. This indicates a low bias to the result presented.
ND	Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
MS/MSD	Matrix Spike/Matrix Spike Duplicate
RPD	Relative Percent Difference
mg/kg	milligrams per kilogram
mg/l	milligrams per liter
ug/kg	micrograms per kilogram
ug/l	micrograms per liter
exc	Not covered under scope of NELAP accreditation.
F*	Calculated factor rounded to 3 significant figures. Concentration factor when <1.00 and dilution factor when >1.00.
Inst	Instrument Identification
Anlst	Analyst Initials
SDL	Sample Detection Limit
MQL	Method Quantitation Limit
naa	This analysis/parameter is not accreditable under the current NELAP program

Laboratory Data Package Cover Page

This data package for Laboratory Job Number 1205456 consists of:

- ☑ This signature page, the laboratory review checklist, and the following reportable data:
- ☑ **R1** Field chain-of-custody documentation;
- ☑ **R2** Sample identification cross-reference;
- ☑ **R3** Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☑ **R4** Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☑ **R5** Test reports/summary forms for blank samples;
- ☑ **R6** Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☑ **R7** Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☑ **R8** Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☑ **R9** List of method quantitation limits (MQLs) for each analyte for each method and matrix;
- ☑ **R10** Other problems or anomalies.
- ☑ The Exception Report for every "No" or "Not Reviewed (NR)" item in laboratory review checklist.

Release Statement: I am responsible for the release of this laboratory data package. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld that would affect the quality of the data.

Check, if applicable: [ ] This laboratory is an in-house laboratory controlled by the person responding to rule. The official signing the cover page of the rule-required report (for example, the APAR) in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

Shelly Connelly	Shelly Connelly	Client Services Manager	05/21/12
Name (Printed)	Signature	Official Title (Printed)	Date

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	LRC Date:	**05/21/12**
Project Name:	**Exide Technologies**	Laboratory Job Number:	**1205456**
Reviewer Name:	**Leslie Underwood**	Prep Batch Number(s):	**2E18007,2E18008,2E21045,2E21046**

# [1]	A [2]	Description	Yes	No	NA [3]	NR [4]	ER# [5]
R1	O/I	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	O/I	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	O/I	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample quantitation limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	O/I	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	O/I	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	O/I	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			E001
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	O/I	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	O/I	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs included in the laboratory data package?	X				
R10	O/I	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Reportable Data

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**05/21/12**
Project Name:	**Exide Technologies**	**Laboratory Job**	**1205456**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2E18007,2E18008,2E21045,2E21046**

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL):**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 1 appendix A glossary, and section 5.12 or ISO/IEC 17025 section**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5C or ISO/IEC 4?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chap 5 or ISO/IEC 17025 Section 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports

Laboratory Name:	**PACE Analytical Services, Inc.**	**LRC Date:**	**05/21/12**
Project Name:	**Exide Technologies**	**Laboratory Job**	**1205456**
Reviewer Name:	**Leslie Underwood**	**Prep Batch Number(s):**	**2E18007,2E18008,2E21045,2E21046**

ER# [1]	Description
E001	Matrix Spike Recovery for Lead (58%) was outside acceptance limits (75-125) in 2E18007-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-01) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (6%) was outside acceptance limits (75-125) in 2E18007-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (9%) was outside acceptance limits (75-125) in 2E18007-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-11) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (7%) was outside acceptance limits (75-125) in 2E18008-MS1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (53%) was outside acceptance limits (75-125) in 2E18008-MS2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-31) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (35%) was outside acceptance limits (75-125) in 2E18008-MSD1 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-21) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range. Matrix Spike Recovery for Lead (54%) was outside acceptance limits (75-125) in 2E18008-MSD2 for Pb Total ICP 6010B - The recovery of this analyte in the MS was outside the acceptable range due to interference, large dilutions required for analysis or a combination of these factors. This indicates a low bias to the result presented for the source sample (1205456-31) reported from this batch. The recovery of this analyte in the LCS(s) was within the acceptable range.

1. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 4

1562135

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: PBW	Report To: matt.sutherland@pbwllc.com	Attention:
Address: 2201 Double Creek Dr Suite 4004, Round Rock, TX 78665	Copy To: ervin.pastor@pbwllc.com Jen.best@pbwllc.com	Company Name:
Email To: ervin.pastor@pbwllc.com	Purchase Order No.:	Address:
Phone: 512(671)3434 Fax:	Project Name: Exide Technologies	Pace Quote Reference:
Requested Due Date/TAT: 24hr Rush	Project Number: 1788	Pace Project Manager:
		Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	D-10(3-6)	SL	G	5/16/12	705				1	X									X		12054556.01
2	D-10(6-12)				650				1										X		12054556.02
3	D-10(0-3)E				710				1										X		12054556.03
4	D-10(0-3)S				715				1										X		12054556.04
5	D-10(0-3)W				720				1										X		12054556.05
6	E-10(3-6)	SL	G	5-17-12	805				1										X		12054556.06
7	E-10(6-12)				800				1										X		12054556.07
8	E-10(0-3)E				815				1										X		12054556.08
9	E-10(0-3)W				820				1										X		12054556.09
10	E-10(0-3)N				825				1										X		12054556.10
11	E-9(6-12)				855				1										X		12054556.11
12	E-9(3-6)				900				1										X		12054556.12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
TRRP Reporting	Matt Sutherland	5/17/12	1440	Melissa McCullough	5-17-12	1440	5.2°C Y N Y
24hr rush.							
Do not discard till notified							

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland DATE Signed (MM/DD/YY): 5/17/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1562144

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

Section D Required Client Information

SAMPLE ID
(A-Z, 0-9 / ,-)
Sample IDs MUST BE UNIQUE

Matrix Codes — MATRIX / CODE
Drinking Water DW
Water WT
Waste Water WW
Product P
Soil/Solid SL
Oil OL
Wipe WP
Air AR
Tissue TS
Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-9(0-3)E	SL	G	5/17/12	910				1	X								Y	X		1205456-13
2	E-9(0-3)S				915				1									Y	X		1205456-14
3	E-9(0-3)W				920				1									Y	X		1205456-15
4	E-9(0-3)N				925				1									Y	X		1205456-16
5	D-9(0-3)S				1005				1									Y	X		1205456-17
6	D-9(6-D)				950				1									Y	X		1205456-18
7	D-9(3-6)				955				1									Y	X		1205456-19
8	D-9(0-3)W				1010				1									Y	X		1205456-20
9	D-9(0-3)N				1015				1									Y	X		1205456-21
10	D-9(0-3)E				1020				1									Y	X		1205456-22
11	C-9(6-D)				1055				1									Y	X		1205456-23
12	C-9(3-6)				1100				1									Y	X		1205456-24

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
TRRP Reporting	Matt Gutter	5/17/12	1440	Melissa McCullough	5-17-12	1440	3.2 °C	Y	Y/N MT 5-17-12	Y
24 hr Rush										
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Gutter

SIGNATURE of SAMPLER: Matt Gutter

DATE Signed (MM/DD/YY): 5/17/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

1562136

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N ↓ Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	C-9(0-3)S		SL	G	5/17/12	1110				1	X								X		1205456-25
2	C-9(0-3)E					1115				1									X		1205456-26
3	C-9(0-3)N					1120				1									X		1205456-27
4	C-9(0-3)W					1125				1									X		1205456-28
5	D-8(6-12)					1150				1									X		1205456-29
6	D-8(3-6)					1155				1									X		1205456-30
7	D-8(0-3)E					1205				1									X		1205456-31
8	D-8(0-3)S					1210				1									X		1205456-32
9	D-8(0-3)W					1215				1									X		1205456-33
10	D-8(0-3)N					1220				1									X		1205456-34
11	E-8(6-12)					1240				1									X		1205456-35
12	E-8(3-6)					1245				1									X		1205456-36

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
24 hr Rush	Matt Sutherland	5/17/12	1440	Melissa McCullough	5-17-12	1440	3.2°	Y	N	Y
TRRP Reporting										
Do not discard till notified										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland

DATE Signed (MM/DD/YY): 5/17/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: 4 of 4

1562137

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	Tot. Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-8(0-3)N		SL	G	5/17/12	1255				1	X								X	X		12054656.37
2	E-8(0-3) W					1300				1	X								X	X		12054656.38
3	E-8(0-3) S					1305				1	X								X	X		12054656.39
4	E-8(0-3) E					1310				1	X								X	X		12054656.40
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
24 hr Rush	Matt Sutherland	5/17/12	1440	Melissa McCully	5-17-12	1440	5.2	Y	N	Y
TRRP Reporting										
Do not discard until notified										

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5/17/12

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Lab Number(s): 1205456

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine □yes □no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials_____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine □yes □no Sulfide □yes □no □na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
~~Soil, Sludge, Solid,~~ Oil, Liquid	40	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login □yes □no Trip Blanks Received □yes □no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5-17-12 Date 1516 Time

1000.0-3.2 2/17/09 RW

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: 1 of 4

1562135

Section A Required Client Information:

Company: PBW
Address: 2201 Double Creek Dr Suite 4004, Round Rock, TX 78664
Email To: eric.pastor@pbwllc.com
Phone: 512(671)3434 Fax:
Requested Due Date/TAT: 24hr Rush

Section B Required Project Information:

Report To: matt.sutherland@pbwllc.com
Copy To: eric.pastor@pbwllc.com Jen.bell@pbwllc.com
Purchase Order No.:
Project Name: Exide Technologies
Project Number: 1788

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Requested Analysis Filtered (Y/N) Y/N	Analysis Test: Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	D-10(3-6)	SL	G	5/16/12	705				1	X								X	X		12054556.01
2	D-10(6-12)				650				1									X	X		12054556.02
3	D-10(0-3)E				710				1									X	X		12054556.03
4	D-10(0-3)S				715				1									X	X		12054556.04
5	D-10(0-3)W				720				1									X	X		12054556.05
6	E-10(3-6)	SL	G	5-17-12	805				1									X	X		12054556.06
7	E-10(6-12)				800				1									X	X		12054556.07
8	E-10(0-3)E				815				1									X	X		12054556.08
9	E-10(0-3)W				820				1									X	X		12054556.09
10	E-10(0-3)N				825				1									X	X		12054556.10
11	E-9(6-12)				855				1									X	X		12054556.11
12	E-9(3-6)				900				1									X	X		12054556.12

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
TRRP Reporting 24hr rush. Do not discard till notified	Matt Sutherland	5/17/12	1440	Melissa McCullough	5-17-12	1440	3.2°C Y N Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland

DATE Signed (MM/DD/YY): 5/17/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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1562144

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information: SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Y/N	Analysis Test: Total metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-9(0-3)E		SL	G	5/17/12	910				1	X									X		12054561
2	E-9(0-3)S					915				1										X		12054564
3	E-9(0-3)W					920				1										X		12054565
4	E-9(0-3)N					925				1										X		12054566
5	D-9(0-3)S					1005				1										X		12054567
6	D-9(6-12)					950				1										X		12054568
7	D-9(3-6)					955				1										X		12054569
8	D-9(0-3)W					1010				1										X		12054570
9	D-9(0-3)N					1015				1										X		12054571
10	D-9(0-3)E					1020				1										X		12054572
11	C-9(6-12)					1055				1										X		12054573
12	C-9(3-6)					1100				1	X									X		12054574

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
TRRP Reporting	Matt Gatlin	5/17/12	1440	Melissa McCullough	5-17-12	1440	3.2 °C	X	~~Y~~ N MC 5-17-12	Y
24 hr Rush										
Do not discard until notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Gatlin

SIGNATURE of SAMPLER: Matt Gatlin

DATE Signed (MM/DD/YY): 5/17/12

ORIGINAL

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Page: 3 of 4

1562136

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N: Total Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	C-9(0-3)S	SL	G	5/17/12	1110				1	X								X		12054556-25
2	C-9(0-3)E				1115				1									X		12054556-26
3	C-9(0-3)N				1120				1									X		12054556-27
4	C-9(0-3)W				1125				1									X		12054556-28
5	D-8(6-12)				1150				1									X		12054556-29
6	D-8(3-6)				1155				1									X		12054556-30
7	D-8(0-3)E				1205				1									X		12054556-31
8	D-8(0-3)S				1210				1									X		12054556-32
9	D-8(0-3)W				1215				1									X		12054556-33
10	D-8(0-3)N				1220				1									X		12054556-34
11	E-8(6-12)				1240				1									X		12054556-35
12	E-8(3-6)				1245				1									X		12054556-36

Matrix Codes — MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
24 hr Rush	Matt Sutherland	5/17/12	1440	Melissa McCullough	5-17-12	1440	3.2°	Y	N	Y
TRRP Reporting										
Do not discard till notified										

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: Matt Sutherland

DATE Signed (MM/DD/YY): 5/17/12

Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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Page: 4 of 4

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Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company:	Report To:	Attention:
Address:	Copy To:	Company Name:
		Address:
Email To:	Purchase Order No.:	Pace Quote Reference:
Phone: Fax:	Project Name:	Pace Project Manager:
Requested Due Date/TAT: 24 hr Rush	Project Number:	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information — SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	Matrix Codes: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ↓ Y/N	Tot. Metals (Pb only)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	E-8(0-3)N	SL	G	5/17/12	1255					1	X								X		12054566-37
2	E-8(0-3) W				1300					1	X								X		12054566-38
3	E-8(0-3) S				1305					1	X								X		12054566-39
4	E-8(0-3) E				1310					1	X								X		12054566-40
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
24 hr Rush	Matt Sutherland	5/17/12	1440	Melissa McCully	5-17-12	1440	5.2° Y N Y
TRRP Reporting							
Do not discard until notified							

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Matt Sutherland

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 5/17/12

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

Lab Number(s): 1205456

ERMI

Sample Preservation Documentation*

On Ice (Circle One): YES OR NO (check if on Dry Ice_____)

Parameters	Containers #	Size	Required Preservation	Sample Container	Circle pH Note any discrepancy
Metals			pH < 2	Glass or Plastic	pH < 2
Dissolved Metals			Unpreserved prior to being filtered, Cool**	Glass or Plastic	
Hexavalent Chromium			CWA - pH 9.3-9.7, Cool; RCRA - Cool	Glass or Plastic	Checked At Analysis
Semivolatiles, Pesticides, PCBs, Herbicides			Cool	Glass only with Teflon lid	Chlorine ☐yes ☐no
VOA (BTEX, MTBE, 624, 8260, TPH-GRO)			Cool, pH < 2 Zero Head Space	40 ml VOA vial	DO NOT OPEN
VOA (TPH-1005)			Cool, Zero Head Space Please check if collected in pre-weighed vials____	40 ml VOA vial	DO NOT OPEN
Phos., NO_3/NO_2, NH_3N, COD, TKN,TOC			Cool, pH < 2	Glass or Plastic	pH < 2
TDS, BOD, CBOD, Cond, pH, TSS, F, SO_4, Cl, Alk, Sulfite			Cool	Glass or Plastic, Plastic only if F	
Phenols, TPH-DRO			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	pH < 2
Oil & Grease, TPH (by 1664a)			Cool, pH < 2	Glass only Teflon lid____ Foil lid_____	DO NOT Check pH
Cyanide			Cool, pH >12	Glass or Plastic	pH > 12 Chlorine ☐yes ☐no Sulfide ☐yes ☐no ☐na
Sulfide			Cool, pH > 9	Glass or Plastic	pH > 9
Bacteria			Cool	Plastic Sterile Cup	
Soil, Sludge, Solid, Oil, Liquid	40	4oz	Cool Note: please check if collected in pre-weighed vials_____	glass	

Metals Preserved By Login ☐yes ☐no Trip Blanks Received ☐yes ☐no

COMMENTS:_____

*This form is used to document sample preservation. Circle parameter requested. Fill in number and size of containers received. Check pH (adjust if needed) and note if different from what is required and make a notation of any samples not received on ice. Note any incorrect sample containers or preservation on chain-of-custody.

**Cool means cooled to ≤6°C but not frozen.

Preservation Checked By _____ 5-17-12 Date 1516 Time

1000.0-3.2 2/17/09

kdy 7/10/08

Q:\Form Masters\1000.0-3.2 Sample Preservation Form



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

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TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72851-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/17/2013 4:17:25 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
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Designee for

Sachin Kudchadkar, Project Manager II
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72851-1
Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/17/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/14/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105861, 105879, 105897- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/14/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105861, 105879, 105897- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			2
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/14/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105861, 105879, 105897- ICP

ER #[1]	DESCRIPTION
1	The lead recovery in sample 72851-84 MSD was below acceptance limits due to matrix interference. Method performance is demonstrated by an acceptable LCS recovery.
2	The lead percent difference between samples 72851-3 and 72851-3 SD was above acceptance limits due to matrix interference.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-72851-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72851-1

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:38 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 3.8° C and 22.8° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72851-1	M-12N (1-1.5)	Solid	05/07/13 09:00	05/09/13 08:38
600-72851-2	M-12 (1-2)	Solid	05/07/13 09:05	05/09/13 08:38
600-72851-3	N-12 (2-3)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-5	N-11 (2-3)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-7	K-10 (2-3)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-9	K-10 (2-3) Dup.	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-10	N-16 (2-3)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-11	KL-15 (2-3)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-13	HI-15 (1-2)	Solid	05/07/13 10:50	05/09/13 08:38
600-72851-16	TP-9 (5-6)	Solid	05/07/13 11:05	05/09/13 08:38
600-72851-21	E-10N (2-3)	Solid	05/07/13 13:00	05/09/13 08:38
600-72851-23	E-10E (2-3)	Solid	05/07/13 13:25	05/09/13 08:38
600-72851-25	E-9 (2-3)	Solid	05/07/13 13:45	05/09/13 08:38
600-72851-27	E-9 (2-3) Dup	Solid	05/07/13 13:45	05/09/13 08:38
600-72851-28	TP-10 (1-2)	Solid	05/07/13 14:05	05/09/13 08:38
600-72851-33	TP-11 (1-2)	Solid	05/07/13 14:50	05/09/13 08:38
600-72851-37	TP-11 (1-2) Dup	Solid	05/07/13 14:50	05/09/13 08:38
600-72851-38	D-8 (2-3)	Solid	05/07/13 15:15	05/09/13 08:38
600-72851-40	BC-8 (2-3)	Solid	05/07/13 15:30	05/09/13 08:38
600-72851-42	BC-8 (2-3) Dup.	Solid	05/07/13 15:30	05/09/13 08:38
600-72851-43	E-10N (2-3) Dup.	Solid	05/07/13 13:00	05/09/13 08:38
600-72851-44	TP-10D	Solid	05/07/13 16:40	05/09/13 08:38
600-72851-45	TP-10G	Solid	05/07/13 16:45	05/09/13 08:38
600-72851-46	TP-10C	Solid	05/07/13 16:50	05/09/13 08:38
600-72851-47	TP-10F	Solid	05/07/13 17:05	05/09/13 08:38
600-72851-48	TP-10E	Solid	05/07/13 17:10	05/09/13 08:38
600-72851-49	TP-10B	Solid	05/07/13 17:15	05/09/13 08:38
600-72851-50	TP-10A	Solid	05/07/13 17:25	05/09/13 08:38
600-72851-51	TP-10H	Solid	05/07/13 17:30	05/09/13 08:38
600-72851-52	TP-10I	Solid	05/07/13 17:38	05/09/13 08:38
600-72851-53	DE-6D	Solid	05/08/13 08:10	05/09/13 08:38
600-72851-54	DE-6C	Solid	05/08/13 08:15	05/09/13 08:38
600-72851-55	DE-6D dup	Solid	05/08/13 08:10	05/09/13 08:38
600-72851-56	DE-6B	Solid	05/08/13 08:25	05/09/13 08:38
600-72851-57	DE-6E	Solid	05/08/13 08:30	05/09/13 08:38
600-72851-58	DE-6F	Solid	05/08/13 08:35	05/09/13 08:38
600-72851-59	DE-6G	Solid	05/08/13 08:40	05/09/13 08:38
600-72851-60	DE-6H	Solid	05/08/13 08:45	05/09/13 08:38
600-72851-61	DE-6A	Solid	05/08/13 08:50	05/09/13 08:38
600-72851-62	DE-6I	Solid	05/08/13 08:55	05/09/13 08:38
600-72851-63	TP-11C	Solid	05/08/13 09:15	05/09/13 08:38
600-72851-64	TP-11D	Solid	05/08/13 09:20	05/09/13 08:38
600-72851-65	TP-11G	Solid	05/08/13 09:25	05/09/13 08:38
600-72851-66	TP-11G Dup	Solid	05/08/13 09:25	05/09/13 08:38
600-72851-67	TP-11E	Solid	05/08/13 09:30	05/09/13 08:38
600-72851-68	TP-11F	Solid	05/08/13 09:35	05/09/13 08:38
600-72851-69	TP-11H	Solid	05/08/13 09:40	05/09/13 08:38
600-72851-70	TP-11A	Solid	05/08/13 09:45	05/09/13 08:38
600-72851-71	TP-11A Dup	Solid	05/08/13 09:45	05/09/13 08:38
600-72851-72	TP-11B	Solid	05/08/13 09:50	05/09/13 08:38
600-72851-73	HI-6 (1-2)	Solid	05/08/13 10:35	05/09/13 08:38
600-72851-74	HI-5 (1-2)	Solid	05/08/13 11:00	05/09/13 08:38
600-72851-75	HI-4 (1-2)	Solid	05/08/13 11:10	05/09/13 08:38

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72851-76	SCSS-B	Solid	05/08/13 11:55	05/09/13 08:38
600-72851-77	L-16A4 (1-1.5)	Solid	05/08/13 11:30	05/09/13 08:38
600-72851-78	M-16A4 (9-11")	Solid	05/08/13 13:15	05/09/13 08:38
600-72851-79	O-15A16 (1-1.75)	Solid	05/08/13 13:50	05/09/13 08:38
600-72851-80	O-15A16 (1-1.75) Dup	Solid	05/08/13 13:50	05/09/13 08:38
600-72851-81	Q16A	Solid	05/08/13 14:05	05/09/13 08:38
600-72851-82	M-14W (1-2)	Solid	05/08/13 14:35	05/09/13 08:38
600-72851-83	M-14S (1-2)	Solid	05/08/13 14:45	05/09/13 08:38
600-72851-84	L-16A2 (1-1.5)	Solid	05/08/13 11:30	05/09/13 08:38

Client Sample ID: M-12N (1-1.5) — **Lab Sample ID: 600-72851-1**
Date Collected: 05/07/13 09:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0284	U	0.277	0.0284	mg/Kg	☼	05/10/13 09:25	05/13/13 15:10	1
Lead	1.71	J1 - DL	0.554	0.116	mg/Kg	☼	05/10/13 09:25	05/13/13 15:10 ECS	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: M-12 (1-2) — **Lab Sample ID: 600-72851-2**
Date Collected: 05/07/13 09:05 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0275	U	0.268	0.0275	mg/Kg	☼	05/10/13 09:25	05/13/13 15:12	1
Lead	2.91	J1 - DL	0.536	0.112	mg/Kg	☼	05/10/13 09:25	05/13/13 15:12 ECS	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: N-12 (2-3) — **Lab Sample ID: 600-72851-3**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0415	J	0.260	0.0266	mg/Kg	☼	05/10/13 09:25	05/13/13 15:15	1
Lead	9.58	J1-DL	0.519	0.109	mg/Kg	☼	05/10/13 09:25	05/13/13 15:15 ECS	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: N-11 (2-3) — **Lab Sample ID: 600-72851-5**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.19		0.270	0.0277	mg/Kg	☼	05/10/13 09:25	05/13/13 15:27	1
Lead	6.53	J1- DL	0.541	0.113	mg/Kg	☼	05/10/13 09:25	05/13/13 15:27 ECS	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

NKJ 6-22-13

Client Sample ID: K-10 (2-3) — **Lab Sample ID: 600-72851-7**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0296	U	0.288	0.0296	mg/Kg	☼	05/10/13 09:25	05/13/13 15:33	1
Lead	13.9	J1-DL	0.576	0.121	mg/Kg	☼	05/10/13 09:25	05/13/13 15:33	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	83		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: K-10 (2-3) Dup. — **Lab Sample ID: 600-72851-9**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0292	U	0.285	0.0292	mg/Kg	☼	05/10/13 09:25	05/13/13 15:44	1
Lead	17.6	J1-DL	0.569	0.119	mg/Kg	☼	05/10/13 09:25	05/13/13 15:44	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: N-16 (2-3) — **Lab Sample ID: 600-72851-10**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0286	U	0.279	0.0286	mg/Kg	☼	05/10/13 09:25	05/13/13 15:47	1
Lead	8.80	J1-DL	0.557	0.117	mg/Kg	☼	05/10/13 09:25	05/13/13 15:47	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: KL-15 (2-3) — **Lab Sample ID: 600-72851-11**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.387		0.272	0.0279	mg/Kg	☼	05/10/13 09:25	05/13/13 15:49	1
Lead	14.2	J1-DL	0.544	0.114	mg/Kg	☼	05/10/13 09:25	05/13/13 15:49	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

NKT 6-22-13

Client Sample ID: HI-15 (1-2)

Lab Sample ID: 600-72851-13

Date Collected: 05/07/13 10:50
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 88.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.02		0.266	0.0273	mg/Kg	☼	05/10/13 09:25	05/13/13 15:54	1
Lead	1030	J1-DL	0.533	0.112	mg/Kg	☼	05/10/13 09:25	05/13/13 15:54	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-9 (5-6)

Lab Sample ID: 600-72851-16

Date Collected: 05/07/13 11:05
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	149	J1-DL	0.538	0.113	mg/Kg	☼	05/10/13 09:25	05/13/13 15:57	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: E-10N (2-3)

Lab Sample ID: 600-72851-21

Date Collected: 05/07/13 13:00
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.278	J	0.295	0.0303	mg/Kg	☼	05/10/13 09:25	05/13/13 15:59	1
Lead	12.6	J1-DL	0.591	0.124	mg/Kg	☼	05/10/13 09:25	05/13/13 15:59	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: E-10E (2-3)

Lab Sample ID: 600-72851-23

Date Collected: 05/07/13 13:25
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 81.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.316		0.304	0.0312	mg/Kg	☼	05/10/13 09:25	05/13/13 16:04	1
Lead	16.2	J1-DL	0.608	0.127	mg/Kg	☼	05/10/13 09:25	05/13/13 16:04	1

ECS

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	81		1.0	1.0	%			05/09/13 12:52	1

MKJ 6-22-13

Client Sample ID: E-9 (2-3) — **Lab Sample ID: 600-72851-25**
Date Collected: 05/07/13 13:45 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.286	J	0.291	0.0299	mg/Kg	☼	05/10/13 09:25	05/13/13 16:16	1
Lead	10.9	J1-DL	0.583	0.122	mg/Kg	☼	05/10/13 09:25	05/13/13 16:16 ECS	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	82		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: E-9 (2-3) Dup — **Lab Sample ID: 600-72851-27**
Date Collected: 05/07/13 13:45 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 67.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.380		0.359	0.0368	mg/Kg	☼	05/10/13 11:02	05/13/13 18:16	1
Lead	17.7		0.718	0.151	mg/Kg	☼	05/10/13 11:02	05/13/13 18:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	33		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	67		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10 (1-2) — **Lab Sample ID: 600-72851-28**
Date Collected: 05/07/13 14:05 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	16.0		1.22	0.266	mg/Kg	☼	05/10/13 11:02	05/13/13 18:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	80		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11 (1-2) — **Lab Sample ID: 600-72851-33**
Date Collected: 05/07/13 14:50 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 79.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.7		1.15	0.251	mg/Kg	☼	05/10/13 11:02	05/13/13 18:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	80		1.0	1.0	%			05/09/13 12:52	1

NKT
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Client Sample ID: TP-11 (1-2) Dup

Lab Sample ID: 600-72851-37
Date Collected: 05/07/13 14:50
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 80.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.7		1.25	0.272	mg/Kg	☼	05/10/13 13:31	05/13/13 19:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	80		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: D-8 (2-3)

Lab Sample ID: 600-72851-38
Date Collected: 05/07/13 15:15
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 77.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.319		0.306	0.0314	mg/Kg	☼	05/10/13 13:31	05/13/13 19:55	1
Lead	15.7		0.613	0.128	mg/Kg	☼	05/10/13 13:31	05/13/13 19:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	78		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: BC-8 (2-3)

Lab Sample ID: 600-72851-40
Date Collected: 05/07/13 15:30
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 80.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.208	J	0.306	0.0314	mg/Kg	☼	05/10/13 11:02	05/13/13 18:24	1
Lead	41.1	J1-FD	0.612	0.128	mg/Kg	☼	05/10/13 11:02	05/13/13 18:24	1

ECS

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	80		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: BC-8 (2-3) Dup.

Lab Sample ID: 600-72851-42
Date Collected: 05/07/13 15:30
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 80.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.220	J	0.306	0.0314	mg/Kg	☼	05/10/13 13:31	05/13/13 20:02	1
Lead	19.2	J1-FD	0.612	0.128	mg/Kg	☼	05/10/13 13:31	05/13/13 20:02	1

ECS

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	80		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: E-10N (2-3) Dup.

Lab Sample ID: 600-72851-43
Date Collected: 05/07/13 13:00
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.273	J	0.291	0.0298	mg/Kg	☼	05/10/13 13:31	05/13/13 20:05	1
Lead	12.8		0.581	0.122	mg/Kg	☼	05/10/13 13:31	05/13/13 20:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10D

Lab Sample ID: 600-72851-44
Date Collected: 05/07/13 16:40
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.2		1.09	0.237	mg/Kg	☼	05/10/13 11:02	05/13/13 18:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10G

Lab Sample ID: 600-72851-45
Date Collected: 05/07/13 16:45
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.1		1.08	0.235	mg/Kg	☼	05/10/13 11:02	05/13/13 18:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10C

Lab Sample ID: 600-72851-46
Date Collected: 05/07/13 16:50
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 95.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	13.8		1.00	0.219	mg/Kg	☼	05/10/13 13:31	05/13/13 20:07	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.2		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	96		1.0	1.0	%			05/09/13 12:52	1

MK
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Client Sample ID: TP-10F — **Lab Sample ID: 600-72851-47**
Date Collected: 05/07/13 17:05 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.0		1.07	0.233	mg/Kg	☼	05/10/13 13:31	05/13/13 20:10	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10E — **Lab Sample ID: 600-72851-48**
Date Collected: 05/07/13 17:10 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.4		1.12	0.244	mg/Kg	☼	05/10/13 13:31	05/13/13 20:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10B — **Lab Sample ID: 600-72851-49**
Date Collected: 05/07/13 17:15 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.0		1.09	0.238	mg/Kg	☼	05/10/13 13:31	05/13/13 20:22	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10A — **Lab Sample ID: 600-72851-50**
Date Collected: 05/07/13 17:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	11.3		1.13	0.246	mg/Kg	☼	05/10/13 13:31	05/13/13 20:25	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: TP-10H — **Lab Sample ID: 600-72851-51**
Date Collected: 05/07/13 17:30 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 90.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	15.6		1.07	0.233	mg/Kg	☼	05/10/13 13:31	05/13/13 20:27	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.9		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	90		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-10I — **Lab Sample ID: 600-72851-52**
Date Collected: 05/07/13 17:33 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	12.2		1.11	0.242	mg/Kg	☼	05/10/13 13:31	05/13/13 20:30	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6D — **Lab Sample ID: 600-72851-53**
Date Collected: 05/08/13 08:10 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21.9		1.06	0.232	mg/Kg	☼	05/10/13 11:02	05/13/13 18:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6C — **Lab Sample ID: 600-72851-54**
Date Collected: 05/08/13 08:15 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 94.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.0		1.00	0.219	mg/Kg	☼	05/10/13 11:02	05/13/13 18:49	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.2		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	95		1.0	1.0	%			05/09/13 12:52	1

MB 6-22-13

Client Sample ID: DE-6D dup — **Lab Sample ID: 600-72851-55**
Date Collected: 05/08/13 08:10 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22.8		1.07	0.234	mg/Kg	☼	05/10/13 11:02	05/13/13 18:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6B — **Lab Sample ID: 600-72851-56**
Date Collected: 05/08/13 08:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22.9		1.08	0.235	mg/Kg	☼	05/10/13 11:02	05/13/13 18:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6E — **Lab Sample ID: 600-72851-57**
Date Collected: 05/08/13 08:30 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 83.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	26.2		1.13	0.247	mg/Kg	☼	05/10/13 11:02	05/13/13 18:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	83		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6F — **Lab Sample ID: 600-72851-58**
Date Collected: 05/08/13 08:35 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24.3		1.15	0.250	mg/Kg	☼	05/10/13 11:02	05/13/13 18:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: DE-6G — **Lab Sample ID: 600-72851-59**
Date Collected: 05/08/13 08:40 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22.7		1.08	0.236	mg/Kg	☼	05/10/13 11:02	05/13/13 19:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6H — **Lab Sample ID: 600-72851-60**
Date Collected: 05/08/13 08:45 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23.7		1.07	0.233	mg/Kg	☼	05/10/13 13:31	05/13/13 20:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	87		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6A — **Lab Sample ID: 600-72851-61**
Date Collected: 05/08/13 08:50 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23.9		1.13	0.245	mg/Kg	☼	05/10/13 11:02	05/13/13 19:04	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: DE-6I — **Lab Sample ID: 600-72851-62**
Date Collected: 05/08/13 08:55 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 89.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24.2		1.07	0.234	mg/Kg	☼	05/10/13 11:02	05/13/13 19:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	90		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: TP-11C — **Lab Sample ID: 600-72851-63**
Date Collected: 05/08/13 09:15 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	23.2		1.14	0.248	mg/Kg	☼	05/10/13 11:02	05/13/13 19:24	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11D — **Lab Sample ID: 600-72851-64**
Date Collected: 05/08/13 09:20 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.2		1.08	0.235	mg/Kg	☼	05/10/13 11:02	05/13/13 19:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	88		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11G — **Lab Sample ID: 600-72851-65**
Date Collected: 05/08/13 09:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	22.2		1.11	0.243	mg/Kg	☼	05/10/13 11:02	05/13/13 19:29	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11G Dup — **Lab Sample ID: 600-72851-66**
Date Collected: 05/08/13 09:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.9		1.15	0.250	mg/Kg	☼	05/10/13 11:02	05/13/13 19:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	87		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: TP-11E
Date Collected: 05/08/13 09:30
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-67
Matrix: Solid
Percent Solids: 87.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.1		1.10	0.241	mg/Kg	☼	05/10/13 11:02	05/13/13 19:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	87		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11F
Date Collected: 05/08/13 09:35
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-68
Matrix: Solid
Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.2		1.16	0.253	mg/Kg	☼	05/10/13 13:31	05/13/13 20:42	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	84		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11H
Date Collected: 05/08/13 09:40
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-69
Matrix: Solid
Percent Solids: 86.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	18.8		1.07	0.233	mg/Kg	☼	05/10/13 13:31	05/13/13 20:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	87		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11A
Date Collected: 05/08/13 09:45
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-70
Matrix: Solid
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	19.1		1.12	0.244	mg/Kg	☼	05/10/13 13:31	05/13/13 20:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: TP-11A Dup
Date Collected: 05/08/13 09:45
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-71
Matrix: Solid
Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	20.8		1.12	0.245	mg/Kg	☼	05/10/13 13:31	05/13/13 20:57	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: TP-11B
Date Collected: 05/08/13 09:50
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-72
Matrix: Solid
Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21.7		1.14	0.249	mg/Kg	☼	05/10/13 13:31	05/13/13 20:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: HI-6 (1-2)
Date Collected: 05/08/13 10:35
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-73
Matrix: Solid
Percent Solids: 75.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.505		0.316	0.0324	mg/Kg	☼	05/10/13 15:18	05/13/13 21:32	1
Lead	22.2		0.631	0.132	mg/Kg	☼	05/10/13 15:18	05/13/13 21:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	75		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: HI-5 (1-2)
Date Collected: 05/08/13 11:00
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-74
Matrix: Solid
Percent Solids: 76.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.439		0.323	0.0331	mg/Kg	☼	05/10/13 13:31	05/13/13 21:02	1
Lead	18.6		0.645	0.135	mg/Kg	☼	05/10/13 13:31	05/13/13 21:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	77		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: HI-4 (1-2)
Lab Sample ID: 600-72851-75
Date Collected: 05/08/13 11:10
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 76.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.457		0.305	0.0312	mg/Kg	☼	05/10/13 15:18	05/13/13 21:35	1
Lead	20.2		0.609	0.128	mg/Kg	☼	05/10/13 15:18	05/13/13 21:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	76		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: SCSS-B
Lab Sample ID: 600-72851-76
Date Collected: 05/08/13 11:55
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 74.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.324		0.317	0.0325	mg/Kg	☼	05/10/13 15:18	05/13/13 21:38	1
Lead	21.2		0.635	0.133	mg/Kg	☼	05/10/13 15:18	05/13/13 21:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	74		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: L-16A4 (1-1.5)
Lab Sample ID: 600-72851-77
Date Collected: 05/08/13 11:30
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.07		0.272	0.0279	mg/Kg	☼	05/10/13 15:18	05/13/13 21:40	1
Lead	69.3		0.545	0.114	mg/Kg	☼	05/10/13 15:18	05/13/13 21:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	87		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: M-16A4 (9-11")
Lab Sample ID: 600-72851-78
Date Collected: 05/08/13 13:15
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.82		0.287	0.0294	mg/Kg	☼	05/10/13 15:18	05/13/13 21:43	1
Lead	298		0.573	0.120	mg/Kg	☼	05/10/13 15:18	05/13/13 21:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

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Client Sample ID: O-15A16 (1-1.75) — **Lab Sample ID: 600-72851-79**
Date Collected: 05/08/13 13:50 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.206	J	0.286	0.0293	mg/Kg	☼	05/10/13 15:18	05/13/13 21:45	1
Lead	24.2		0.571	0.120	mg/Kg	☼	05/10/13 15:18	05/13/13 21:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	83		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: O-15A16 (1-1.75) Dup — **Lab Sample ID: 600-72851-80**
Date Collected: 05/08/13 13:50 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 82.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.196	J	0.288	0.0295	mg/Kg	☼	05/10/13 15:18	05/13/13 21:48	1
Lead	22.8		0.576	0.121	mg/Kg	☼	05/10/13 15:18	05/13/13 21:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	83		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: Q16A — **Lab Sample ID: 600-72851-81**
Date Collected: 05/08/13 14:05 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.623		0.275	0.0283	mg/Kg	☼	05/10/13 15:18	05/13/13 21:51	1
Lead	93.7		0.551	0.116	mg/Kg	☼	05/10/13 15:18	05/13/13 21:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	89		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: M-14W (1-2) — **Lab Sample ID: 600-72851-82**
Date Collected: 05/08/13 14:35 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.601		0.286	0.0293	mg/Kg	☼	05/10/13 15:18	05/13/13 22:00	1
Lead	23.5		0.572	0.120	mg/Kg	☼	05/10/13 15:18	05/13/13 22:00	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	85		1.0	1.0	%			05/09/13 12:52	1

nkt 6-22-13

Client Sample ID: M-14S (1-2)
Lab Sample ID: 600-72851-83
Date Collected: 05/08/13 14:45
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.186	J	0.290	0.0298	mg/Kg	☼	05/10/13 15:18	05/13/13 22:03	1
Lead	29.1		0.581	0.122	mg/Kg	☼	05/10/13 15:18	05/13/13 22:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	86		1.0	1.0	%			05/09/13 12:52	1

Client Sample ID: L-16A2 (1-1.5)
Lab Sample ID: 600-72851-84
Date Collected: 05/08/13 11:30
Matrix: Solid
Date Received: 05/09/13 08:38
Percent Solids: 82.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.311		0.293	0.0301	mg/Kg	☼	05/10/13 15:18	05/13/13 22:06	1
Lead	41.5		0.587	0.123	mg/Kg	☼	05/10/13 15:18	05/13/13 22:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			05/09/13 12:52	1
Percent Solids	82		1.0	1.0	%			05/09/13 12:52	1

NKT
6-22-13

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.

General Chemistry

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-105849/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105849

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 09:25	05/13/13 14:58	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 09:25	05/13/13 14:58	1

Lab Sample ID: LCSSRM 600-105849/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	110.9		mg/Kg		107.7	83.6 - 115.5
Lead	76.9	70.90		mg/Kg		92.2	81.3 - 118.7

Lab Sample ID: 600-72851-3MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: N-12 (2-3)
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0415	J	24.9	25.86		mg/Kg	☼	104	75 - 125
Lead	9.58		49.8	57.00		mg/Kg	☼	95	75 - 125

Lab Sample ID: 600-72851-3MSD
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: N-12 (2-3)
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0415	J	24.7	25.59		mg/Kg	☼	104	75 - 125	1	20
Lead	9.58		49.3	58.18		mg/Kg	☼	98	75 - 125	2	20

Lab Sample ID: 600-72851-25MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: E-9 (2-3)
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.286	J	28.6	27.80		mg/Kg	☼	96	75 - 125
Lead	10.9		57.2	67.59		mg/Kg	☼	99	75 - 125

Lab Sample ID: 600-72851-25MSD
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: E-9 (2-3)
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.286	J	29.4	28.34		mg/Kg	☼	95	75 - 125	2	20
Lead	10.9		58.8	69.97		mg/Kg	☼	100	75 - 125	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-72851-3 DU
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: N-12 (2-3)
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0415	J	0.05241	J	mg/Kg	☼	23	20
Lead	9.58		10.36		mg/Kg	☼	8	20

Lab Sample ID: MB 600-105861/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105861

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		05/10/13 11:02	05/13/13 18:12	1
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 11:02	05/13/13 18:12	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 11:02	05/13/13 18:12	1

Lab Sample ID: LCSSRM 600-105861/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	168	166.2		mg/Kg		98.9	83.3 - 117.3
Cadmium	103	98.81		mg/Kg		95.9	83.6 - 115.5
Lead	76.9	72.62		mg/Kg		94.4	81.3 - 118.7

Lab Sample ID: 600-72851-44MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: TP-10D
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	12.2		56.4	68.80		mg/Kg	☼	100	75 - 125

Lab Sample ID: 600-72851-44MSD
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: TP-10D
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	12.2		52.7	62.45		mg/Kg	☼	95	75 - 125	10	20

Lab Sample ID: 600-72851-62MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: DE-6I
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	24.2		54.2	74.24		mg/Kg	☼	92	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-72851-62MSD
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: DE-6I
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	24.2		52.2	69.23		mg/Kg	☼	86	75 - 125	7	20

Lab Sample ID: 600-72851-44 DU
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: TP-10D
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	12.2		12.02		mg/Kg	☼	1	20
Cadmium	0.895		1.032		mg/Kg	☼	14	20
Lead	97.0		113.6		mg/Kg	☼	16	20

Lab Sample ID: 600-72851-62 DU
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: DE-6I
Prep Type: Total/NA
Prep Batch: 105861

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	24.2		23.53		mg/Kg	☼	3	20

Lab Sample ID: MB 600-105879/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105879

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		05/10/13 13:31	05/13/13 19:48	1
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 13:31	05/13/13 19:48	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 13:31	05/13/13 19:48	1

Lab Sample ID: LCSSRM 600-105879/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105879

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	168	165.9		mg/Kg		98.8	83.3 - 117.3
Cadmium	103	104.5		mg/Kg		101.5	83.6 - 115.5
Lead	76.9	74.40		mg/Kg		96.7	81.3 - 118.7

Lab Sample ID: 600-72851-52 MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: TP-10I
Prep Type: Total/NA
Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	12.2		55.6	64.08		mg/Kg	☼	93	75 - 125
Cadmium	1.25		27.8	27.18		mg/Kg	☼	93	75 - 125
Lead	149		55.6	202.6		mg/Kg	☼	97	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-72851-52 MSD — Client Sample ID: TP-10I
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	12.2		52.1	61.63		mg/Kg	☼	95	75 - 125	4	20
Cadmium	1.25		26.0	25.71		mg/Kg	☼	94	75 - 125	6	20
Lead	149		52.1	211.8		mg/Kg	☼	121	75 - 125	4	20

Lab Sample ID: 600-72851-74MS — Client Sample ID: HI-5 (1-2)
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.439		29.9	27.80		mg/Kg	☼	91	75 - 125
Lead	18.6		59.8	77.92		mg/Kg	☼	99	75 - 125

Lab Sample ID: 600-72851-74MSD — Client Sample ID: HI-5 (1-2)
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.439		32.3	29.84		mg/Kg	☼	91	75 - 125	7	20
Lead	18.6		64.5	84.29		mg/Kg	☼	102	75 - 125	8	20

Lab Sample ID: 600-72851-52 DU — Client Sample ID: TP-10I
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	12.2		13.08		mg/Kg	☼	7	20
Cadmium	1.25		1.302		mg/Kg	☼	4	20
Lead	149		168.8		mg/Kg	☼	13	20

Lab Sample ID: 600-72851-74 DU — Client Sample ID: HI-5 (1-2)
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105879

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.439		0.4410		mg/Kg	☼	0.5	20
Lead	18.6		19.51		mg/Kg	☼	5	20

Lab Sample ID: MB 600-105897/1-A — Client Sample ID: Method Blank
Matrix: Solid — Prep Type: Total/NA
Analysis Batch: 106003 — Prep Batch: 105897

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 15:18	05/13/13 21:28	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 15:18	05/13/13 21:28	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 600-105897/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105897

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	115.0		mg/Kg		111.7	83.6 - 115.5
Lead	76.9	84.81		mg/Kg		110.3	81.3 - 118.7

Lab Sample ID: 600-72851-84 MS
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: L-16A2 (1-1.5)
Prep Type: Total/NA
Prep Batch: 105897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.311		29.0	27.32		mg/Kg	☼	93	75 - 125
Lead	41.5		58.1	86.79		mg/Kg	☼	78	75 - 125

Lab Sample ID: 600-72851-84 MSD
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: L-16A2 (1-1.5)
Prep Type: Total/NA
Prep Batch: 105897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.311		30.2	29.65		mg/Kg	☼	97	75 - 125	8	20
Lead	41.5		60.4	85.52	N	mg/Kg	☼	73	75 - 125	1	20

Lab Sample ID: 600-72851-84 DU
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: L-16A2 (1-1.5)
Prep Type: Total/NA
Prep Batch: 105897

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.311		0.2736	J	mg/Kg	☼	13	20
Lead	41.5		35.02		mg/Kg	☼	17	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-72851-2 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: M-12 (1-2)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11		11		%		4	20
Percent Solids	89		89		%		0.5	20

Lab Sample ID: 600-72851-11 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: KL-15 (2-3)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		16		%		2	20
Percent Solids	84		84		%		0.3	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 600-72851-27 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: E-9 (2-3) Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	33		26	F	%		22	20
Percent Solids	67		74		%		9	20

Lab Sample ID: 600-72851-44 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: TP-10D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	11		11		%		3	20
Percent Solids	89		89		%		0.4	20

Lab Sample ID: 600-72851-54 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: DE-6C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	5.2		16	F	%		100	20
Percent Solids	95		84		%		12	20

Lab Sample ID: 600-72851-64 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: TP-11D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12		13		%		6	20
Percent Solids	88		87		%		0.8	20

Lab Sample ID: 600-72851-74 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: HI-5 (1-2)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	23		24		%		1	20
Percent Solids	77		76		%		0.3	20

Lab Sample ID: 600-72851-84 DU
Matrix: Solid
Analysis Batch: 105774

Client Sample ID: L-16A2 (1-1.5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	18		18		%		2	20
Percent Solids	82		82		%		0.4	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Arsenic	1.00	0.218	mg/Kg	6010B
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 105849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-1	M-12N (1-1.5)	Total/NA	Solid	3050B	
600-72851-2	M-12 (1-2)	Total/NA	Solid	3050B	
600-72851-3	N-12 (2-3)	Total/NA	Solid	3050B	
600-72851-3 DU	N-12 (2-3)	Total/NA	Solid	3050B	
600-72851-3MS	N-12 (2-3)	Total/NA	Solid	3050B	
600-72851-3MSD	N-12 (2-3)	Total/NA	Solid	3050B	
600-72851-5	N-11 (2-3)	Total/NA	Solid	3050B	
600-72851-7	K-10 (2-3)	Total/NA	Solid	3050B	
600-72851-9	K-10 (2-3) Dup.	Total/NA	Solid	3050B	
600-72851-10	N-16 (2-3)	Total/NA	Solid	3050B	
600-72851-11	KL-15 (2-3)	Total/NA	Solid	3050B	
600-72851-13	HI-15 (1-2)	Total/NA	Solid	3050B	
600-72851-16	TP-9 (5-6)	Total/NA	Solid	3050B	
600-72851-21	E-10N (2-3)	Total/NA	Solid	3050B	
600-72851-23	E-10E (2-3)	Total/NA	Solid	3050B	
600-72851-25	E-9 (2-3)	Total/NA	Solid	3050B	
600-72851-25MS	E-9 (2-3)	Total/NA	Solid	3050B	
600-72851-25MSD	E-9 (2-3)	Total/NA	Solid	3050B	
LCSSRM 600-105849/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105849/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 105861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-27	E-9 (2-3) Dup	Total/NA	Solid	3050B	
600-72851-28	TP-10 (1-2)	Total/NA	Solid	3050B	
600-72851-33	TP-11 (1-2)	Total/NA	Solid	3050B	
600-72851-40	BC-8 (2-3)	Total/NA	Solid	3050B	
600-72851-44	TP-10D	Total/NA	Solid	3050B	
600-72851-44 DU	TP-10D	Total/NA	Solid	3050B	
600-72851-44MS	TP-10D	Total/NA	Solid	3050B	
600-72851-44MSD	TP-10D	Total/NA	Solid	3050B	
600-72851-45	TP-10G	Total/NA	Solid	3050B	
600-72851-53	DE-6D	Total/NA	Solid	3050B	
600-72851-54	DE-6C	Total/NA	Solid	3050B	
600-72851-55	DE-6D dup	Total/NA	Solid	3050B	
600-72851-56	DE-6B	Total/NA	Solid	3050B	
600-72851-57	DE-6E	Total/NA	Solid	3050B	
600-72851-58	DE-6F	Total/NA	Solid	3050B	
600-72851-59	DE-6G	Total/NA	Solid	3050B	
600-72851-61	DE-6A	Total/NA	Solid	3050B	
600-72851-62	DE-6I	Total/NA	Solid	3050B	
600-72851-62 DU	DE-6I	Total/NA	Solid	3050B	
600-72851-62MS	DE-6I	Total/NA	Solid	3050B	
600-72851-62MSD	DE-6I	Total/NA	Solid	3050B	
600-72851-63	TP-11C	Total/NA	Solid	3050B	
600-72851-64	TP-11D	Total/NA	Solid	3050B	
600-72851-65	TP-11G	Total/NA	Solid	3050B	
600-72851-66	TP-11G Dup	Total/NA	Solid	3050B	
600-72851-67	TP-11E	Total/NA	Solid	3050B	
LCSSRM 600-105861/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105861/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 105879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-37	TP-11 (1-2) Dup	Total/NA	Solid	3050B	
600-72851-38	D-8 (2-3)	Total/NA	Solid	3050B	
600-72851-42	BC-8 (2-3) Dup.	Total/NA	Solid	3050B	
600-72851-43	E-10N (2-3) Dup.	Total/NA	Solid	3050B	
600-72851-46	TP-10C	Total/NA	Solid	3050B	
600-72851-47	TP-10F	Total/NA	Solid	3050B	
600-72851-48	TP-10E	Total/NA	Solid	3050B	
600-72851-49	TP-10B	Total/NA	Solid	3050B	
600-72851-50	TP-10A	Total/NA	Solid	3050B	
600-72851-51	TP-10H	Total/NA	Solid	3050B	
600-72851-52	TP-10I	Total/NA	Solid	3050B	
600-72851-52 DU	TP-10I	Total/NA	Solid	3050B	
600-72851-52 MS	TP-10I	Total/NA	Solid	3050B	
600-72851-52 MSD	TP-10I	Total/NA	Solid	3050B	
600-72851-60	DE-6H	Total/NA	Solid	3050B	
600-72851-68	TP-11F	Total/NA	Solid	3050B	
600-72851-69	TP-11H	Total/NA	Solid	3050B	
600-72851-70	TP-11A	Total/NA	Solid	3050B	
600-72851-71	TP-11A Dup	Total/NA	Solid	3050B	
600-72851-72	TP-11B	Total/NA	Solid	3050B	
600-72851-74	HI-5 (1-2)	Total/NA	Solid	3050B	
600-72851-74 DU	HI-5 (1-2)	Total/NA	Solid	3050B	
600-72851-74MS	HI-5 (1-2)	Total/NA	Solid	3050B	
600-72851-74MSD	HI-5 (1-2)	Total/NA	Solid	3050B	
LCSSRM 600-105879/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105879/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 105897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-73	HI-6 (1-2)	Total/NA	Solid	3050B	
600-72851-75	HI-4 (1-2)	Total/NA	Solid	3050B	
600-72851-76	SCSS-B	Total/NA	Solid	3050B	
600-72851-77	L-16A4 (1-1.5)	Total/NA	Solid	3050B	
600-72851-78	M-16A4 (9-11")	Total/NA	Solid	3050B	
600-72851-79	O-15A16 (1-1.75)	Total/NA	Solid	3050B	
600-72851-80	O-15A16 (1-1.75) Dup	Total/NA	Solid	3050B	
600-72851-81	Q16A	Total/NA	Solid	3050B	
600-72851-82	M-14W (1-2)	Total/NA	Solid	3050B	
600-72851-83	M-14S (1-2)	Total/NA	Solid	3050B	
600-72851-84	L-16A2 (1-1.5)	Total/NA	Solid	3050B	
600-72851-84 DU	L-16A2 (1-1.5)	Total/NA	Solid	3050B	
600-72851-84 MS	L-16A2 (1-1.5)	Total/NA	Solid	3050B	
600-72851-84 MSD	L-16A2 (1-1.5)	Total/NA	Solid	3050B	
LCSSRM 600-105897/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105897/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-1	M-12N (1-1.5)	Total/NA	Solid	6010B	105849
600-72851-2	M-12 (1-2)	Total/NA	Solid	6010B	105849
600-72851-3	N-12 (2-3)	Total/NA	Solid	6010B	105849

Metals (Continued)

Analysis Batch: 106003 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-3 DU	N-12 (2-3)	Total/NA	Solid	6010B	105849
600-72851-3MS	N-12 (2-3)	Total/NA	Solid	6010B	105849
600-72851-3MSD	N-12 (2-3)	Total/NA	Solid	6010B	105849
600-72851-5	N-11 (2-3)	Total/NA	Solid	6010B	105849
600-72851-7	K-10 (2-3)	Total/NA	Solid	6010B	105849
600-72851-9	K-10 (2-3) Dup.	Total/NA	Solid	6010B	105849
600-72851-10	N-16 (2-3)	Total/NA	Solid	6010B	105849
600-72851-11	KL-15 (2-3)	Total/NA	Solid	6010B	105849
600-72851-13	HI-15 (1-2)	Total/NA	Solid	6010B	105849
600-72851-16	TP-9 (5-6)	Total/NA	Solid	6010B	105849
600-72851-21	E-10N (2-3)	Total/NA	Solid	6010B	105849
600-72851-23	E-10E (2-3)	Total/NA	Solid	6010B	105849
600-72851-25	E-9 (2-3)	Total/NA	Solid	6010B	105849
600-72851-25MS	E-9 (2-3)	Total/NA	Solid	6010B	105849
600-72851-25MSD	E-9 (2-3)	Total/NA	Solid	6010B	105849
600-72851-27	E-9 (2-3) Dup	Total/NA	Solid	6010B	105861
600-72851-28	TP-10 (1-2)	Total/NA	Solid	6010B	105861
600-72851-33	TP-11 (1-2)	Total/NA	Solid	6010B	105861
600-72851-37	TP-11 (1-2) Dup	Total/NA	Solid	6010B	105879
600-72851-38	D-8 (2-3)	Total/NA	Solid	6010B	105879
600-72851-40	BC-8 (2-3)	Total/NA	Solid	6010B	105861
600-72851-42	BC-8 (2-3) Dup.	Total/NA	Solid	6010B	105879
600-72851-43	E-10N (2-3) Dup.	Total/NA	Solid	6010B	105879
600-72851-44	TP-10D	Total/NA	Solid	6010B	105861
600-72851-44 DU	TP-10D	Total/NA	Solid	6010B	105861
600-72851-44MS	TP-10D	Total/NA	Solid	6010B	105861
600-72851-44MSD	TP-10D	Total/NA	Solid	6010B	105861
600-72851-45	TP-10G	Total/NA	Solid	6010B	105861
600-72851-46	TP-10C	Total/NA	Solid	6010B	105879
600-72851-47	TP-10F	Total/NA	Solid	6010B	105879
600-72851-48	TP-10E	Total/NA	Solid	6010B	105879
600-72851-49	TP-10B	Total/NA	Solid	6010B	105879
600-72851-50	TP-10A	Total/NA	Solid	6010B	105879
600-72851-51	TP-10H	Total/NA	Solid	6010B	105879
600-72851-52	TP-10I	Total/NA	Solid	6010B	105879
600-72851-52 DU	TP-10I	Total/NA	Solid	6010B	105879
600-72851-52 MS	TP-10I	Total/NA	Solid	6010B	105879
600-72851-52 MSD	TP-10I	Total/NA	Solid	6010B	105879
600-72851-53	DE-6D	Total/NA	Solid	6010B	105861
600-72851-54	DE-6C	Total/NA	Solid	6010B	105861
600-72851-55	DE-6D dup	Total/NA	Solid	6010B	105861
600-72851-56	DE-6B	Total/NA	Solid	6010B	105861
600-72851-57	DE-6E	Total/NA	Solid	6010B	105861
600-72851-58	DE-6F	Total/NA	Solid	6010B	105861
600-72851-59	DE-6G	Total/NA	Solid	6010B	105861
600-72851-60	DE-6H	Total/NA	Solid	6010B	105879
600-72851-61	DE-6A	Total/NA	Solid	6010B	105861
600-72851-62	DE-6I	Total/NA	Solid	6010B	105861
600-72851-62 DU	DE-6I	Total/NA	Solid	6010B	105861
600-72851-62MS	DE-6I	Total/NA	Solid	6010B	105861
600-72851-62MSD	DE-6I	Total/NA	Solid	6010B	105861

Metals (Continued)

Analysis Batch: 106003 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-63	TP-11C	Total/NA	Solid	6010B	105861
600-72851-64	TP-11D	Total/NA	Solid	6010B	105861
600-72851-65	TP-11G	Total/NA	Solid	6010B	105861
600-72851-66	TP-11G Dup	Total/NA	Solid	6010B	105861
600-72851-67	TP-11E	Total/NA	Solid	6010B	105861
600-72851-68	TP-11F	Total/NA	Solid	6010B	105879
600-72851-69	TP-11H	Total/NA	Solid	6010B	105879
600-72851-70	TP-11A	Total/NA	Solid	6010B	105879
600-72851-71	TP-11A Dup	Total/NA	Solid	6010B	105879
600-72851-72	TP-11B	Total/NA	Solid	6010B	105879
600-72851-73	HI-6 (1-2)	Total/NA	Solid	6010B	105897
600-72851-74	HI-5 (1-2)	Total/NA	Solid	6010B	105879
600-72851-74 DU	HI-5 (1-2)	Total/NA	Solid	6010B	105879
600-72851-74MS	HI-5 (1-2)	Total/NA	Solid	6010B	105879
600-72851-74MSD	HI-5 (1-2)	Total/NA	Solid	6010B	105879
600-72851-75	HI-4 (1-2)	Total/NA	Solid	6010B	105897
600-72851-76	SCSS-B	Total/NA	Solid	6010B	105897
600-72851-77	L-16A4 (1-1.5)	Total/NA	Solid	6010B	105897
600-72851-78	M-16A4 (9-11")	Total/NA	Solid	6010B	105897
600-72851-79	O-15A16 (1-1.75)	Total/NA	Solid	6010B	105897
600-72851-80	O-15A16 (1-1.75) Dup	Total/NA	Solid	6010B	105897
600-72851-81	Q16A	Total/NA	Solid	6010B	105897
600-72851-82	M-14W (1-2)	Total/NA	Solid	6010B	105897
600-72851-83	M-14S (1-2)	Total/NA	Solid	6010B	105897
600-72851-84	L-16A2 (1-1.5)	Total/NA	Solid	6010B	105897
600-72851-84 DU	L-16A2 (1-1.5)	Total/NA	Solid	6010B	105897
600-72851-84 MS	L-16A2 (1-1.5)	Total/NA	Solid	6010B	105897
600-72851-84 MSD	L-16A2 (1-1.5)	Total/NA	Solid	6010B	105897
LCSSRM 600-105849/2-A	Lab Control Sample	Total/NA	Solid	6010B	105849
LCSSRM 600-105861/2-A	Lab Control Sample	Total/NA	Solid	6010B	105861
LCSSRM 600-105879/2-A	Lab Control Sample	Total/NA	Solid	6010B	105879
LCSSRM 600-105897/2-A	Lab Control Sample	Total/NA	Solid	6010B	105897
MB 600-105849/1-A	Method Blank	Total/NA	Solid	6010B	105849
MB 600-105861/1-A	Method Blank	Total/NA	Solid	6010B	105861
MB 600-105879/1-A	Method Blank	Total/NA	Solid	6010B	105879
MB 600-105897/1-A	Method Blank	Total/NA	Solid	6010B	105897

General Chemistry

Analysis Batch: 105774

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-1	M-12N (1-1.5)	Total/NA	Solid	Moisture	
600-72851-2	M-12 (1-2)	Total/NA	Solid	Moisture	
600-72851-2 DU	M-12 (1-2)	Total/NA	Solid	Moisture	
600-72851-3	N-12 (2-3)	Total/NA	Solid	Moisture	
600-72851-5	N-11 (2-3)	Total/NA	Solid	Moisture	
600-72851-7	K-10 (2-3)	Total/NA	Solid	Moisture	
600-72851-9	K-10 (2-3) Dup.	Total/NA	Solid	Moisture	
600-72851-10	N-16 (2-3)	Total/NA	Solid	Moisture	
600-72851-11	KL-15 (2-3)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 105774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-11 DU	KL-15 (2-3)	Total/NA	Solid	Moisture	
600-72851-13	HI-15 (1-2)	Total/NA	Solid	Moisture	
600-72851-16	TP-9 (5-6)	Total/NA	Solid	Moisture	
600-72851-21	E-10N (2-3)	Total/NA	Solid	Moisture	
600-72851-23	E-10E (2-3)	Total/NA	Solid	Moisture	
600-72851-25	E-9 (2-3)	Total/NA	Solid	Moisture	
600-72851-27	E-9 (2-3) Dup	Total/NA	Solid	Moisture	
600-72851-27 DU	E-9 (2-3) Dup	Total/NA	Solid	Moisture	
600-72851-28	TP-10 (1-2)	Total/NA	Solid	Moisture	
600-72851-33	TP-11 (1-2)	Total/NA	Solid	Moisture	
600-72851-37	TP-11 (1-2) Dup	Total/NA	Solid	Moisture	
600-72851-38	D-8 (2-3)	Total/NA	Solid	Moisture	
600-72851-40	BC-8 (2-3)	Total/NA	Solid	Moisture	
600-72851-42	BC-8 (2-3) Dup.	Total/NA	Solid	Moisture	
600-72851-43	E-10N (2-3) Dup.	Total/NA	Solid	Moisture	
600-72851-44	TP-10D	Total/NA	Solid	Moisture	
600-72851-44 DU	TP-10D	Total/NA	Solid	Moisture	
600-72851-45	TP-10G	Total/NA	Solid	Moisture	
600-72851-46	TP-10C	Total/NA	Solid	Moisture	
600-72851-47	TP-10F	Total/NA	Solid	Moisture	
600-72851-48	TP-10E	Total/NA	Solid	Moisture	
600-72851-49	TP-10B	Total/NA	Solid	Moisture	
600-72851-50	TP-10A	Total/NA	Solid	Moisture	
600-72851-51	TP-10H	Total/NA	Solid	Moisture	
600-72851-52	TP-10I	Total/NA	Solid	Moisture	
600-72851-53	DE-6D	Total/NA	Solid	Moisture	
600-72851-54	DE-6C	Total/NA	Solid	Moisture	
600-72851-54 DU	DE-6C	Total/NA	Solid	Moisture	
600-72851-55	DE-6D dup	Total/NA	Solid	Moisture	
600-72851-56	DE-6B	Total/NA	Solid	Moisture	
600-72851-57	DE-6E	Total/NA	Solid	Moisture	
600-72851-58	DE-6F	Total/NA	Solid	Moisture	
600-72851-59	DE-6G	Total/NA	Solid	Moisture	
600-72851-60	DE-6H	Total/NA	Solid	Moisture	
600-72851-61	DE-6A	Total/NA	Solid	Moisture	
600-72851-62	DE-6I	Total/NA	Solid	Moisture	
600-72851-63	TP-11C	Total/NA	Solid	Moisture	
600-72851-64	TP-11D	Total/NA	Solid	Moisture	
600-72851-64 DU	TP-11D	Total/NA	Solid	Moisture	
600-72851-65	TP-11G	Total/NA	Solid	Moisture	
600-72851-66	TP-11G Dup	Total/NA	Solid	Moisture	
600-72851-67	TP-11E	Total/NA	Solid	Moisture	
600-72851-68	TP-11F	Total/NA	Solid	Moisture	
600-72851-69	TP-11H	Total/NA	Solid	Moisture	
600-72851-70	TP-11A	Total/NA	Solid	Moisture	
600-72851-71	TP-11A Dup	Total/NA	Solid	Moisture	
600-72851-72	TP-11B	Total/NA	Solid	Moisture	
600-72851-73	HI-6 (1-2)	Total/NA	Solid	Moisture	
600-72851-74	HI-5 (1-2)	Total/NA	Solid	Moisture	
600-72851-74 DU	HI-5 (1-2)	Total/NA	Solid	Moisture	
600-72851-75	HI-4 (1-2)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 105774 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-76	SCSS-B	Total/NA	Solid	Moisture	
600-72851-77	L-16A4 (1-1.5)	Total/NA	Solid	Moisture	
600-72851-78	M-16A4 (9-11")	Total/NA	Solid	Moisture	
600-72851-79	O-15A16 (1-1.75)	Total/NA	Solid	Moisture	
600-72851-80	O-15A16 (1-1.75) Dup	Total/NA	Solid	Moisture	
600-72851-81	Q16A	Total/NA	Solid	Moisture	
600-72851-82	M-14W (1-2)	Total/NA	Solid	Moisture	
600-72851-83	M-14S (1-2)	Total/NA	Solid	Moisture	
600-72851-84	L-16A2 (1-1.5)	Total/NA	Solid	Moisture	
600-72851-84 DU	L-16A2 (1-1.5)	Total/NA	Solid	Moisture	

Analysis Batch: 105887

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-3MS	N-12 (2-3)	Total/NA	Solid	Moisture	
600-72851-3MSD	N-12 (2-3)	Total/NA	Solid	Moisture	
600-72851-25MS	E-9 (2-3)	Total/NA	Solid	Moisture	
600-72851-25MSD	E-9 (2-3)	Total/NA	Solid	Moisture	
600-72851-44MS	TP-10D	Total/NA	Solid	Moisture	
600-72851-44MSD	TP-10D	Total/NA	Solid	Moisture	
600-72851-62MS	DE-6I	Total/NA	Solid	Moisture	
600-72851-62MSD	DE-6I	Total/NA	Solid	Moisture	
600-72851-74MS	HI-5 (1-2)	Total/NA	Solid	Moisture	
600-72851-74MSD	HI-5 (1-2)	Total/NA	Solid	Moisture	

Client Sample ID: M-12N (1-1.5)
Date Collected: 05/07/13 09:00
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-1
Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: M-12 (1-2)
Date Collected: 05/07/13 09:05
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-2
Matrix: Solid
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: N-12 (2-3)
Date Collected: 05/07/13 00:00
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-3
Matrix: Solid
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:15	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: N-11 (2-3)
Date Collected: 05/07/13 00:00
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-5
Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:27	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: K-10 (2-3)
Date Collected: 05/07/13 00:00
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-7
Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: K-10 (2-3) Dup. — **Lab Sample ID: 600-72851-9**
Date Collected: 05/07/13 00:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 84.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: N-16 (2-3) — **Lab Sample ID: 600-72851-10**
Date Collected: 05/07/13 00:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:47	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: KL-15 (2-3) — **Lab Sample ID: 600-72851-11**
Date Collected: 05/07/13 00:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 84.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: HI-15 (1-2) — **Lab Sample ID: 600-72851-13**
Date Collected: 05/07/13 10:50 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 88.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-9 (5-6) — **Lab Sample ID: 600-72851-16**
Date Collected: 05/07/13 11:05 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:57	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: E-10N (2-3) — **Lab Sample ID: 600-72851-21**
Date Collected: 05/07/13 13:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 83.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: E-10E (2-3) — **Lab Sample ID: 600-72851-23**
Date Collected: 05/07/13 13:25 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 81.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 16:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: E-9 (2-3) — **Lab Sample ID: 600-72851-25**
Date Collected: 05/07/13 13:45 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 82.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 16:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: E-9 (2-3) Dup — **Lab Sample ID: 600-72851-27**
Date Collected: 05/07/13 13:45 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 67.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10 (1-2) — **Lab Sample ID: 600-72851-28**
Date Collected: 05/07/13 14:05 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 80.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11 (1-2) — **Lab Sample ID: 600-72851-33**
Date Collected: 05/07/13 14:50 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 79.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11 (1-2) Dup — **Lab Sample ID: 600-72851-37**
Date Collected: 05/07/13 14:50 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 80.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: D-8 (2-3) — **Lab Sample ID: 600-72851-38**
Date Collected: 05/07/13 15:15 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 77.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: BC-8 (2-3) — **Lab Sample ID: 600-72851-40**
Date Collected: 05/07/13 15:30 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 80.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:24	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: BC-8 (2-3) Dup. — **Lab Sample ID: 600-72851-42**
Date Collected: 05/07/13 15:30 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 80.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: E-10N (2-3) Dup. — **Lab Sample ID: 600-72851-43**
Date Collected: 05/07/13 13:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 83.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10D — **Lab Sample ID: 600-72851-44**
Date Collected: 05/07/13 16:40 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 88.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10G — **Lab Sample ID: 600-72851-45**
Date Collected: 05/07/13 16:45 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 89.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10C — **Lab Sample ID: 600-72851-46**
Date Collected: 05/07/13 16:50 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 95.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:07	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10F — **Lab Sample ID: 600-72851-47**
Date Collected: 05/07/13 17:05 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 89.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10E — **Lab Sample ID: 600-72851-48**
Date Collected: 05/07/13 17:10 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10B — **Lab Sample ID: 600-72851-49**
Date Collected: 05/07/13 17:15 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:22	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10A — **Lab Sample ID: 600-72851-50**
Date Collected: 05/07/13 17:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:25	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10H — **Lab Sample ID: 600-72851-51**
Date Collected: 05/07/13 17:30 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:27	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-10I — **Lab Sample ID: 600-72851-52**
Date Collected: 05/07/13 17:33 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:30	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6D — **Lab Sample ID: 600-72851-53**
Date Collected: 05/08/13 08:10 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 87.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6C — **Lab Sample ID: 600-72851-54**
Date Collected: 05/08/13 08:15 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 94.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6D dup — **Lab Sample ID: 600-72851-55**
Date Collected: 05/08/13 08:10 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6B — **Lab Sample ID: 600-72851-56**
Date Collected: 05/08/13 08:25 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 88.2**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6E — **Lab Sample ID: 600-72851-57**
Date Collected: 05/08/13 08:30 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 83.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6F — **Lab Sample ID: 600-72851-58**
Date Collected: 05/08/13 08:35 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 85.5**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 18:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6G — **Lab Sample ID: 600-72851-59**
Date Collected: 05/08/13 08:40 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6H — **Lab Sample ID: 600-72851-60**
Date Collected: 05/08/13 08:45 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6A — **Lab Sample ID: 600-72851-61**
Date Collected: 05/08/13 08:50 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 86.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: DE-6I — **Lab Sample ID: 600-72851-62**
Date Collected: 05/08/13 08:55 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 89.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Client Sample ID: TP-11C — **Lab Sample ID: 600-72851-63**
Date Collected: 05/08/13 09:15 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:24	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11D — **Lab Sample ID: 600-72851-64**
Date Collected: 05/08/13 09:20 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11G — **Lab Sample ID: 600-72851-65**
Date Collected: 05/08/13 09:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:29	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11G Dup — **Lab Sample ID: 600-72851-66**
Date Collected: 05/08/13 09:25 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: TP-11E — **Lab Sample ID: 600-72851-67**
Date Collected: 05/08/13 09:30 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105861	05/10/13 11:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: HI-6 (1-2) — **Lab Sample ID: 600-72851-73**
Date Collected: 05/08/13 10:35 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 75.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: HI-5 (1-2) — **Lab Sample ID: 600-72851-74**
Date Collected: 05/08/13 11:00 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 76.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: HI-4 (1-2) — **Lab Sample ID: 600-72851-75**
Date Collected: 05/08/13 11:10 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 76.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: SCSS-B — **Lab Sample ID: 600-72851-76**
Date Collected: 05/08/13 11:55 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 74.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: L-16A4 (1-1.5) — **Lab Sample ID: 600-72851-77**
Date Collected: 05/08/13 11:30 — **Matrix: Solid**
Date Received: 05/09/13 08:38 — **Percent Solids: 87.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: M-16A4 (9-11")
Date Collected: 05/08/13 13:15
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-78
Matrix: Solid
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: O-15A16 (1-1.75)
Date Collected: 05/08/13 13:50
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-79
Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: O-15A16 (1-1.75) Dup
Date Collected: 05/08/13 13:50
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-80
Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: Q16A
Date Collected: 05/08/13 14:05
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-81
Matrix: Solid
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 21:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: M-14W (1-2)
Date Collected: 05/08/13 14:35
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-82
Matrix: Solid
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 22:00	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: M-14S (1-2)
Date Collected: 05/08/13 14:45
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-83
Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 22:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Client Sample ID: L-16A2 (1-1.5)
Date Collected: 05/08/13 11:30
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-84
Matrix: Solid
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105897	05/10/13 15:18	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 22:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	105774	05/09/13 12:52	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAm
THE LEADER IN ENVIRO

600-72851 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling, + Wheeler LLC	Tim Nickels	5-7-2013	243475
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 7
2201 Double Creek Dr. Suit 4004	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP (3 Parcel) Frisco, TX			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
M-12N (1-1.5)	5-7-13	9:00				X	X						X	X		
M-12 (1-2)	5-7-13	9:05				X	X						X	X		
N-12 (2-3)													X	X		MS/DS
N-12 (4-5)																
N-11 (2-3)																
N-11 (4-5)																
K-10 (2-3)																
K-10 (4-5)																
K-10 (2-3) Dup.																
N-16 (2-3)																
K-15 (2-3)																
K-15 (4-5)																

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1.	[signature]	5/8/13	1500	[signature]	5/8/13	1500
2.	[signature]	5/8/13	1730			
3.				[signature]	05/09/13	0838

Comments

Distribution: White with Report; CANARY - Stays with the Sample; PINK - Field Copy

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling, & Wheeler LLC	Tim Nichols	5-7-13	243476
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 7**
2201 Double Creek Dr. Suite 4004	512-671-3434		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP (CJ Parcel)			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
HI-15 (1-2)	5-7-13	1050				X	X						X	X		
HI-15 (2-3)		10:45														Hold
HI-15 (4-5)		10:55														Hold
TP-9 (5-6)		11:05											X			
TP-9 (6-7)		11:10														Hold
TP-9 (7-8)		11:15														Hold
TP-9 (8-9)		11:20														Hold
TP-9 (9-10)		11:25														Hold
E-10N (2-3)		13:00											X	X		
E-10N (4-5)		13:10											X	X		
E-10E (2-3)		13:25											X	X		
E-10E (4-5)	↓	13:30				↓	↓						X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

1. Relinquished By	Date	Time	1. Received By	Date	Time
	5/8/13	1500		5/8/13	1500
2. Relinquished By	Date	Time	2. Received By	Date	Time
	5/8/13	1730			
3. Relinquished By	Date	Time	3. Received By	Date	Time
				05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	5-7-13	243473
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 7**
2201 Double Creek Dr Suite 4004	512-667-3434		
City Round Rock **State** TX **Zip Code** 78664	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Exide VCP (J Parcel)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
E-9 (2-3)	5-7-13	13:45				X	X						X	X		MSDS
E-9 (4-5)	5-7-13	13:50											X	X		
E-9 (2-3) Dup		13:45											X	X		
TP-10 (1-2)		14:05													X	
TP-10 (2-3)		14:10														Hold
TP-10 (3-4)		14:15														Hold
TP-10 (4-5)		14:20														Hold
TP-10 (2-3) Dup		14:10														Hold
TP-11 (1-2)		14:50													X	
TP-11 (2-3)		14:55														Hold
TP-11 (3-4)		15:00														Hold
TP-11 (4-5)		15:05														Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

	Date	Time		Date	Time
1. Relinquished By	5/8/13	1500	1. Received By	5/8/13	1500
2. Relinquished By	5/8/13	1730	2. Received By		
3. Relinquished By			3. Received By	05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	5-7-13	205305

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page / of
2201 Double Creek Dr Suite 4004	512-671-3434		Page 4 of 7

City	State	Zip Code	Site Contact	Lab Contact
Round Rock	TX	78664		

Project Name and Location (State)	Carrier/Waybill Number
Exide VCP (5 parcel)	

Contract/Purchase Order/Quote No.: 1829

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
TP-11 (1-2) Dup	5-7-13	1450				X	X								X	
D-8 (2-3)		1515											X	X		
D-8 (4-5)		1520											X	X		
BC-8 (2-3)		1530											X	X		
BC-8 (4-5)		1535											X	X		
BC-8 (2-3) Dup		1530											X	X		
E-10N (2-3) Dup		13:00											X	X		
TP-10D		16:40													X	MSDS
TP-10G		16:45													X	
TP-10C		16:50													X	
TP-10F		17:05													X	
TP-10E	↓	17:10				↓	↓								X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1		5/8/13	1500		5/8/13	1520
2		5/8/13	1730			
3					05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: PBW LLC	Project Manager: Tim Nichols	Date: 5-7-13	Chain of Custody Number: 205003
Address: 2201 Double Creek Dr.	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 5 of 7
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): Exide VCP CA (parcel)	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1829			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Arsenic	Special Instructions/ Conditions of Receipt
TP-10B	5-7-13	17:15				X	X						X	
TP-10A		17:25											X	
TP-10H		1730											X	
TP-10I		1733											X	
DE-6D	5-8-13	8:10											X	
DE-6C		8:15											X	
DE-6D dup		8:10											X	
DE-6B		8:25											X	
DE-6E		8:30											X	
DE-6F		8:35											X	
DE-6G		8:40											X	
DE-6H		8:45											X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP

	Date	Time		Date	Time
1 Relinquished By	5/8/13	1500	1 Received By	5/8/13	1500
2 Relinquished By	5/8/13	1730	2 Received By		
3 Relinquished By			3 Received By	05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	5-8-13	205007

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
2201 Double Cr. Dr. 4004	512-671-3434		Page 6 of 7

City	State	Zip Code	Site Contact	Lab Contact
Round Rock	TX	78664		

Project Name and Location (State)	Carrier/Waybill Number
Exide VCP (5 Parcel)	

Contract/Purchase Order/Quote No
1824

Sample I D No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
DE-6A	5-8-13	850				X	X								X	
DE-6I	"	855													X	MSDS
TP-11C	"	915													X	
TP-11D	"	920													X	
TP-11G	"	925													X	MS/MSD
TP-11G Dup	"	925													X	
TP-11E	"	930													X	
TP-11F	"	935													X	
TP-11H	"	940													X	
TP-11A	"	945													X	
TP-11A Dup	"	945													X	
TP-11B	↓	950				↓	↓								X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Date	Time
1. Relinquished By	5/8/13	1500
2. Relinquished By	5/8/13	1730
3. Relinquished By		

	Date	Time
1. Received By	5/9/13	1500
2. Received By		
3. Received By	05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/17/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	5-8-13	205008
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 7 of 7**
2201 Double Cr. Dr. 4204	512-671-3434		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP (J Parcel)			
Contract/Purchase Order/Quote No.			
1824			

Sample I D No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Lead	Cadmium	Special Instructions/ Conditions of Receipt
HI-6 (1-2)	5-8-13	10:35				X	X						X	X	
HI-5 (1-2)		11:00											X	X	MSDS
HI-4 (1-2)		11:10											X	X	
~~I-16 A4 (1-1.5)~~		~~1130~~											~~X~~	~~X~~	
SCSS-B		11:55											X	X	
C-16A4 (1-1.5)		11:30											X	X	
M-16A4 (9-11")		13:15											X	X	
O-15A16 (1-1.75)		1350											X	X	
O-15A16 (1-1.75) Dup		1350											X	X	
Q-16A		1435											X	X	
M-14W (1-2)		1435											X	X	
M-14S (1-2)		1445											X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1		5/8/13	1500	1. McCowen	5/8/13	1500
2	2. McCowen	5/8/13	1730	2.	Date	Time
3	3.	Date	Time	3.	05/09/13	0838

Comments

DISTRIBUTION WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels		230003
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 3 of 7
2201 Double Creek Dr			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP (5 Year)			
Contract/Purchase Order/Quote No			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Lead Cadmium	Special Instructions/ Conditions of Receipt
L-16A2C(1-1.5)	5-8-13	1:30				X	X						X X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	5/8/13	1500	1. Received By: [signature]	5/8/13	1500
2. Relinquished By: [signature]	5/8/13	1730	2. Received By:		
3. Relinquished By:			3. Received By: [signature]	5/09/13	0638

Comments

DISTRIBUTION. WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72851-1

Login Number: 72851

List Number: 1

Creator: Pulumbarit, Josh

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	22.8 3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72851-2
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/21/2013 3:49:02 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72851-2
Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/21/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/20/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851-2
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105879, 106202- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/20/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851-2
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105879, 106202- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/20/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72851-2
Reviewer Name: TWR	Prep Batch Number(s): 600-105849, 105879, 106202- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected samples from other groups to perform as the MS/MSDs.
2	The laboratory selected samples from other groups to perform as the DUPs.
3	The laboratory selected samples from other groups to perform as the PDS/SDs.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-72851-2

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72851-2

Comments
No additional comments.

Receipt
The samples were received on 5/9/2013 8:38 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 3.8° C and 22.8° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72851-12	KL-15 (4-5)	Solid	05/07/13 00:00	05/09/13 08:38
600-72851-14	HI-15 (2-3)	Solid	05/07/13 10:45	05/09/13 08:38
600-72851-24	E-10E (4-5)	Solid	05/07/13 13:30	05/09/13 08:38
600-72851-39	D-8 (4-5)	Solid	05/07/13 15:20	05/09/13 08:38
600-72851-41	BC-8 (4-5)	Solid	05/07/13 15:35	05/09/13 08:38

Client Sample ID: KL-15 (4-5)

Lab Sample ID: 600-72851-12

Date Collected: 05/07/13 00:00
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 80.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.301		0.301	0.0309	mg/Kg	☼	05/10/13 09:25	05/13/13 15:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			05/15/13 11:38	1
Percent Solids	81		1.0	1.0	%			05/15/13 11:38	1

Client Sample ID: HI-15 (2-3)

Lab Sample ID: 600-72851-14

Date Collected: 05/07/13 10:45
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 83.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.373		0.291	0.0299	mg/Kg	☼	05/15/13 15:48	05/16/13 15:44	1
Lead	12.0		0.582	0.122	mg/Kg	☼	05/15/13 15:48	05/16/13 15:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/15/13 11:38	1
Percent Solids	83		1.0	1.0	%			05/15/13 11:38	1

Client Sample ID: E-10E (4-5)

Lab Sample ID: 600-72851-24

Date Collected: 05/07/13 13:30
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.306		0.295	0.0302	mg/Kg	☼	05/10/13 09:25	05/13/13 16:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/15/13 11:38	1
Percent Solids	85		1.0	1.0	%			05/15/13 11:38	1

Client Sample ID: D-8 (4-5)

Lab Sample ID: 600-72851-39

Date Collected: 05/07/13 15:20
Date Received: 05/09/13 08:38

Matrix: Solid
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.315		0.292	0.0299	mg/Kg	☼	05/10/13 13:31	05/13/13 19:57	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			05/15/13 11:38	1
Percent Solids	81		1.0	1.0	%			05/15/13 11:38	1

NKT
6-22-13

TestAmerica Houston

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Client Sample ID: BC-8 (4-5)
Date Collected: 05/07/13 15:35
Date Received: 05/09/13 08:38

Lab Sample ID: 600-72851-41
Matrix: Solid
Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	15.8		0.587	0.123	mg/Kg	☼	05/10/13 13:31	05/13/13 20:00	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/15/13 11:38	1
Percent Solids	84		1.0	1.0	%			05/15/13 11:38	1

MLT
6-22-13

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-105849/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105849

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 09:25	05/13/13 14:58	1

Lab Sample ID: LCSSRM 600-105849/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105849

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	110.9		mg/Kg		107.7	83.6 - 115.5

Lab Sample ID: MB 600-105879/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105879

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 13:31	05/13/13 19:48	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 13:31	05/13/13 19:48	1

Lab Sample ID: LCSSRM 600-105879/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105879

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	104.5		mg/Kg		101.5	83.6 - 115.5
Lead	76.9	74.40		mg/Kg		96.7	81.3 - 118.7

Lab Sample ID: MB 600-106202/1-A
Matrix: Solid
Analysis Batch: 106260

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 106202

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/15/13 15:48	05/16/13 15:40	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/15/13 15:48	05/16/13 15:40	1

Lab Sample ID: LCSSRM 600-106202/2-A
Matrix: Solid
Analysis Batch: 106260

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106202

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	103.1		mg/Kg		100.1	83.6 - 115.5
Lead	76.9	76.80		mg/Kg		99.9	81.3 - 118.7

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Method: Moisture - Percent Moisture

Lab Sample ID: 600-72851-24 DU
Matrix: Solid
Analysis Batch: 106159

Client Sample ID: E-10E (4-5)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		15		%		4	20
Percent Solids	85		85		%		0.8	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 105849

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-12	KL-15 (4-5)	Total/NA	Solid	3050B	
600-72851-24	E-10E (4-5)	Total/NA	Solid	3050B	
LCSSRM 600-105849/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105849/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 105879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-39	D-8 (4-5)	Total/NA	Solid	3050B	
600-72851-41	BC-8 (4-5)	Total/NA	Solid	3050B	
LCSSRM 600-105879/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105879/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-12	KL-15 (4-5)	Total/NA	Solid	6010B	105849
600-72851-24	E-10E (4-5)	Total/NA	Solid	6010B	105849
600-72851-39	D-8 (4-5)	Total/NA	Solid	6010B	105879
600-72851-41	BC-8 (4-5)	Total/NA	Solid	6010B	105879
LCSSRM 600-105849/2-A	Lab Control Sample	Total/NA	Solid	6010B	105849
LCSSRM 600-105879/2-A	Lab Control Sample	Total/NA	Solid	6010B	105879
MB 600-105849/1-A	Method Blank	Total/NA	Solid	6010B	105849
MB 600-105879/1-A	Method Blank	Total/NA	Solid	6010B	105879

Prep Batch: 106202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-14	HI-15 (2-3)	Total/NA	Solid	3050B	
LCSSRM 600-106202/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-106202/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106260

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-14	HI-15 (2-3)	Total/NA	Solid	6010B	106202
LCSSRM 600-106202/2-A	Lab Control Sample	Total/NA	Solid	6010B	106202
MB 600-106202/1-A	Method Blank	Total/NA	Solid	6010B	106202

General Chemistry

Analysis Batch: 106159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72851-12	KL-15 (4-5)	Total/NA	Solid	Moisture	
600-72851-14	HI-15 (2-3)	Total/NA	Solid	Moisture	
600-72851-24	E-10E (4-5)	Total/NA	Solid	Moisture	
600-72851-24 DU	E-10E (4-5)	Total/NA	Solid	Moisture	
600-72851-39	D-8 (4-5)	Total/NA	Solid	Moisture	
600-72851-41	BC-8 (4-5)	Total/NA	Solid	Moisture	

Client Sample ID: KL-15 (4-5) — **Lab Sample ID: 600-72851-12**
Date Collected: 05/07/13 00:00 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 15:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106159	05/15/13 11:38	AS	TAL HOU

Client Sample ID: HI-15 (2-3) — **Lab Sample ID: 600-72851-14**
Date Collected: 05/07/13 10:45 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106202	05/15/13 15:48	NER	TAL HOU
Total/NA	Analysis	6010B		1	106260	05/16/13 15:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106159	05/15/13 11:38	AS	TAL HOU

Client Sample ID: E-10E (4-5) — **Lab Sample ID: 600-72851-24**
Date Collected: 05/07/13 13:30 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105849	05/10/13 09:25	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 16:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106159	05/15/13 11:38	AS	TAL HOU

Client Sample ID: D-8 (4-5) — **Lab Sample ID: 600-72851-39**
Date Collected: 05/07/13 15:20 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 19:57	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106159	05/15/13 11:38	AS	TAL HOU

Client Sample ID: BC-8 (4-5) — **Lab Sample ID: 600-72851-41**
Date Collected: 05/07/13 15:35 — Matrix: Solid
Date Received: 05/09/13 08:38 — Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105879	05/10/13 13:31	NER	TAL HOU
Total/NA	Analysis	6010B		1	106003	05/13/13 20:00	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106159	05/15/13 11:38	AS	TAL HOU

Laboratory References:
TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72851-2

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAm

THE LEADER IN ENVIRO

600-72851 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling, + Wheeler LLC	Tim Nichols	5-7-2013	243475
Address 2201 Double Creek Dr. Suit 4004	**Telephone Number (Area Code)/Fax Number** 512-671-3434	**Lab Number**	**Page** 1 of 2
City Round Rock **State** TX **Zip Code** 78664	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Exide VCP (Parcel) Frisco, TX	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
M-12N (1-1.5)	5-7-13	9:00				X	X						X	X		
M-12 (1-2)	5-7-13	9:05				X	X						X	X		
N-12 (2-3)													X	X		MS/DS
N-12 (4-5)																
N-11 (2-3)																
N-11 (4-5)																
K-10 (2-3)																
K-10 (4-5)																
K-10 (2-3) Dup.																
N-16 (2-3)																
K-15 (2-3)																
K-15 (4-5)																

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

	Date	Time		Date	Time
1. Relinquished By	5/8/13	1500	1. Received By	5/8/13	1530
2. Relinquished By	5/8/13	1730	2. Received By		
3. Relinquished By			3. Received By	05/09/13	0838

Comments

Distribution: WHITE - Stays with the Sample; YELLOW - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling, & Wheeler LLC	Tim Nichols	5-7-13	243476
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 2 of 7
2201 Double Creek Dr. Suit 4004	512-671-3434		
City Round Rock / **State** TX / **Zip Code** 78664	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Exide VCP (J Parcel)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
HI-15 (1-2)	5-7-13	10:50				X	X						X	X		
HI-15 (2-3)		10:45														Hold
HI-15 (4-5)		10:55														Hold
TP-9 (5-6)		11:05											X			
TP-9 (6-7)		11:10														Hold
TP-9 (7-8)		11:15														Hold
TP-9 (8-9)		11:20														Hold
TP-9 (9-10)		11:25														Hold
E-10N (2-3)		13:00											X	X		
E-10N (4-5)		13:10											X	X		
E-10E (2-3)		13:25											X	X		
E-10E (4-5)	↓	13:30				↓	↓						X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

	Date	Time		Date	Time
1. Relinquished By	5/8/13	1500	1. Received By	5/8/13	1500
2. Relinquished By	5/8/13	1730	2. Received By		
3. Relinquished By			3. Received By	05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	5-7-13	243473
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 3 of 7
2201 Double Creek Dr Suite 4004	512-667-3434		
City Round Rock **State** TX **Zip Code** 78664	**Site Contact**	**Lab Contact**	
Project Name and Location (State) Exide VCP (J Parcel)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No. 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
E-9 (2-3)	5-7-13	13:45				X	X						X	X		MS DS
E-9 (4-5)	5-7-13	13:50											X	X		
E-9 (2-3) Dup		13:45											X	X		
TP-10 (1-2)		14:05													X	
TP-10 (2-3)		14:10														Hold
TP-10 (3-4)		14:15														Hold
TP-10 (4-5)		14:20														Hold
TP-10 (2-3) Dup		14:10														Hold
TP-11 (1-2)		14:50													X	
TP-11 (2-3)		14:55														Hold
TP-11 (3-4)		15:00														Hold
TP-11 (4-5)	↓	15:05				↓	↓									Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1.		5/8/13	1500		5/8/13	1500
2.		5/8/13	1730			
3.					05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	5-7-13	205005

Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page
2201 Double Creek Dr Suite 4004	512-671-3434		Page 4 of 7

City	State	Zip Code	Site Contact	Lab Contact
Round Rock	TX	78664		

Project Name and Location (State)	Carrier/Waybill Number
Exide VCP (5 parcel)	

Contract/Purchase Order/Quote No.: 1824

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
TP-11 (1-2) Dup	5-7-13	1450				X	X								X	
D-8 (2-3)		1515											X	X		
D-8 (4-5)		1520											X	X		
BC-8 (2-3)		1530											X	X		
BC-8 (4-5)		1535											X	X		
BC-8 (2-3) Dup		1530											X	X		
E-10N (2-3) Dup		13:00											X	X		
TP-10D		16:40													X	MSDS
TP-10G		16:45													X	
TP-10C		16:50													X	
TP-10F		17:05													X	
TP-10E		17:10													X	

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1		5/8/13	1500		5/8/13	1520
2		5/8/13	1730			
3					05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample: PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nields	5-7-13	205003
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 5 of 7
2201 Double Creek Dr.	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP CT (parcel)			
Contract/Purchase Order/Quote No.			
1829			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Arsenic	Special Instructions/ Conditions of Receipt
TP-10B	5-7-13	17:15				X	X						X	
TP-10A		1725											X	
TP-10H		1730											X	
TP-10I		1733											X	
DE-6D	5-8-13	8:10											X	
DE-6C		8:15											X	
DE-6D dup		8:10											X	
DE-6B		8:25											X	
DE-6E		8:30											X	
DE-6F		8:35											X	
DE-6G		8:40											X	
DE-6H		8:45											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Date	Time		Date	Time
1 Relinquished By	5/8/13	1500	1 Received By	5/8/13	1500
2 Relinquished By	5/8/13	1730	2. Received By		
3 Relinquished By			3 Received By	05/09/13	08:38

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample. PINK - Field Copy

Page 24 of 28

5/21/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	5-8-13	205007
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 6 of 7**
2201 Double Cr. Dr. 4004	512-671-3439		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP (5 Parcel)			
Contract/Purchase Order/Quote No			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Arsenic	Special Instructions/ Conditions of Receipt
DE-6A	5-8-13	850				X	X								X	
DE-6I		855													X	MSDS
TP-11C		915													X	
TP-11D		920													X	
TP-11G		925													X	MS/MSD
TP-11G-Dup		925													X	
TP-11E		930													X	
TP-11F		935													X	
TP-11H		940													X	
TP-11A		945													X	
TP-11A Dup		945													X	
TP-11B		950													X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Date	Time
1. Relinquished By	5/8/13	1500
2. Relinquished By	5/8/13	1730
3. Relinquished By		

	Date	Time
1. Received By	5/9/13	1500
2. Received By		
3. Received By	05/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	5-8-13	205008
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
2201 Double Cr. Dr. 4004	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP CJ Parcel)			
Contract/Purchase Order/Quote No.			
1824			

Sample ID No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Special Instructions/ Conditions of Receipt
H-6 (1-2)	5-8-13	10:35				X	X						X	X	
H-5 (1-2)		11:00											X	X	MSDS
H-4 (1-2)		11:10											X	X	
~~I-6 A4 (1-1.5) Dup~~		~~1120~~											~~X~~	~~X~~	
S-SS-B		11:55											X	X	
L-16A4 (1-1.5)		11:30											X	X	
M-16A4 (9-11")		13:15											X	X	
O-15A16 (1-1.75)		1350											X	X	
O-15A16 (1-1.75) Dup		1350											X	X	
Q-16A		14:55											X	X	
M-14W (1-2)		14:35											X	X	
M-14S (1-2)	↓	1445				↓							X	X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1		5/8/13	1500	1.	5/8/13	1500
2		5/8/13	1730	2.		
3				3.	05/09/13	0838

Comments

DISTRIBUTION WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: PBW LLC	Project Manager: Tim Nichols	Date:	Chain of Custody Number: 250103
Address: 2201 Double Creek Dr	Telephone Number (Area Code)/Fax Number:	Lab Number:	Page 8 of 7
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	Analysis (Attach list if more space is needed): Lead (Cadmium)
Project Name and Location (State): Exide VCP (TX)	Carrier/Waybill Number:		Special Instructions/ Conditions of Receipt
Contract/Purchase Order/Quote No: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Lead (Cadmium)
L-16A2C(-1.5)	5-8-13	1630				X	X						X

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 60 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1		5/8/13	1500	1.	5/8/13	1500
2		5/8/13	1730	2.		
3				3.	5/09/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72851-2

Login Number: 72851
List Number: 1
Creator: Pulumbarit, Josh

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	22.8 3.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72908-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/17/2013 4:40:48 PM
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Designee for

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72908-1
Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/17/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/16/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72908
Reviewer Name: TWR	Prep Batch Number(s): 600-105922, 105993- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			3
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/16/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72908
Reviewer Name: TWR	Prep Batch Number(s): 600-105922, 105993- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?		X			4
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	5
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/16/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72908
Reviewer Name: TWR	Prep Batch Number(s): 600-105922, 105993- ICP

ER #[1]	DESCRIPTION
1	Copper was detected above the MDL, but below the MQL in the prep blank for batch 105922. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.
2	The copper recoveries in samples 72908-2 MS and MSD were outside acceptance limits, but were not flagged due to the background sample result being greater than four times the spike added concentration. Method performance is demonstrated by acceptable LCS recoveries.
3	The lead RPD between samples 72908-14 and 72908-14 MD was above acceptance limits due to the non-homogenous nature of the samples.
4	Copper was detected above the MDL in the CCBs analyzed on 05/16/13 at 14:10 and 14:27. Since the concentrations were below the MQL, no corrective action was required.
5	The laboratory selected samples from other groups to perform as the PDS/SDs.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-72908-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72908-1

Comments
No additional comments.

Receipt
The samples were received on 5/10/2013 8:34 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 7.8° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72908-1	L-17W (1-2)	Solid	05/08/13 15:30	05/10/13 08:34
600-72908-2	CF-5	Solid	05/08/13 16:20	05/10/13 08:34
600-72908-3	CF-6	Solid	05/08/13 16:25	05/10/13 08:34
600-72908-4	CF-7	Solid	05/08/13 16:35	05/10/13 08:34
600-72908-5	CF-8	Solid	05/08/13 16:40	05/10/13 08:34
600-72908-6	CF-9	Solid	05/08/13 16:45	05/10/13 08:34
600-72908-7	CF-10	Solid	05/08/13 16:50	05/10/13 08:34
600-72908-8	TP-33 (1)	Solid	05/09/13 09:50	05/10/13 08:34
600-72908-9	TP-33 (2)	Solid	05/09/13 10:20	05/10/13 08:34
600-72908-10	TP-34 (1)	Solid	05/09/13 10:30	05/10/13 08:34
600-72908-11	TP-35 (1)	Solid	05/09/13 10:50	05/10/13 08:34
600-72908-12	TP-36 (1.5)	Solid	05/09/13 11:00	05/10/13 08:34
600-72908-13	TP-37 (1)	Solid	05/09/13 11:25	05/10/13 08:34
600-72908-14	TP-37 (4)	Solid	05/09/13 11:30	05/10/13 08:34
600-72908-15	TP-37 (4) Dup	Solid	05/09/13 11:30	05/10/13 08:34
600-72908-16	TP-38 (1)	Solid	05/09/13 11:55	05/10/13 08:34
600-72908-17	TP-38 (4)	Solid	05/09/13 12:00	05/10/13 08:34
600-72908-18	TP-38 (4) Dup	Solid	05/09/13 12:00	05/10/13 08:34
600-72908-19	TP-39 (1.5)	Solid	05/09/13 12:10	05/10/13 08:34
600-72908-20	TP-39 (3.5)	Solid	05/09/13 12:15	05/10/13 08:34
600-72908-21	TP-40 (1)	Solid	05/09/13 12:25	05/10/13 08:34
600-72908-22	TP-40 (3)	Solid	05/09/13 12:30	05/10/13 08:34

Client Sample ID: L-17W (1-2) — **Lab Sample ID: 600-72908-1**
Date Collected: 05/08/13 15:30 — Matrix: Solid
Date Received: 05/10/13 08:34 — Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.516		0.281	0.0288	mg/Kg	☼	05/10/13 17:37	05/14/13 13:42	1
Lead	27.0		0.561	0.118	mg/Kg	☼	05/10/13 17:37	05/14/13 15:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	84		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: CF-5 — **Lab Sample ID: 600-72908-2**
Date Collected: 05/08/13 16:20 — Matrix: Solid
Date Received: 05/10/13 08:34 — Percent Solids: 80.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	1100	B	0.618	0.215	mg/Kg	☼	05/10/13 17:37	05/14/13 13:45	1
Tin	47.0		1.24	0.108	mg/Kg	☼	05/10/13 17:37	05/14/13 13:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	80		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: CF-6 — **Lab Sample ID: 600-72908-3**
Date Collected: 05/08/13 16:25 — Matrix: Solid
Date Received: 05/10/13 08:34 — Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	264	B	0.546	0.190	mg/Kg	☼	05/10/13 17:37	05/14/13 13:55	1
Tin	18.9		1.09	0.0953	mg/Kg	☼	05/10/13 17:37	05/14/13 13:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	90		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: CF-7 — **Lab Sample ID: 600-72908-4**
Date Collected: 05/08/13 16:35 — Matrix: Solid
Date Received: 05/10/13 08:34 — Percent Solids: 77.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	95.9	B	0.604	0.210	mg/Kg	☼	05/10/13 17:37	05/14/13 13:58	1
Tin	7.51		1.21	0.106	mg/Kg	☼	05/10/13 17:37	05/14/13 13:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	77		1.0	1.0	%			05/10/13 14:34	1

5/22/13
TestAmerica Houston

Client Sample ID: CF-8
Date Collected: 05/08/13 16:40
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-5
Matrix: Solid
Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	157	b	0.563	0.196	mg/Kg	☼	05/10/13 17:37	05/14/13 14:01	1
Tin	11.1		1.13	0.0984	mg/Kg	☼	05/10/13 17:37	05/14/13 14:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	85		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: CF-9
Date Collected: 05/08/13 16:45
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-6
Matrix: Solid
Percent Solids: 90.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	85.6	b	0.541	0.188	mg/Kg	☼	05/10/13 17:37	05/14/13 14:03	1
Tin	8.03		1.08	0.0944	mg/Kg	☼	05/10/13 17:37	05/14/13 14:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.4		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	91		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: CF-10
Date Collected: 05/08/13 16:50
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-7
Matrix: Solid
Percent Solids: 90.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	209	b	0.520	0.181	mg/Kg	☼	05/10/13 17:37	05/14/13 14:13	1
Tin	13.5		1.04	0.0908	mg/Kg	☼	05/10/13 17:37	05/14/13 14:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.4		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	91		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-33 (1)
Date Collected: 05/09/13 09:50
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-8
Matrix: Solid
Percent Solids: 91.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0504	J	0.252	0.0258	mg/Kg	☼	05/10/13 17:37	05/14/13 14:15	1
Lead	13.8		0.504	0.106	mg/Kg	☼	05/10/13 17:37	05/14/13 15:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	91		1.0	1.0	%			05/10/13 14:34	1

MK 6-22-13

TestAmerica Houston

Client Sample ID: TP-33 (2)

Lab Sample ID: 600-72908-9

Date Collected: 05/09/13 10:20
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0458	J	0.286	0.0294	mg/Kg	☼	05/13/13 13:37	05/15/13 09:58	1
Lead	10.5		0.572	0.120	mg/Kg	☼	05/13/13 13:37	05/15/13 09:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	87		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-34 (1)

Lab Sample ID: 600-72908-10

Date Collected: 05/09/13 10:30
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 93.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0254	U	0.247	0.0254	mg/Kg	☼	05/13/13 13:37	05/15/13 10:01	1
Lead	12.0		0.495	0.104	mg/Kg	☼	05/13/13 13:37	05/15/13 10:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.4		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	94		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-35 (1)

Lab Sample ID: 600-72908-11

Date Collected: 05/09/13 10:50
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0278	U	0.271	0.0278	mg/Kg	☼	05/13/13 13:37	05/15/13 10:03	1
Lead	13.1		0.543	0.114	mg/Kg	☼	05/13/13 13:37	05/15/13 10:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	89		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-36 (1.5)

Lab Sample ID: 600-72908-12

Date Collected: 05/09/13 11:00
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 91.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0260	U	0.253	0.0260	mg/Kg	☼	05/13/13 13:37	05/15/13 10:06	1
Lead	10.4		0.506	0.106	mg/Kg	☼	05/13/13 13:37	05/15/13 10:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.6		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	91		1.0	1.0	%			05/10/13 14:34	1

MK 6.22.13

TestAmerica Houston

Client Sample ID: TP-37 (1)

Lab Sample ID: 600-72908-13
Matrix: Solid
Percent Solids: 87.2

Date Collected: 05/09/13 11:25
Date Received: 05/10/13 08:34

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.258	J	0.287	0.0294	mg/Kg	☼	05/13/13 13:37	05/15/13 10:08	1
Lead	30.1		0.574	0.120	mg/Kg	☼	05/13/13 13:37	05/15/13 10:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	87		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-37 (4)

Lab Sample ID: 600-72908-14
Matrix: Solid
Percent Solids: 84.4

Date Collected: 05/09/13 11:30
Date Received: 05/10/13 08:34

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.452		0.293	0.0301	mg/Kg	☼	05/13/13 13:37	05/15/13 10:11	1
Lead	27.2		0.587	0.123	mg/Kg	☼	05/13/13 13:37	05/15/13 10:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	84		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-37 (4) Dup

Lab Sample ID: 600-72908-15
Matrix: Solid
Percent Solids: 87.5

Date Collected: 05/09/13 11:30
Date Received: 05/10/13 08:34

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.429		0.275	0.0282	mg/Kg	☼	05/13/13 13:37	05/15/13 10:21	1
Lead	27.3		0.549	0.115	mg/Kg	☼	05/13/13 13:37	05/15/13 10:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	88		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-38 (1)

Lab Sample ID: 600-72908-16
Matrix: Solid
Percent Solids: 92.0

Date Collected: 05/09/13 11:55
Date Received: 05/10/13 08:34

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.129	J	0.269	0.0276	mg/Kg	☼	05/13/13 13:37	05/15/13 10:37	1
Lead	33.5		0.538	0.113	mg/Kg	☼	05/13/13 13:37	05/15/13 10:37	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.0		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	92		1.0	1.0	%			05/10/13 14:34	1

TestAmerica Houston

Client Sample ID: TP-38 (4)

Lab Sample ID: 600-72908-17
Date Collected: 05/09/13 12:00
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.200	J	0.263	0.0270	mg/Kg	☼	05/13/13 13:37	05/15/13 10:39	1
Lead	14.1	J1-FD	0.526	0.110	mg/Kg	☼	05/13/13 13:37	05/15/13 10:39	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	90		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-38 (4) Dup

Lab Sample ID: 600-72908-18
Date Collected: 05/09/13 12:00
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 57.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.253	J	0.407	0.0418	mg/Kg	☼	05/13/13 13:37	05/15/13 10:42	1
Lead	23.7	J1-FD	0.815	0.171	mg/Kg	☼	05/13/13 13:37	05/15/13 10:42	ECS 1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	43		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	57		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-39 (1.5)

Lab Sample ID: 600-72908-19
Date Collected: 05/09/13 12:10
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 89.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.133	J	0.255	0.0262	mg/Kg	☼	05/13/13 13:37	05/15/13 10:44	1
Lead	20.1		0.510	0.107	mg/Kg	☼	05/13/13 13:37	05/15/13 10:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	90		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-39 (3.5)

Lab Sample ID: 600-72908-20
Date Collected: 05/09/13 12:15
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 78.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.113	J	0.313	0.0321	mg/Kg	☼	05/13/13 13:37	05/15/13 10:47	1
Lead	19.7		0.627	0.131	mg/Kg	☼	05/13/13 13:37	05/15/13 10:47	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	78		1.0	1.0	%			05/10/13 14:34	1

MV1 6/22/13

Client Sample ID: TP-40 (1)
Date Collected: 05/09/13 12:25
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-21
Matrix: Solid
Percent Solids: 64.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.504		0.382	0.0392	mg/Kg	☼	05/13/13 13:37	05/15/13 10:50	1
Lead	33.2		0.764	0.160	mg/Kg	☼	05/13/13 13:37	05/15/13 10:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	35		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	65		1.0	1.0	%			05/10/13 14:34	1

Client Sample ID: TP-40 (3)
Date Collected: 05/09/13 12:30
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-22
Matrix: Solid
Percent Solids: 60.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.322	J	0.402	0.0413	mg/Kg	☼	05/13/13 13:37	05/15/13 10:52	1
Lead	27.9		0.805	0.169	mg/Kg	☼	05/13/13 13:37	05/15/13 10:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	39		1.0	1.0	%			05/10/13 14:34	1
Percent Solids	61		1.0	1.0	%			05/10/13 14:34	1

MK7
6-22-13

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
F	Duplicate RPD exceeds the control limit
b	The compound was found in the blank and sample
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-105922/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105922

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 17:37	05/13/13 23:02	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/10/13 17:37	05/13/13 23:02	1

Lab Sample ID: MB 600-105922/29-A
Matrix: Solid
Analysis Batch: 106089

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105922

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/10/13 17:37	05/14/13 14:18	1
Copper	0.1750	J	0.500	0.174	mg/Kg		05/10/13 17:37	05/14/13 14:18	1
Tin	0.0873	U	1.00	0.0873	mg/Kg		05/10/13 17:37	05/14/13 14:18	1

Lab Sample ID: LCSSRM 600-105922/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105922

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	104.2		mg/Kg		101.2	83.6 - 115.5
Lead	76.9	81.54		mg/Kg		106.0	81.3 - 118.7
Copper	118	119.8		mg/Kg		101.5	81.6 - 117.8
Tin	142	131.3		mg/Kg		92.5	78.9 - 121.1

Lab Sample ID: 600-72908-2 MS
Matrix: Solid
Analysis Batch: 106089

Client Sample ID: CF-5
Prep Type: Total/NA
Prep Batch: 105922

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.11		28.9	28.61		mg/Kg	☼	95	75 - 125
Copper	1100	b	57.8	978.5	4	mg/Kg	☼	-204	75 - 125
Tin	47.0		57.8	92.06		mg/Kg	☼	78	75 - 125

NA

Lab Sample ID: 600-72908-2 MSD
Matrix: Solid
Analysis Batch: 106089

Client Sample ID: CF-5
Prep Type: Total/NA
Prep Batch: 105922

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.11		29.7	29.73		mg/Kg	☼	96	75 - 125	4	20
Copper	1100	b	59.5	1064	4	mg/Kg	☼	-55	75 - 125	8	20
Tin	47.0		59.5	102.8		mg/Kg	☼	94	75 - 125	11	20

NA

Lab Sample ID: 600-72908-2 DU
Matrix: Solid
Analysis Batch: 106089

Client Sample ID: CF-5
Prep Type: Total/NA
Prep Batch: 105922

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.11		1.090		mg/Kg	☼	2	20

NA Orig conc > 4x Spk conc

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-72908-2 DU
Matrix: Solid
Analysis Batch: 106089

Client Sample ID: CF-5
Prep Type: Total/NA
Prep Batch: 105922

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Copper	1100	b	1013		mg/Kg	☼	8	20
Tin	47.0		43.45		mg/Kg	☼	8	20

Lab Sample ID: MB 600-105993/1-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 105993

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/13/13 13:37	05/13/13 17:47	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/13/13 13:37	05/13/13 17:47	1

Lab Sample ID: LCSSRM 600-105993/2-A
Matrix: Solid
Analysis Batch: 106003

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 105993

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	105.8		mg/Kg		102.7	83.6 - 115.5
Lead	76.9	74.18		mg/Kg		96.5	81.3 - 118.7

Lab Sample ID: 600-72908-14 MS
Matrix: Solid
Analysis Batch: 106156

Client Sample ID: TP-37 (4)
Prep Type: Total/NA
Prep Batch: 105993

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.452		29.3	30.59		mg/Kg	☼	103	75 - 125
Lead	27.2		58.7	84.96		mg/Kg	☼	99	75 - 125

Lab Sample ID: 600-72908-14 MSD
Matrix: Solid
Analysis Batch: 106156

Client Sample ID: TP-37 (4)
Prep Type: Total/NA
Prep Batch: 105993

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.452		27.7	29.09		mg/Kg	☼	103	75 - 125	5	20
Lead	27.2		55.4	83.86		mg/Kg	☼	102	75 - 125	1	20

Lab Sample ID: 600-72908-14 DU
Matrix: Solid
Analysis Batch: 106156

Client Sample ID: TP-37 (4)
Prep Type: Total/NA
Prep Batch: 105993

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.452		0.4445		mg/Kg	☼	2	20
Lead	27.2		20.20	F	mg/Kg	☼	29	20

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Method: Moisture - Percent Moisture

Lab Sample ID: 600-72908-7 DU
Matrix: Solid
Analysis Batch: 105891

Client Sample ID: CF-10
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.4		9.1		%		3	20
Percent Solids	91		91		%		0.3	20

Lab Sample ID: 600-72908-17 DU
Matrix: Solid
Analysis Batch: 105891

Client Sample ID: TP-38 (4)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		9.5		%		8	20
Percent Solids	90		91		%		0.9	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Copper	0.500	0.174	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B
Tin	1.00	0.0873	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 105922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-1	L-17W (1-2)	Total/NA	Solid	3050B	
600-72908-2	CF-5	Total/NA	Solid	3050B	
600-72908-2 DU	CF-5	Total/NA	Solid	3050B	
600-72908-2 MS	CF-5	Total/NA	Solid	3050B	
600-72908-2 MSD	CF-5	Total/NA	Solid	3050B	
600-72908-3	CF-6	Total/NA	Solid	3050B	
600-72908-4	CF-7	Total/NA	Solid	3050B	
600-72908-5	CF-8	Total/NA	Solid	3050B	
600-72908-6	CF-9	Total/NA	Solid	3050B	
600-72908-7	CF-10	Total/NA	Solid	3050B	
600-72908-8	TP-33 (1)	Total/NA	Solid	3050B	
LCSSRM 600-105922/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105922/1-A	Method Blank	Total/NA	Solid	3050B	
MB 600-105922/29-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 105993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-9	TP-33 (2)	Total/NA	Solid	3050B	
600-72908-10	TP-34 (1)	Total/NA	Solid	3050B	
600-72908-11	TP-35 (1)	Total/NA	Solid	3050B	
600-72908-12	TP-36 (1.5)	Total/NA	Solid	3050B	
600-72908-13	TP-37 (1)	Total/NA	Solid	3050B	
600-72908-14	TP-37 (4)	Total/NA	Solid	3050B	
600-72908-14 DU	TP-37 (4)	Total/NA	Solid	3050B	
600-72908-14 MS	TP-37 (4)	Total/NA	Solid	3050B	
600-72908-14 MSD	TP-37 (4)	Total/NA	Solid	3050B	
600-72908-15	TP-37 (4) Dup	Total/NA	Solid	3050B	
600-72908-16	TP-38 (1)	Total/NA	Solid	3050B	
600-72908-17	TP-38 (4)	Total/NA	Solid	3050B	
600-72908-18	TP-38 (4) Dup	Total/NA	Solid	3050B	
600-72908-19	TP-39 (1.5)	Total/NA	Solid	3050B	
600-72908-20	TP-39 (3.5)	Total/NA	Solid	3050B	
600-72908-21	TP-40 (1)	Total/NA	Solid	3050B	
600-72908-22	TP-40 (3)	Total/NA	Solid	3050B	
LCSSRM 600-105993/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-105993/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 600-105922/2-A	Lab Control Sample	Total/NA	Solid	6010B	105922
LCSSRM 600-105993/2-A	Lab Control Sample	Total/NA	Solid	6010B	105993
MB 600-105922/1-A	Method Blank	Total/NA	Solid	6010B	105922
MB 600-105993/1-A	Method Blank	Total/NA	Solid	6010B	105993

Analysis Batch: 106089

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-1	L-17W (1-2)	Total/NA	Solid	6010B	105922
600-72908-2	CF-5	Total/NA	Solid	6010B	105922
600-72908-2 DU	CF-5	Total/NA	Solid	6010B	105922
600-72908-2 MS	CF-5	Total/NA	Solid	6010B	105922
600-72908-2 MSD	CF-5	Total/NA	Solid	6010B	105922

Metals (Continued)

Analysis Batch: 106089 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-3	CF-6	Total/NA	Solid	6010B	105922
600-72908-4	CF-7	Total/NA	Solid	6010B	105922
600-72908-5	CF-8	Total/NA	Solid	6010B	105922
600-72908-6	CF-9	Total/NA	Solid	6010B	105922
600-72908-7	CF-10	Total/NA	Solid	6010B	105922
600-72908-8	TP-33 (1)	Total/NA	Solid	6010B	105922
MB 600-105922/29-A	Method Blank	Total/NA	Solid	6010B	105922

Analysis Batch: 106100

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-1	L-17W (1-2)	Total/NA	Solid	6010B	105922
600-72908-8	TP-33 (1)	Total/NA	Solid	6010B	105922

Analysis Batch: 106156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-9	TP-33 (2)	Total/NA	Solid	6010B	105993
600-72908-10	TP-34 (1)	Total/NA	Solid	6010B	105993
600-72908-11	TP-35 (1)	Total/NA	Solid	6010B	105993
600-72908-12	TP-36 (1.5)	Total/NA	Solid	6010B	105993
600-72908-13	TP-37 (1)	Total/NA	Solid	6010B	105993
600-72908-14	TP-37 (4)	Total/NA	Solid	6010B	105993
600-72908-14 DU	TP-37 (4)	Total/NA	Solid	6010B	105993
600-72908-14 MS	TP-37 (4)	Total/NA	Solid	6010B	105993
600-72908-14 MSD	TP-37 (4)	Total/NA	Solid	6010B	105993
600-72908-15	TP-37 (4) Dup	Total/NA	Solid	6010B	105993
600-72908-16	TP-38 (1)	Total/NA	Solid	6010B	105993
600-72908-17	TP-38 (4)	Total/NA	Solid	6010B	105993
600-72908-18	TP-38 (4) Dup	Total/NA	Solid	6010B	105993
600-72908-19	TP-39 (1.5)	Total/NA	Solid	6010B	105993
600-72908-20	TP-39 (3.5)	Total/NA	Solid	6010B	105993
600-72908-21	TP-40 (1)	Total/NA	Solid	6010B	105993
600-72908-22	TP-40 (3)	Total/NA	Solid	6010B	105993

General Chemistry

Analysis Batch: 105891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-1	L-17W (1-2)	Total/NA	Solid	Moisture	
600-72908-2	CF-5	Total/NA	Solid	Moisture	
600-72908-3	CF-6	Total/NA	Solid	Moisture	
600-72908-4	CF-7	Total/NA	Solid	Moisture	
600-72908-5	CF-8	Total/NA	Solid	Moisture	
600-72908-6	CF-9	Total/NA	Solid	Moisture	
600-72908-7	CF-10	Total/NA	Solid	Moisture	
600-72908-7 DU	CF-10	Total/NA	Solid	Moisture	
600-72908-8	TP-33 (1)	Total/NA	Solid	Moisture	
600-72908-9	TP-33 (2)	Total/NA	Solid	Moisture	
600-72908-10	TP-34 (1)	Total/NA	Solid	Moisture	
600-72908-11	TP-35 (1)	Total/NA	Solid	Moisture	
600-72908-12	TP-36 (1.5)	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 105891 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72908-13	TP-37 (1)	Total/NA	Solid	Moisture	
600-72908-14	TP-37 (4)	Total/NA	Solid	Moisture	
600-72908-14 MS	TP-37 (4)	Total/NA	Solid	Moisture	
600-72908-14 MSD	TP-37 (4)	Total/NA	Solid	Moisture	
600-72908-15	TP-37 (4) Dup	Total/NA	Solid	Moisture	
600-72908-16	TP-38 (1)	Total/NA	Solid	Moisture	
600-72908-17	TP-38 (4)	Total/NA	Solid	Moisture	
600-72908-17 DU	TP-38 (4)	Total/NA	Solid	Moisture	
600-72908-18	TP-38 (4) Dup	Total/NA	Solid	Moisture	
600-72908-19	TP-39 (1.5)	Total/NA	Solid	Moisture	
600-72908-20	TP-39 (3.5)	Total/NA	Solid	Moisture	
600-72908-21	TP-40 (1)	Total/NA	Solid	Moisture	
600-72908-22	TP-40 (3)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Client Sample ID: L-17W (1-2)

Lab Sample ID: 600-72908-1

Date Collected: 05/08/13 15:30
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 13:42	TWR	TAL HOU
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106100	05/14/13 15:18	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: CF-5

Lab Sample ID: 600-72908-2

Date Collected: 05/08/13 16:20
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 13:45	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: CF-6

Lab Sample ID: 600-72908-3

Date Collected: 05/08/13 16:25
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 13:55	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: CF-7

Lab Sample ID: 600-72908-4

Date Collected: 05/08/13 16:35
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 13:58	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: CF-8

Lab Sample ID: 600-72908-5

Date Collected: 05/08/13 16:40
Date Received: 05/10/13 08:34

Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 14:01	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

6-22-13

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Client Sample ID: CF-9

Lab Sample ID: 600-72908-6
Date Collected: 05/08/13 16:45
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 14:03	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: CF-10

Lab Sample ID: 600-72908-7
Date Collected: 05/08/13 16:50
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 14:13	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-33 (1)

Lab Sample ID: 600-72908-8
Date Collected: 05/09/13 09:50
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 91.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106089	05/14/13 14:15	TWR	TAL HOU
Total/NA	Prep	3050B			105922	05/10/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106100	05/14/13 15:21	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-33 (2)

Lab Sample ID: 600-72908-9
Date Collected: 05/09/13 10:20
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 09:58	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-34 (1)

Lab Sample ID: 600-72908-10
Date Collected: 05/09/13 10:30
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 93.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:01	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

TestAmerica Houston

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Client Sample ID: TP-35 (1)

Lab Sample ID: 600-72908-11
Date Collected: 05/09/13 10:50
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:03	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-36 (1.5)

Lab Sample ID: 600-72908-12
Date Collected: 05/09/13 11:00
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:06	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-37 (1)

Lab Sample ID: 600-72908-13
Date Collected: 05/09/13 11:25
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:08	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-37 (4)

Lab Sample ID: 600-72908-14
Date Collected: 05/09/13 11:30
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:11	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-37 (4) Dup

Lab Sample ID: 600-72908-15
Date Collected: 05/09/13 11:30
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:21	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

6-22-13

TestAmerica Houston

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Client Sample ID: TP-38 (1)

Lab Sample ID: 600-72908-16
Date Collected: 05/09/13 11:55
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:37	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-38 (4)

Lab Sample ID: 600-72908-17
Date Collected: 05/09/13 12:00
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:39	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-38 (4) Dup

Lab Sample ID: 600-72908-18
Date Collected: 05/09/13 12:00
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 57.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:42	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-39 (1.5)

Lab Sample ID: 600-72908-19
Date Collected: 05/09/13 12:10
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:44	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-39 (3.5)

Lab Sample ID: 600-72908-20
Date Collected: 05/09/13 12:15
Matrix: Solid
Date Received: 05/10/13 08:34
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:47	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

6-22-13

TestAmerica Houston

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Client Sample ID: TP-40 (1)
Date Collected: 05/09/13 12:25
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-21
Matrix: Solid
Percent Solids: 64.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:50	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Client Sample ID: TP-40 (3)
Date Collected: 05/09/13 12:30
Date Received: 05/10/13 08:34

Lab Sample ID: 600-72908-22
Matrix: Solid
Percent Solids: 60.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			105993	05/13/13 13:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	106156	05/15/13 10:52	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	105891	05/10/13 14:34	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

JMT 6-22-13

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72908-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	5-8-13	205010
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
2201 Double Creek Dr, Suite 4004	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide - VCP (CJ Parcel)			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Lead	Cadmium	Copper	TCLP	Special Instructions/ Conditions of Receipt
C-17W (1-2)	5-8-13	15:30				X	X						X	X			
CF-5		1620													X	X	
CF-6		1625															
CF-7		1635															
CF-8		1640															
CF-9		1645															
CF-10		1650															
TP-33 (1)	5-9-13	9:50											X	X			
TP-33 (2)		10:20															
TP-34 (1)		10:30															
TP-35 (1)		10:50															
TP-36 (1.5)		11:00															

600-72908 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify) TRRP

	Date	Time		Date	Time
1. Relinquished By	5/9/13	1415	1. Received By	5/9/13	1415
2. Relinquished By	5/9/13	1700	2. Received By		
3. Relinquished By			3. Received By	05/10/13	0884

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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5/17/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	5-9-13	205014
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 2 of 2
2201 Double Creek Dr 4004	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: lead	cadmium	Special Instructions/ Conditions of Receipt
TP-37 (1)	5-9-13	11:25				X	X								
TP-37 (4)		11:30													MS/MSD
TP-37 (4) Dup		11:30													
TP-38 (1)		1155													
TP-38 (4)		1200													
TP-38 (4) Dup		1200													
TP-39 (1.5)		1210													
TP-39 (3.5)		1215													
TP-40 (1)		1225													
TP-40 (3)		1230				↓	↓								

Page 32 of 33

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP

	Relinquished By	Date	Time	Received By	Date	Time
1		5/9/13	1415		5/9/13	1415
2		5/9/13	1700			
3					05/10/13	0834

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/17/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72908-1

Login Number: 72908

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	7.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

APPENDIX B

LABORATORY NELAP CERTIFICATES

PACE ANALYTICAL SERVICES, INC.
LABORATORY NELAP CERTIFICATE

Texas Commission on Environmental Quality

NELAP-Recognized Laboratory Accreditation is hereby awarded to

ERMI Environmental Laboratories

400 West Bethany Road, Suite 190
Allen, TX 75013-3714

in accordance with Texas Water Code Chapter 5, Subchapter R, Title 30 Texas Administrative Code Chapter 25, and the National Environmental Laboratory Accreditation Program.

The laboratory's scope of accreditation includes the fields of accreditation that accompany this certificate. Continued accreditation depends upon successful ongoing participation in the program. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Certificate Number: T104704232-11-2
Effective Date: 7/1/2011
Expiration Date: 6/30/2012

Executive Director Texas Commission on Environmental Quality

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate:	T104704232-11-2
Expiration Date:	6/30/2012
Issue Date:	7/1/2011

ERMI Environmental Laboratories

400 West Bethany Road, Suite 190
Allen, TX 75013-3714

These fields of accreditation supercedeall previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1030

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10117201

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609

Texas Commission on Environmental Quality

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Issue Date: 7/1/2011

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Matrix: ***Solid & Chemical Materials***

Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 6020

Analyte	**AB**	**Analyte ID**	**Method ID**
Aluminum	TX	1000	10156408
Antimony	TX	1005	10156408
Arsenic	TX	1010	10156408
Barium	TX	1015	10156408
Beryllium	TX	1020	10156408
Cadmium	TX	1030	10156408
Calcium	TX	1035	10156408
Chromium	TX	1040	10156408

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Matrix: *Solid & Chemical Materials*

Cobalt	TX	1050	10156408
Copper	TX	1055	10156408
Iron	TX	1070	10156408
Lead	TX	1075	10156408
Magnesium	TX	1085	10156408
Manganese	TX	1090	10156408
Molybdenum	TX	1100	10156408
Nickel	TX	1105	10156408
Potassium	TX	1125	10156408
Selenium	TX	1140	10156408
Silver	TX	1150	10156408
Sodium	TX	1155	10156408
Thallium	TX	1165	10156408
Vanadium	TX	1185	10156408
Zinc	TX	1190	10156408

Method EPA 7196

Analyte	**AB**	**Analyte ID**	**Method ID**
Chromium (VI)	TX	1045	10162400

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Diesel range organics (DRO)	TX	9369	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Methanol	TX	4930	10173601
Propylene Glycol	TX	6657	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808

TESTAMERICA
LABORATORY NELAP CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston

Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056

Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Air & Emissions***

Method EPA RM 18

Analyte	AB	Analyte ID	Method ID
1-Propene (Propylene)	TX	4836	EPA RM 18
Benzene	TX	4375	EPA RM 18
Butene (all isomers)	TX	10326	EPA RM 18
Ethane	TX	4747	EPA RM 18
Ethene	TX	4752	EPA RM 18
Ethylbenzene	TX	4765	EPA RM 18
Methane	TX	4926	EPA RM 18
n-Butane	TX	5007	EPA RM 18
n-Pentane	TX	5028	EPA RM 18
n-Propane	TX	5029	EPA RM 18
Toluene	TX	5140	EPA RM 18
Xylene (total)	TX	5260	EPA RM 18

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Matrix: ***Non-Potable Water***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 110.2

Analyte	AB	Analyte ID	Method ID
Color	TX	1605	10005604

Method EPA 120.1

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10006403

Method EPA 130.2

Analyte	AB	Analyte ID	Method ID
Total hardness as CaCO3	TX	1755	10007202

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 150.1

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10008409

Method EPA 160.1

Analyte	AB	Analyte ID	Method ID
Residue-filterable (TDS)	TX	1955	10009208

Method EPA 160.2

Analyte	AB	Analyte ID	Method ID
Residue-nonfilterable (TSS)	TX	1960	10009606

Method EPA 160.3

Analyte	AB	Analyte ID	Method ID
Residue-total (total solids)	TX	1950	10010001

Method EPA 160.4

Analyte	AB	Analyte ID	Method ID

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Matrix: ***Non-Potable Water***

Residue-volatile	TX	1970	10010409

Method EPA 1664

Analyte	**AB**	**Analyte ID**	**Method ID**
n-Hexane Extractable Material (HEM) (O&G)	TX	1803	10127409
Silica Gel Treated n-Hexane Extractable Material (SGT-HEM)	TX	10220	10127409

Method EPA 180.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Turbidity	TX	2055	10011606

Method EPA 200.7

Analyte	**AB**	**Analyte ID**	**Method ID**
Aluminum	TX	1000	10013806
Antimony	TX	1005	10013806
Arsenic	TX	1010	10013806
Barium	TX	1015	10013806
Beryllium	TX	1020	10013806
Boron	TX	1025	10013806
Cadmium	TX	1030	10013806
Calcium	TX	1035	10013806
Chromium	TX	1040	10013806
Cobalt	TX	1050	10013806
Copper	TX	1055	10013806
Iron	TX	1070	10013806
Lead	TX	1075	10013806
Magnesium	TX	1085	10013806
Manganese	TX	1090	10013806
Molybdenum	TX	1100	10013806
Nickel	TX	1105	10013806
Potassium	TX	1125	10013806
Selenium	TX	1140	10013806
Silica as SiO2	TX	1990	10013806
Silver	TX	1150	10013806

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Matrix: ***Non-Potable Water***

Sodium	TX	1155	10013806
Strontium	TX	1160	10013806
Thallium	TX	1165	10013806
Tin	TX	1175	10013806
Titanium	TX	1180	10013806
Vanadium	TX	1185	10013806
Zinc	TX	1190	10013806

Method EPA 245.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10036609

Method EPA 300.0

Analyte	**AB**	**Analyte ID**	**Method ID**
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Sulfate	TX	2000	10053006

Method EPA 305.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Acidity, as CaCO3	TX	1500	10054203

Method EPA 310.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Alkalinity as CaCO3	TX	1505	10054805

Method EPA 330.4

Analyte	**AB**	**Analyte ID**	**Method ID**
Total residual chlorine	TX	1940	10059208

Method EPA 335.1

Analyte	**AB**	**Analyte ID**	**Method ID**
Amenable cyanide	TX	1510	10060001

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Matrix: ***Non-Potable Water***

Method EPA 335.3

Analyte	AB	Analyte ID	Method ID
Total cyanide	TX	1645	10061004

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 351.2

Analyte	AB	Analyte ID	Method ID
Kjeldahl nitrogen - total (TKN)	TX	1795	10065200

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate as N	TX	1810	10067400
Nitrate-nitrite	TX	1820	10067400

Method EPA 360.1

Analyte	AB	Analyte ID	Method ID
Oxygen, dissolved	TX	1880	10069008

Method EPA 365.2

Analyte	AB	Analyte ID	Method ID
Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 376.1

Analyte	AB	Analyte ID	Method ID
Sulfide	TX	2005	10074201

Method EPA 377.1

Analyte	AB	Analyte ID	Method ID
Sulfite-SO3	TX	2015	10075000

Method EPA 405.1

Analyte	AB	Analyte ID	Method ID
Biochemical oxygen demand (BOD)	TX	1530	10075602

Method EPA 413.1

Analyte	AB	Analyte ID	Method ID
Oil & Grease	TX	1860	10077802

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Matrix: ***Non-Potable Water***

Method EPA 415.1

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10078407

Method EPA 420.2

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10079808

Method EPA 420.4

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10080203

Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609

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Matrix: ***Non-Potable Water***

Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 602

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10102202
Ethylbenzene	TX	4765	10102202
m+p-xylene	TX	5240	10102202
o-Xylene	TX	5250	10102202
Toluene	TX	5140	10102202
Xylene (total)	TX	5260	10102202

Method EPA 608

Analyte	**AB**	**Analyte ID**	**Method ID**
4,4'-DDD	TX	7355	10103603
4,4'-DDE	TX	7360	10103603
4,4'-DDT	TX	7365	10103603
Aldrin	TX	7025	10103603
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10103603
alpha-Chlordane	TX	7240	10103603
Aroclor-1016 (PCB-1016)	TX	8880	10103603
Aroclor-1221 (PCB-1221)	TX	8885	10103603
Aroclor-1232 (PCB-1232)	TX	8890	10103603
Aroclor-1242 (PCB-1242)	TX	8895	10103603

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Matrix: ***Non-Potable Water***

Aroclor-1248 (PCB-1248)	TX	8900	10103603
Aroclor-1254 (PCB-1254)	TX	8905	10103603
Aroclor-1260 (PCB-1260)	TX	8910	10103603
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10103603
Chlordane (tech.)	TX	7250	10103603
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10103603
Dieldrin	TX	7470	10103603
Endosulfan I	TX	7510	10103603
Endosulfan II	TX	7515	10103603
Endosulfan sulfate	TX	7520	10103603
Endrin	TX	7540	10103603
Endrin aldehyde	TX	7530	10103603
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10103603
gamma-Chlordane	TX	7245	10103603
Heptachlor	TX	7685	10103603
Heptachlor epoxide	TX	7690	10103603
Methoxychlor	TX	7810	10103603
Toxaphene (Chlorinated camphene)	TX	8250	10103603

Method EPA 615

Analyte	**AB**	**Analyte ID**	**Method ID**
2,4,5-T	TX	8655	10105609
2,4-D	TX	8545	10105609
2,4-DB	TX	8560	10105609
Dalapon	TX	8555	10105609
Dicamba	TX	8595	10105609
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10105609
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10105609
MCPA	TX	7775	10105609
MCPP	TX	7780	10105609
Silvex (2,4,5-TP)	TX	8650	10105609

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Matrix: ***Non-Potable Water***

Method EPA 624

Analyte	AB	Analyte ID	Method ID
1,1,1-Trichloroethane	TX	5160	10107207
1,1,2,2-Tetrachloroethane	TX	5110	10107207
1,1,2-Trichloroethane	TX	5165	10107207
1,1-Dichloroethane	TX	4630	10107207
1,1-Dichloroethylene	TX	4640	10107207
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10107207
1,2-Dichlorobenzene	TX	4610	10107207
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10107207
1,2-Dichloropropane	TX	4655	10107207
1,3-Dichlorobenzene	TX	4615	10107207
1,4-Dichlorobenzene	TX	4620	10107207
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10107207
2-Chloroethyl vinyl ether	TX	4500	10107207
Acetone (2-Propanone)	TX	4315	10107207
Acrolein (Propenal)	TX	4325	10107207
Acrylonitrile	TX	4340	10107207
Benzene	TX	4375	10107207
Bromodichloromethane	TX	4395	10107207
Bromoform	TX	4400	10107207
Carbon tetrachloride	TX	4455	10107207
Chlorobenzene	TX	4475	10107207
Chlorodibromomethane	TX	4575	10107207
Chloroethane (Ethyl chloride)	TX	4485	10107207
Chloroform	TX	4505	10107207
cis-1,3-Dichloropropene	TX	4680	10107207
Ethylbenzene	TX	4765	10107207
m+p-xylene	TX	5240	10107207
Methyl chloride (Chloromethane)	TX	4960	10107207

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Issue Date: 11/1/2012

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Matrix: ***Non-Potable Water***

Methyl tert-butyl ether (MTBE)	TX	5000	10107207
Methylene chloride (Dichloromethane)	TX	4975	10107207
o-Xylene	TX	5250	10107207
Tetrachloroethylene (Perchloroethylene)	TX	5115	10107207
Toluene	TX	5140	10107207
trans-1,2-Dichloroethylene	TX	4700	10107207
trans-1,3-Dichloropropylene	TX	4685	10107207
Trichloroethene (Trichloroethylene)	TX	5170	10107207
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10107207
Vinyl chloride	TX	5235	10107207
Xylene (total)	TX	5260	10107207

Method EPA 625

Analyte	**AB**	**Analyte ID**	**Method ID**
1,2,4,5-Tetrachlorobenzene	TX	6715	10107401
1,2,4-Trichlorobenzene	TX	5155	10107401
1,2-Dichlorobenzene	TX	4610	10107401
1,3-Dichlorobenzene	TX	4615	10107401
1,4-Dichlorobenzene	TX	4620	10107401
2,3,4,6-Tetrachlorophenol	TX	6735	10107401
2,4,5-Trichlorophenol	TX	6835	10107401
2,4,6-Trichlorophenol	TX	6840	10107401
2,4-Dichlorophenol	TX	6000	10107401
2,4-Dimethylphenol	TX	6130	10107401
2,4-Dinitrophenol	TX	6175	10107401
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10107401
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10107401
2-Chloronaphthalene	TX	5795	10107401
2-Chlorophenol	TX	5800	10107401
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10107401
2-Methylphenol (o-Cresol)	TX	6400	10107401

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NELAP - Recognized Laboratory Fields of Accreditation

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TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

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Issue Date: 11/1/2012

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Matrix: *Non-Potable Water*

2-Nitrophenol	TX	6490	10107401
3,3'-Dichlorobenzidine	TX	5945	10107401
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10107401
4-Chloro-3-methylphenol	TX	5700	10107401
4-Chlorophenyl phenylether	TX	5825	10107401
4-Methylphenol (p-Cresol)	TX	6410	10107401
4-Nitrophenol	TX	6500	10107401
Acenaphthene	TX	5500	10107401
Acenaphthylene	TX	5505	10107401
Anthracene	TX	5555	10107401
Benzidine	TX	5595	10107401
Benzo(a)anthracene	TX	5575	10107401
Benzo(a)pyrene	TX	5580	10107401
Benzo(b)fluoranthene	TX	5585	10107401
Benzo(g,h,i)perylene	TX	5590	10107401
Benzo(k)fluoranthene	TX	5600	10107401
bis(2-Chloroethoxy)methane	TX	5760	10107401
bis(2-Chloroethyl) ether	TX	5765	10107401
bis(2-Chloroisopropyl) ether	TX	5780	10107401
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10107401
Butyl benzyl phthalate	TX	5670	10107401
Chrysene	TX	5855	10107401
Dibenz(a,h) anthracene	TX	5895	10107401
Diethyl phthalate	TX	6070	10107401
Dimethyl phthalate	TX	6135	10107401
Di-n-butyl phthalate	TX	5925	10107401
Di-n-octyl phthalate	TX	6200	10107401
Fluoranthene	TX	6265	10107401
Fluorene	TX	6270	10107401
Hexachlorobenzene	TX	6275	10107401

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Matrix: ***Non-Potable Water***

Hexachlorobutadiene	TX	4835	10107401
Hexachlorocyclopentadiene	TX	6285	10107401
Hexachloroethane	TX	4840	10107401
Indeno(1,2,3-cd) pyrene	TX	6315	10107401
Isophorone	TX	6320	10107401
Naphthalene	TX	5005	10107401
Nitrobenzene	TX	5015	10107401
n-Nitrosodiethylamine	TX	6525	10107401
n-Nitrosodimethylamine	TX	6530	10107401
n-Nitrosodi-n-butylamine	TX	5025	10107401
n-Nitrosodi-n-propylamine	TX	6545	10107401
n-Nitrosodiphenylamine	TX	6535	10107401
Pentachlorophenol	TX	6605	10107401
Phenanthrene	TX	6615	10107401
Phenol	TX	6625	10107401
Pyrene	TX	6665	10107401
Pyridine	TX	5095	10107401

Method EPA 7196

Analyte	**AB**	**Analyte ID**	**Method ID**
Chromium (VI)	TX	1045	10162400

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601

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Matrix: ***Non-Potable Water***

Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropanol	TX	4885	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	AB	Analyte ID	Method ID
Benzene	TX	4375	10174808
Ethylbenzene	TX	4765	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	AB	Analyte ID	Method ID
4,4'-DDD	TX	7355	10178606
4,4'-DDE	TX	7360	10178606
4,4'-DDT	TX	7365	10178606
Aldrin	TX	7025	10178606
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178606
alpha-Chlordane	TX	7240	10178606
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178606
Chlordane (tech.)	TX	7250	10178606
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178606
Dieldrin	TX	7470	10178606
Endosulfan I	TX	7510	10178606
Endosulfan II	TX	7515	10178606
Endosulfan sulfate	TX	7520	10178606

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Matrix: ***Non-Potable Water***

Endrin	TX	7540	10178606
Endrin aldehyde	TX	7530	10178606
Endrin ketone	TX	7535	10178606
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178606
gamma-Chlordane	TX	7245	10178606
Heptachlor	TX	7685	10178606
Heptachlor epoxide	TX	7690	10178606
Methoxychlor	TX	7810	10178606
Toxaphene (Chlorinated camphene)	TX	8250	10178606

Method EPA 8082

Analyte	**AB**	**Analyte ID**	**Method ID**
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007

Method EPA 8151

Analyte	**AB**	**Analyte ID**	**Method ID**
2,4,5-T	TX	8655	10183207
2,4-D	TX	8545	10183207
2,4-DB	TX	8560	10183207
Acifluorfen	TX	8505	10183207
Dalapon	TX	8555	10183207
Dicamba	TX	8595	10183207
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183207
MCPA	TX	7775	10183207
MCPP	TX	7780	10183207

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Matrix: ***Non-Potable Water***

Silvex (2,4,5-TP)	TX	8650	10183207

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184802
1,1,1-Trichloroethane	TX	5160	10184802
1,1,2,2-Tetrachloroethane	TX	5110	10184802
1,1,2-Trichloroethane	TX	5165	10184802
1,1-Dichloroethane	TX	4630	10184802
1,1-Dichloroethylene	TX	4640	10184802
1,1-Dichloropropene	TX	4670	10184802
1,2,3-Trichlorobenzene	TX	5150	10184802
1,2,3-Trichloropropane	TX	5180	10184802
1,2,4-Trichlorobenzene	TX	5155	10184802
1,2,4-Trimethylbenzene	TX	5210	10184802
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184802
1,2-Dichlorobenzene	TX	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184802
1,2-Dichloropropane	TX	4655	10184802
1,3,5-Trimethylbenzene	TX	5215	10184802
1,3-Dichlorobenzene	TX	4615	10184802
1,3-Dichloropropane	TX	4660	10184802
1,4-Dichlorobenzene	TX	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184802
2,2-Dichloropropane	TX	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184802
2-Chloroethyl vinyl ether	TX	4500	10184802
2-Chlorotoluene	TX	4535	10184802
2-Hexanone (MBK)	TX	4860	10184802
2-Nitropropane	TX	5020	10184802
2-Propanol	TX	5065	10184802

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Matrix: *Non-Potable Water*

4-Chlorotoluene	TX	4540	10184802
4-Isopropyltoluene (p-Cymene)	TX	4915	10184802
4-Methyl-2-pentanone (MIBK)	TX	4995	10184802
Acetone (2-Propanone)	TX	4315	10184802
Acetonitrile	TX	4320	10184802
Acrolein (Propenal)	TX	4325	10184802
Acrylonitrile	TX	4340	10184802
Allyl chloride (3-Chloropropene)	TX	4355	10184802
Benzene	TX	4375	10184802
Benzyl chloride	TX	5635	10184802
Bromobenzene	TX	4385	10184802
Bromochloromethane	TX	4390	10184802
Bromodichloromethane	TX	4395	10184802
Bromoform	TX	4400	10184802
Carbon disulfide	TX	4450	10184802
Carbon tetrachloride	TX	4455	10184802
Chlorobenzene	TX	4475	10184802
Chlorodibromomethane	TX	4575	10184802
Chloroethane (Ethyl chloride)	TX	4485	10184802
Chloroform	TX	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184802
cis-1,2-Dichloroethylene	TX	4645	10184802
cis-1,3-Dichloropropene	TX	4680	10184802
Dibromofluoromethane	TX	4590	10184802
Dibromomethane (Methylene bromide)	TX	4595	10184802
Dichlorodifluoromethane (Freon-12)	TX	4625	10184802
Diethyl ether	TX	4725	10184802
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184802
Ethyl acetate	TX	4755	10184802
Ethyl methacrylate	TX	4810	10184802

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Matrix: ***Non-Potable Water***

Ethylbenzene	TX	4765	10184802
Ethylene oxide	TX	4795	10184802
Hexachlorobutadiene	TX	4835	10184802
Iodomethane (Methyl iodide)	TX	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184802
Isopropylbenzene (Cumene)	TX	4900	10184802
m+p-xylene	TX	5240	10184802
Methacrylonitrile	TX	4925	10184802
Methyl acrylate	TX	4945	10184802
Methyl chloride (Chloromethane)	TX	4960	10184802
Methyl methacrylate	TX	4990	10184802
Methyl tert-butyl ether (MTBE)	TX	5000	10184802
Methylene chloride (Dichloromethane)	TX	4975	10184802
Naphthalene	TX	5005	10184802
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184802
n-Butylbenzene	TX	4435	10184802
n-Propylbenzene	TX	5090	10184802
sec-Butylbenzene	TX	4440	10184802
Styrene	TX	5100	10184802
tert-Butyl alcohol	TX	4420	10184802
tert-Butylbenzene	TX	4445	10184802
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184802
Toluene	TX	5140	10184802
trans-1,2-Dichloroethylene	TX	4700	10184802
trans-1,3-Dichloropropylene	TX	4685	10184802
trans-1,4-Dichloro-2-butene	TX	4605	10184802
Trichloroethene (Trichloroethylene)	TX	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184802
Vinyl acetate	TX	5225	10184802
Vinyl chloride	TX	5235	10184802

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Matrix: ***Non-Potable Water***

Xylene (total)	TX	5260	10184802

Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	TX	6715	10185805
1,2,4-Trichlorobenzene	TX	5155	10185805
1,2-Dichlorobenzene	TX	4610	10185805
1,2-Dinitrobenzene	TX	6155	10185805
1,2-Diphenylhydrazine	TX	6220	10185805
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185805
1,3-Dichlorobenzene	TX	4615	10185805
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185805
1,4-Dichlorobenzene	TX	4620	10185805
1,4-Dinitrobenzene	TX	6165	10185805
1,4-Naphthoquinone	TX	6420	10185805
1,4-Phenylenediamine	TX	6630	10185805
1-Chloronaphthalene	TX	5790	10185805
1-Naphthylamine	TX	6425	10185805
2,3,4,6-Tetrachlorophenol	TX	6735	10185805
2,4,5-Trichlorophenol	TX	6835	10185805
2,4,6-Trichlorophenol	TX	6840	10185805
2,4-Diaminotoluene	TX	5880	10185805
2,4-Dichlorophenol	TX	6000	10185805
2,4-Dimethylphenol	TX	6130	10185805
2,4-Dinitrophenol	TX	6175	10185805
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185805
2,6-Dichlorophenol	TX	6005	10185805
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185805
2-Acetylaminofluorene	TX	5515	10185805
2-Chloronaphthalene	TX	5795	10185805
2-Chlorophenol	TX	5800	10185805

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Matrix: *Non-Potable Water*

2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185805
2-Methylaniline (o-Toluidine)	TX	5145	10185805
2-Methylnaphthalene	TX	6385	10185805
2-Methylphenol (o-Cresol)	TX	6400	10185805
2-Naphthylamine	TX	6430	10185805
2-Nitroaniline	TX	6460	10185805
2-Nitrophenol	TX	6490	10185805
2-Picoline (2-Methylpyridine)	TX	5050	10185805
3,3'-Dichlorobenzidine	TX	5945	10185805
3,3'-Dimethoxybenzidine	TX	6100	10185805
3,3'-Dimethylbenzidine	TX	6120	10185805
3-Methylcholanthrene	TX	6355	10185805
3-Methylphenol (m-Cresol)	TX	6405	10185805
3-Nitroaniline	TX	6465	10185805
4,4'-Methylenebis(2-chloroaniline)	TX	6365	10185805
4,4'-Methylenebis(n,n-dimethylaniline)	TX	6370	10185805
4-Aminobiphenyl	TX	5540	10185805
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185805
4-Chloro-3-methylphenol	TX	5700	10185805
4-Chloroaniline	TX	5745	10185805
4-Chlorophenyl phenylether	TX	5825	10185805
4-Dimethyl aminoazobenzene	TX	6105	10185805
4-Methylphenol (p-Cresol)	TX	6410	10185805
4-Nitroaniline	TX	6470	10185805
4-Nitrophenol	TX	6500	10185805
5-Nitro-o-toluidine	TX	6570	10185805
7,12-Dimethylbenz(a) anthracene	TX	6115	10185805
a-a-Dimethylphenethylamine	TX	6125	10185805
Acenaphthene	TX	5500	10185805
Acenaphthylene	TX	5505	10185805

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Matrix: ***Non-Potable Water***

Acetophenone	TX	5510	10185805
Aminoazobenzene	TX	5535	10185805
Aniline	TX	5545	10185805
Anthracene	TX	5555	10185805
Aramite	TX	5560	10185805
Azinphos-methyl (Guthion)	TX	7075	10185805
Azobenzene	TX	5562	10185805
Benzidine	TX	5595	10185805
Benzo(a)anthracene	TX	5575	10185805
Benzo(a)pyrene	TX	5580	10185805
Benzo(b)fluoranthene	TX	5585	10185805
Benzo(g,h,i)perylene	TX	5590	10185805
Benzo(k)fluoranthene	TX	5600	10185805
Benzoic acid	TX	5610	10185805
Benzyl alcohol	TX	5630	10185805
Biphenyl	TX	5640	10185805
bis(2-Chloroethoxy)methane	TX	5760	10185805
bis(2-Chloroethyl) ether	TX	5765	10185805
bis(2-Chloroisopropyl) ether	TX	5780	10185805
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185805
Butyl benzyl phthalate	TX	5670	10185805
Captan	TX	7190	10185805
Carbaryl (Sevin)	TX	7195	10185805
Carbazole	TX	5680	10185805
Chlorobenzilate	TX	7260	10185805
Chrysene	TX	5855	10185805
Diallate	TX	7405	10185805
Dibenz(a,h) anthracene	TX	5895	10185805
Dibenz(a,j) acridine	TX	5900	10185805
Dibenzo(a,e) pyrene	TX	5890	10185805

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Matrix: ***Non-Potable Water***

Dibenzofuran	TX	5905	10185805
Dichlone	TX	7430	10185805
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185805
Diethyl phthalate	TX	6070	10185805
Dimethoate	TX	7475	10185805
Dimethyl phthalate	TX	6135	10185805
Di-n-butyl phthalate	TX	5925	10185805
Di-n-octyl phthalate	TX	6200	10185805
Diphenylamine	TX	6205	10185805
Disulfoton	TX	8625	10185805
Ethyl methanesulfonate	TX	6260	10185805
Famphur	TX	7580	10185805
Fluoranthene	TX	6265	10185805
Fluorene	TX	6270	10185805
Hexachlorobenzene	TX	6275	10185805
Hexachlorobutadiene	TX	4835	10185805
Hexachlorocyclopentadiene	TX	6285	10185805
Hexachloroethane	TX	4840	10185805
Hexachlorophene	TX	6290	10185805
Hexachloropropene	TX	6295	10185805
Indeno(1,2,3-cd) pyrene	TX	6315	10185805
Isodrin	TX	7725	10185805
Isophorone	TX	6320	10185805
Isosafrole	TX	6325	10185805
Kepone	TX	7740	10185805
Methapyrilene	TX	6345	10185805
Methyl methanesulfonate	TX	6375	10185805
Methyl parathion (Parathion, methyl)	TX	7825	10185805
Mevinphos	TX	7850	10185805
Mirex	TX	7870	10185805

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Matrix: ***Non-Potable Water***

Naphthalene	TX	5005	10185805
Nitrobenzene	TX	5015	10185805
Nitroquinoline-1-oxide	TX	6515	10185805
n-Nitrosodiethylamine	TX	6525	10185805
n-Nitrosodimethylamine	TX	6530	10185805
n-Nitrosodi-n-butylamine	TX	5025	10185805
n-Nitrosodi-n-propylamine	TX	6545	10185805
n-Nitrosodiphenylamine	TX	6535	10185805
n-Nitrosomethylethylamine	TX	6550	10185805
n-Nitrosomorpholine	TX	6555	10185805
n-Nitrosopiperidine	TX	6560	10185805
n-Nitrosopyrrolidine	TX	6565	10185805
o,o,o-Triethyl phosphorothioate	TX	8290	10185805
Parathion, ethyl	TX	7955	10185805
p-Benzoquinone (Quinone)	TX	5620	10185805
Pentachlorobenzene	TX	6590	10185805
Pentachloronitrobenzene (PCNB)	TX	6600	10185805
Pentachlorophenol	TX	6605	10185805
Phenacetin	TX	6610	10185805
Phenanthrene	TX	6615	10185805
Phenol	TX	6625	10185805
Phorate	TX	7985	10185805
Pronamide (Kerb)	TX	6650	10185805
Pyrene	TX	6665	10185805
Pyridine	TX	5095	10185805
Safrole	TX	6685	10185805
Sulfotepp	TX	8155	10185805
Thionazin (Zinophos)	TX	8235	10185805
Toluene diisocyanate	TX	6775	10185805
tris-(2,3-Dibromopropyl) phosphate (tris-BP)	TX	8310	10185805

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Matrix: ***Non-Potable Water***

Method EPA 8315

Analyte	AB	Analyte ID	Method ID
Formaldehyde	TX	4815	10188008

Method EPA 9012

Analyte	AB	Analyte ID	Method ID
Amenable cyanide	TX	1510	10193405
Total Cyanide	TX	1635	10193405

Method EPA 9034

Analyte	AB	Analyte ID	Method ID
Sulfide	TX	2005	10196006

Method EPA 9040

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10197203

Method EPA 9050

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10198808

Method EPA 9056

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209
Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9066

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10200609

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Matrix: ***Non-Potable Water***

Method EPA RSK 175

Analyte	AB	Analyte ID	Method ID
Ethane	TX	4747	10212905
Ethene	TX	4752	10212905
Methane	TX	4926	10212905

Method HACH 8000

Analyte	AB	Analyte ID	Method ID
Chemical oxygen demand (COD)	TX	1565	60003001

Method HACH 8507

Analyte	AB	Analyte ID	Method ID
Nitrite as N	TX	1840	60004208

Method SM 2120 B

Analyte	AB	Analyte ID	Method ID
Color	TX	1605	20001803

Method SM 2130 B

Analyte	AB	Analyte ID	Method ID
Turbidity	TX	2055	20002408

Method SM 2310 B (4a)

Analyte	AB	Analyte ID	Method ID
Acidity, as CaCO3	TX	1500	20002806

Method SM 2320 B

Analyte	AB	Analyte ID	Method ID
Alkalinity as CaCO3	TX	1505	20003003

Method SM 2340 B

Analyte	AB	Analyte ID	Method ID
Total hardness as CaCO3	TX	1755	20003401

Method SM 2510 B

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	20003809

Method SM 2540 B

Analyte	AB	Analyte ID	Method ID
Residue-total (total solids)	TX	1950	20004608

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Matrix: ***Non-Potable Water***

Method	Analyte	AB	Analyte ID	Method ID
SM 2540 C				
	Residue-filterable (TDS)	TX	1955	20004404
SM 2540 D				
	Residue-nonfilterable (TSS)	TX	1960	20004802
SM 3500-Cr D				
	Chromium (VI)	TX	1045	20009001
SM 4500-Cl F				
	Total residual chlorine	TX	1940	20015003
SM 4500-CN^- G				
	Amenable cyanide	TX	1510	20021607
SM 4500-H+ B				
	pH	TX	1900	20016404
SM 4500-NH3 G				
	Ammonia as N	TX	1515	20023205
SM 4500-O G				
	Oxygen, dissolved	TX	1880	20025405
SM 4500-P E				
	Orthophosphate as P	TX	1870	20025803
	Phosphorus	TX	1910	20025803
SM 4500-$S2^-$ D				
	Sulfide	TX	2005	20125400

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Matrix: ***Non-Potable Water***

Method	Analyte	AB	Analyte ID	Method ID
SM 4500-S2¯ E	Sulfide	TX	2005	20026408
SM 4500-SO3 B	Sulfite-SO3	TX	2015	20026806
SM 5210 B	Biochemical oxygen demand (BOD)	TX	1530	20027401
	Carbonaceous BOD, CBOD	TX	1555	20027401
SM 5310 D	Total Organic Carbon (TOC)	TX	2040	20028404
SM 5540 C	Surfactants - MBAS	TX	2025	20029009
TCEQ 1005	Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

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Matrix: ***Solid & Chemical Materials***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 350.2

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10064003

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate as N	TX	1810	10067604
Nitrate-nitrite	TX	1820	10067604

Method EPA 365.2

Analyte	AB	Analyte ID	Method ID

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Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

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Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

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Matrix: ***Solid & Chemical Materials***

4,4'-DDD	TX	7355	10178606
4,4'-DDE	TX	7360	10178606
4,4'-DDT	TX	7365	10178606
Aldrin	TX	7025	10178606
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178606
alpha-Chlordane	TX	7240	10178606
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178606
DDD,Total	TX	10314	10178606
DDE,Total	TX	10315	10178606
DDT,Total	TX	10316	10178606
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178606
Dieldrin	TX	7470	10178606
Endosulfan I	TX	7510	10178606
Endosulfan II	TX	7515	10178606
Endosulfan sulfate	TX	7520	10178606
Endrin	TX	7540	10178606
Endrin aldehyde	TX	7530	10178606
Endrin ketone	TX	7535	10178606
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178606
gamma-Chlordane	TX	7245	10178606
Heptachlor	TX	7685	10178606
Heptachlor epoxide	TX	7690	10178606
Methoxychlor	TX	7810	10178606
Toxaphene (Chlorinated camphene)	TX	8250	10178606

Method EPA 8082

Analyte	**AB**	**Analyte ID**	**Method ID**
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007

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Matrix: ***Solid & Chemical Materials***

Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007

Method EPA 8151

Analyte	AB	Analyte ID	Method ID
2,4,5-T	TX	8655	10183207
2,4-D	TX	8545	10183207
2,4-DB	TX	8560	10183207
Acifluorfen	TX	8505	10183207
Dalapon	TX	8555	10183207
Dicamba	TX	8595	10183207
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183207
MCPA	TX	7775	10183207
MCPP	TX	7780	10183207
Silvex (2,4,5-TP)	TX	8650	10183207

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184802
1,1,1-Trichloroethane	TX	5160	10184802
1,1,2,2-Tetrachloroethane	TX	5110	10184802
1,1,2-Trichloroethane	TX	5165	10184802
1,1-Dichloroethane	TX	4630	10184802
1,1-Dichloroethylene	TX	4640	10184802
1,1-Dichloropropene	TX	4670	10184802
1,2,3-Trichlorobenzene	TX	5150	10184802
1,2,3-Trichloropropane	TX	5180	10184802
1,2,4-Trichlorobenzene	TX	5155	10184802
1,2,4-Trimethylbenzene	TX	5210	10184802
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184802

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Matrix: *Solid & Chemical Materials*

1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184802
1,2-Dichlorobenzene	TX	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184802
1,2-Dichloropropane	TX	4655	10184802
1,3,5-Trimethylbenzene	TX	5215	10184802
1,3-Dichlorobenzene	TX	4615	10184802
1,3-Dichloropropane	TX	4660	10184802
1,4-Dichlorobenzene	TX	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184802
2,2-Dichloropropane	TX	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184802
2-Chloroethyl vinyl ether	TX	4500	10184802
2-Chlorotoluene	TX	4535	10184802
2-Hexanone (MBK)	TX	4860	10184802
2-Propanol	TX	5065	10184802
4-Chlorotoluene	TX	4540	10184802
4-Isopropyltoluene (p-Cymene)	TX	4915	10184802
4-Methyl-2-pentanone (MIBK)	TX	4995	10184802
Acetone (2-Propanone)	TX	4315	10184802
Acetonitrile	TX	4320	10184802
Acrolein (Propenal)	TX	4325	10184802
Acrylonitrile	TX	4340	10184802
Benzene	TX	4375	10184802
Benzyl chloride	TX	5635	10184802
Bromobenzene	TX	4385	10184802
Bromochloromethane	TX	4390	10184802
Bromodichloromethane	TX	4395	10184802
Bromoform	TX	4400	10184802
Carbon disulfide	TX	4450	10184802
Carbon tetrachloride	TX	4455	10184802

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Matrix: ***Solid & Chemical Materials***

Chlorobenzene	TX	4475	10184802
Chlorodibromomethane	TX	4575	10184802
Chloroethane (Ethyl chloride)	TX	4485	10184802
Chloroform	TX	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184802
cis-1,2-Dichloroethylene	TX	4645	10184802
cis-1,3-Dichloropropene	TX	4680	10184802
Dibromofluoromethane	TX	4590	10184802
Dibromomethane (Methylene bromide)	TX	4595	10184802
Dichlorodifluoromethane (Freon-12)	TX	4625	10184802
Diethyl ether	TX	4725	10184802
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184802
Ethyl acetate	TX	4755	10184802
Ethyl methacrylate	TX	4810	10184802
Ethylbenzene	TX	4765	10184802
Ethylene oxide	TX	4795	10184802
Hexachlorobutadiene	TX	4835	10184802
Iodomethane (Methyl iodide)	TX	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184802
Isopropylbenzene (Cumene)	TX	4900	10184802
m+p-xylene	TX	5240	10184802
Methacrylonitrile	TX	4925	10184802
Methyl acrylate	TX	4945	10184802
Methyl bromide (Bromomethane)	TX	4950	10184802
Methyl chloride (Chloromethane)	TX	4960	10184802
Methyl methacrylate	TX	4990	10184802
Methyl tert-butyl ether (MTBE)	TX	5000	10184802
Methylene chloride (Dichloromethane)	TX	4975	10184802
Naphthalene	TX	5005	10184802
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184802

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Matrix: ***Solid & Chemical Materials***

n-Butylbenzene	TX	4435	10184802
n-Propylbenzene	TX	5090	10184802
o-Xylene	TX	5250	10184802
sec-Butylbenzene	TX	4440	10184802
Styrene	TX	5100	10184802
tert-Butyl alcohol	TX	4420	10184802
tert-Butylbenzene	TX	4445	10184802
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184802
Toluene	TX	5140	10184802
trans-1,2-Dichloroethylene	TX	4700	10184802
trans-1,3-Dichloropropylene	TX	4685	10184802
trans-1,4-Dichloro-2-butene	TX	4605	10184802
Trichloroethene (Trichloroethylene)	TX	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184802
Vinyl acetate	TX	5225	10184802
Vinyl chloride	TX	5235	10184802
Xylene (total)	TX	5260	10184802

Method EPA 8270

Analyte	**AB**	**Analyte ID**	**Method ID**
1,2,4,5-Tetrachlorobenzene	TX	6715	10185805
1,2,4-Trichlorobenzene	TX	5155	10185805
1,2-Dichlorobenzene	TX	4610	10185805
1,2-Dinitrobenzene	TX	6155	10185805
1,2-Diphenylhydrazine	TX	6220	10185805
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185805
1,3-Dichlorobenzene	TX	4615	10185805
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185805
1,4-Dichlorobenzene	TX	4620	10185805
1,4-Dinitrobenzene	TX	6165	10185805
1,4-Naphthoquinone	TX	6420	10185805

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Matrix: ***Solid & Chemical Materials***

1,4-Phenylenediamine	TX	6630	10185805
1-Chloronaphthalene	TX	5790	10185805
1-Naphthylamine	TX	6425	10185805
2,3,4,6-Tetrachlorophenol	TX	6735	10185805
2,4,5-Trichlorophenol	TX	6835	10185805
2,4,6-Trichlorophenol	TX	6840	10185805
2,4-Diaminotoluene	TX	5880	10185805
2,4-Dichlorophenol	TX	6000	10185805
2,4-Dimethylphenol	TX	6130	10185805
2,4-Dinitrophenol	TX	6175	10185805
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185805
2,6-Dichlorophenol	TX	6005	10185805
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185805
2-Acetylaminofluorene	TX	5515	10185805
2-Chloronaphthalene	TX	5795	10185805
2-Chlorophenol	TX	5800	10185805
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185805
2-Methylaniline (o-Toluidine)	TX	5145	10185805
2-Methylnaphthalene	TX	6385	10185805
2-Methylphenol (o-Cresol)	TX	6400	10185805
2-Naphthylamine	TX	6430	10185805
2-Nitroaniline	TX	6460	10185805
2-Nitrophenol	TX	6490	10185805
2-Picoline (2-Methylpyridine)	TX	5050	10185805
3,3'-Dichlorobenzidine	TX	5945	10185805
3,3'-Dimethoxybenzidine	TX	6100	10185805
3,3'-Dimethylbenzidine	TX	6120	10185805
3-Methylcholanthrene	TX	6355	10185805
3-Methylphenol (m-Cresol)	TX	6405	10185805
3-Nitroaniline	TX	6465	10185805

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Matrix: *Solid & Chemical Materials*

4,4'-Methylenebis(2-chloroaniline)	TX	6365	10185805
4,4'-Methylenebis(n,n-dimethylaniline)	TX	6370	10185805
4-Aminobiphenyl	TX	5540	10185805
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185805
4-Chloro-1,3-phenylenediamine	TX	5850	10185805
4-Chloro-3-methylphenol	TX	5700	10185805
4-Chloroaniline	TX	5745	10185805
4-Chlorophenyl phenylether	TX	5825	10185805
4-Methylphenol (p-Cresol)	TX	6410	10185805
4-Nitroaniline	TX	6470	10185805
4-Nitrophenol	TX	6500	10185805
5-Nitro-o-toluidine	TX	6570	10185805
7,12-Dimethylbenz(a) anthracene	TX	6115	10185805
a-a-Dimethylphenethylamine	TX	6125	10185805
Acenaphthene	TX	5500	10185805
Acenaphthylene	TX	5505	10185805
Acetophenone	TX	5510	10185805
Aminoazobenzene	TX	5535	10185805
Aniline	TX	5545	10185805
Anthracene	TX	5555	10185805
Aramite	TX	5560	10185805
Azinphos-methyl (Guthion)	TX	7075	10185805
Azobenzene	TX	5562	10185805
Benzenethiol (Thiophenol)	TX	6750	10185805
Benzidine	TX	5595	10185805
Benzo(a)anthracene	TX	5575	10185805
Benzo(a)pyrene	TX	5580	10185805
Benzo(b)fluoranthene	TX	5585	10185805
Benzo(g,h,i)perylene	TX	5590	10185805
Benzo(k)fluoranthene	TX	5600	10185805

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Benzoic acid	TX	5610	10185805
Benzyl alcohol	TX	5630	10185805
Biphenyl	TX	5640	10185805
bis(2-Chloroethoxy)methane	TX	5760	10185805
bis(2-Chloroethyl) ether	TX	5765	10185805
bis(2-Chloroisopropyl) ether	TX	5780	10185805
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185805
Butyl benzyl phthalate	TX	5670	10185805
Caprolactam	TX	7180	10185805
Captan	TX	7190	10185805
Carbaryl (Sevin)	TX	7195	10185805
Carbazole	TX	5680	10185805
Carbophenothion	TX	7220	10185805
Chlorobenzilate	TX	7260	10185805
Chrysene	TX	5855	10185805
Diallate	TX	7405	10185805
Dibenz(a,h) anthracene	TX	5895	10185805
Dibenz(a,j) acridine	TX	5900	10185805
Dibenzo(a,e) pyrene	TX	5890	10185805
Dibenzofuran	TX	5905	10185805
Dichlone	TX	7430	10185805
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185805
Diethyl phthalate	TX	6070	10185805
Dimethoate	TX	7475	10185805
Dimethyl phthalate	TX	6135	10185805
Di-n-butyl phthalate	TX	5925	10185805
Di-n-octyl phthalate	TX	6200	10185805
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10185805
Diphenylamine	TX	6205	10185805
Disulfoton	TX	8625	10185805

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Matrix: ***Solid & Chemical Materials***

Ethyl methanesulfonate	TX	6260	10185805
Famphur	TX	7580	10185805
Fluoranthene	TX	6265	10185805
Fluorene	TX	6270	10185805
Hexachlorobenzene	TX	6275	10185805
Hexachlorobutadiene	TX	4835	10185805
Hexachlorocyclopentadiene	TX	6285	10185805
Hexachloroethane	TX	4840	10185805
Hexachlorophene	TX	6290	10185805
Hydroquinone	TX	6310	10185805
Indeno(1,2,3-cd) pyrene	TX	6315	10185805
Isodrin	TX	7725	10185805
Isophorone	TX	6320	10185805
Isosafrole	TX	6325	10185805
Kepone	TX	7740	10185805
Methapyrilene	TX	6345	10185805
Methyl methanesulfonate	TX	6375	10185805
Methyl parathion (Parathion, methyl)	TX	7825	10185805
Methylphenols, total	TX	10313	10185805
Mevinphos	TX	7850	10185805
Mirex	TX	7870	10185805
Naphthalene	TX	5005	10185805
Nitrobenzene	TX	5015	10185805
Nitroquinoline-1-oxide	TX	6515	10185805
n-Nitrosodiethylamine	TX	6525	10185805
n-Nitrosodimethylamine	TX	6530	10185805
n-Nitrosodi-n-butylamine	TX	5025	10185805
n-Nitrosodi-n-propylamine	TX	6545	10185805
n-Nitrosodiphenylamine	TX	6535	10185805
n-Nitrosomethylethylamine	TX	6550	10185805

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Matrix: ***Solid & Chemical Materials***

n-Nitrosomorpholine	TX	6555	10185805
n-Nitrosopiperidine	TX	6560	10185805
n-Nitrosopyrrolidine	TX	6565	10185805
o,o,o-Triethyl phosphorothioate	TX	8290	10185805
Parathion, ethyl	TX	7955	10185805
p-Benzoquinone (Quinone)	TX	5620	10185805
Pentachlorobenzene	TX	6590	10185805
Pentachloronitrobenzene (PCNB)	TX	6600	10185805
Pentachlorophenol	TX	6605	10185805
Phenacetin	TX	6610	10185805
Phenanthrene	TX	6615	10185805
Phenol	TX	6625	10185805
Phorate	TX	7985	10185805
Pronamide (Kerb)	TX	6650	10185805
Pyrene	TX	6665	10185805
Pyridine	TX	5095	10185805
Safrole	TX	6685	10185805
Sulfotepp	TX	8155	10185805
Thionazin (Zinophos)	TX	8235	10185805
Toluene diisocyanate	TX	6775	10185805
tris-(2,3-Dibromopropyl) phosphate (tris-BP)	TX	8310	10185805

Method EPA 8315

Analyte	**AB**	**Analyte ID**	**Method ID**
Formaldehyde	TX	4815	10188008

Method EPA 9012

Analyte	**AB**	**Analyte ID**	**Method ID**
Amenable cyanide	TX	1510	10193405
Total Cyanide	TX	1635	10193405

Method EPA 9034

Analyte	**AB**	**Analyte ID**	**Method ID**
Sulfide	TX	2005	10196006

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Matrix: ***Solid & Chemical Materials***

Method EPA 9038

Analyte	AB	Analyte ID	Method ID
Sulfate	TX	2000	10196608

Method EPA 9040

Analyte	AB	Analyte ID	Method ID
Corrosivity	TX	1615	10197203
pH	TX	1900	10197203

Method EPA 9045

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10198400

Method EPA 9050

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10198808

Method EPA 9056

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209
Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Orthophosphate as P	TX	1870	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9066

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10200609

Method EPA 9071

Analyte	AB	Analyte ID	Method ID

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Matrix: *Solid & Chemical Materials*

Silica Gel Treated n-Hexane Extractable Material (SGT-HEM)	TX	10220	10201806
Method EPA 9095			
Analyte	**AB**	**Analyte ID**	**Method ID**
Paint Filter Liquids Test	TX	10312	10204203
Method SSA/ASA Part 3:34			
Analyte	**AB**	**Analyte ID**	**Method ID**
Carbon, organic (Walkley-Black)	TX	10340	SSA/ASA Pt 3:34
Method TCEQ 1005			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

PROJECT:	Exide Undeveloped Buffer Property Investigation Frisco, Texas
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas
EVENT:	Grid Sampling and South 5th Street – March 2013
INTENDED USE:	Evaluation and Delineation of Soils
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Orders: 600-70262-1, 600-70262-2, 600-70373-1, 600-70422-1, 600-70491-1, 600-70491-2, 600-70491-3, 600-70491-4, 600-70491-5, and 600-70491-7
TESTS/ METHODS:	Total Metals (As, Cd and/or Pb) SW846 3050B/6010B
SAMPLES REVIEWED:	260 soil samples, 25 field duplicates, 15 field MS/MSD pair, 16 laboratory MS/MSD pairs, 6 equipment rinsate blanks (see Table 1 for a complete listing)

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports;
- Laboratory Electronic Data Deliverable (EDD); and
- Project field notes from the sampling event.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and ±MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13
- Soil Samples: ± 3x MQL difference (if either result is less than 5x MQL) or 50% RPD (for field duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13. A list of all qualified results and definitions of the qualifier and bias codes are given in Table 2.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs.

2. Usability of Qualified Data – There are no major QC deficiencies, and thus all data is usable as qualified for the intended use. As shown in Table 2, the reviewer qualified some detects and non-detects as biased low (JL and UJL) and some detects as estimated (J) due to minor QC deficiencies. Results that are biased low can be used for determining the presence of the analyte and as an indication that the concentration of the analyte exceeds a given criterion. However, the concentration reported for detects or the SQL for non-detects may be low. Results that are estimated may be either low or high. The reviewer also qualified one Cadmium detect as potentially contaminated (U) due to detection of the analyte in the associated laboratory blank. The analyte should be considered not detected at or above the reported concentration. Additionally, results with a laboratory J-flag (i.e., at a concentration between the SDL and MQL) should be considered estimates. The actual value is not expected to exceed the sample MQL.

QAA Reviewer:	Taryn G. Scholz	5/10/13
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data packages contain all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contain all sample results in acceptable format. Several of the data packages and EDD required revision, generally to correct a login error for a sample field ID. All revisions are detailed in the laboratory narrative.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody records is complete and agrees with that in the field notes and laboratory reports, except as follows: • Two samples (JK-5 and K-5C Dup) are listed on the custody record for laboratory work order 600-70373-1 but were not placed in the shipping cooler. Both samples are included on the custody record for the next day's shipment and were received by the laboratory in good condition and logged in under lab ID 600-70422-57 and 600-70422-58. The reviewer also confirmed that all tests are reported as requested on the custody record and found the following changes: • For work order 600-70491-1, several samples are marked “Hold” on the custody record pending results for the first depth interval from that location. Eighteen samples were released for Total Cadmium and Total Lead analysis per PBW’s request. The results are reported in work orders 600-70491-2, 600-70491-3, 600-70491-4, 600-70491-5, and 600-70491-7. • Total Arsenic was added for five samples per PBW’s request. The results are reported in work order 600-70262-2.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation. Note that neither chemical nor thermal preservation is required for metals (except Mercury) in soils per SW-846 *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*.
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a shipping cooler for pickup by the laboratory courier and overnight delivery to the laboratory. Twenty-five (25) field duplicates were collected and analyzed with the 260 investigative samples that were analyzed for one or more tests. Additionally, the sampler collected six equipment rinsate blanks, two for each day of grid sampling, which required decontaminated equipment.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL and the EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in mg/kg with dry-weight correction. Non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. The concentration reported for detects between the SDL and MQL is below the calibration range and thus is considered estimated. A few of the samples required dilution (10x) due to a high concentration of analyte; however, there are no elevated reporting limits for non-detects.

QC PARAMETER	QC OUTCOME

MQLs

The LORPs have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. The Unadjusted MQL for the laboratory is at or below the LORP for each analyte.

MDLs

According to the LRC, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data packages.

Laboratory Blanks

No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory, except as follows:

Blank Type	QC Batch	Analyte	Blank Concentration
Method	103145	Cadmium	0.04000 J mg/kg
Method	103145	Lead	0.1850 J mg/kg

Results for samples prepared in the same QC batch as a contaminated method blank may be biased high due to laboratory contamination. None of the samples associated with the above blank have a Lead concentration similar to the blank (i.e., within five times that measured in the blank). One associated sample (EW-2) has a Cadmium concentration within five times that measured in the blank, and thus the reviewer qualified this result as potentially contaminated (U).

Field QC Blanks

No analytes are reported above the detection limit in the equipment rinsate blanks, which confirms that no contamination was introduced in the field.

Laboratory Control Spike Recovery

The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. The LCS recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.

Matrix Spike Recovery

The laboratory prepared one or more Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. MS/MSD recoveries provide an indication of the accuracy for the preparation and analysis technique on the given sample matrix. Additionally, the laboratory prepared one Post Digestion Spike (PDS) with each analytical batch. PDS recoveries provide an indication of the accuracy for the analysis technique on the given sample matrix.

The laboratory reported MS/MSD recoveries for MS/MSD prepared using a sample from the site, which includes 31 MS/MSD pairs for this event as shown in Table 1.

PDS outcomes are given on the LRC but PDS data are not reportable data per TRRP-13. According to the LRC, the PDS met method requirements, which indicates good accuracy for the analysis technique on the given sample matrix, except as follows:

- The recoveries for Cadmium for the PDS prepared using samples D-21C (lab ID 600-70262-20), I-18A1 (lab ID 600-70262-69), and LM-19 (lab ID 600-70343-40) are below the acceptance limits due to matrix interference.
- The recoveries for Lead for the PDS prepared using samples D-21C (lab ID 600-70262-20), CD-19 (lab ID 600-70262-52), and LM-19 (lab ID 600-70343-40) are below the acceptance limits due to matrix interference.

QC PARAMETER	QC OUTCOME
Matrix Spike Recovery	Since the limits used by the laboratory (75-125%) differ from the data quality criteria (70-130%) and in order to better evaluate data quality, the reviewer requested PDS data from TestAmerica for work orders 600-70262-1 and 700-70343-1 and it was provided as package addenda (see Attachment 2). The MS/MSD and PDS results are presented in Table 3. The recoveries are within the TRRP recommended criteria, except in a few cases. The reviewer assessed data quality and applied qualifiers as shown in the table.
Surrogate Recovery	Surrogates are not used for 6010B metals analysis.
Laboratory Duplicate Precision	The laboratory prepared one or more Matrix Spike Duplicate (MSD) and Matrix Duplicate (MD) for each analytical batch. RPDs are reported for MSD and MD prepared using a sample from the site, which includes 31 MSD and 31 MD for this event as shown in Table 1.
Laboratory Duplicate Precision	The RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix, except in two cases as follows: • For QC batch 103456, the Lead RPDs are above the limit for both the MSD (at 40%) and the MD (at 34%) prepared using sample M-16A3 (1-2). • For QC batch 103635, the Lead RPD is above the limit for the MSD (at 53%) prepared using sample O-15A6 (1-2). The MD RPD passes the criteria. In both cases, a potential bias is indicated for results for samples prepared in the same QC batch and of similar matrix. Thus, the reviewer qualified the Lead results for South 5th street samples with similar levels of Lead in each of these QC batches as estimated with an unknown bias (J).
Field Duplicate Precision	Twenty-five (25) field duplicates were collected with the samples. Results are summarized in Table 4. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP criteria for all pairs, which indicates good precision for the sampling, preparation, and analysis technique on the given sample matrix.
Instrument Tuning	Instrument tuning is not required for 6010B metals analysis.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations, except as follows: • A continuing calibration verification (CCV) standard analyzed on 3/29/13 (analytical batch 102816) recovered above the upper control limit for Cadmium. • A continuing calibration verification (CCV) standard analyzed on 4/2/13 (analytical batch 103040) recovered above the upper control limit for Cadmium. A recovery above the limit indicates a potential high bias for sample detects. In both cases, the laboratory re-analyzed all associated samples (i.e., those analyzed before or after the CCV) with a detect for Cadmium and flagged the results for samples with non-detects as U^. Since detects were reported from the re-analyses and data quality is not affected for non-detects, the reviewer did not qualify the data.

QC PARAMETER	QC OUTCOME
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists, except as follows: • The %differences for Lead for the serial dilutions (SD) prepared using samples D-21C (lab ID 600-70262-20), CD-19 (lab ID 600-70262-52), I-18A1 (lab ID 600-70262-69), LM-19 (lab ID 600-70373-40), and KL-1 (600-70373-108) are above the acceptance limit due to matrix interference. SD outcomes are given on the LRC but SD data are not reportable data per TRRP-13. Since the limit used by the laboratory (10%) differs from the data quality criteria (30%) and in order to better evaluate data quality, the reviewer requested SD data from TestAmerica for work orders 600-70262-1 and 700-70343-1 and it was provided as package addenda (see Attachment 2). The SD results are presented in Table 3. For %differences outside the criteria, the reviewer assessed data quality and applied qualifiers as shown in the table.
Internal Standards	Internal standards are not used for 6010B metals analysis.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID SAMPLING AND SOUTH 5TH STREET – MARCH 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70262-001	AB-6	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-001	AB-6	MS	Solid	3/18/13	1	NA	102224	102224
600-70262-001	AB-6	MSD	Solid	3/18/13	1	NA	102224	102224
600-70262-001	AB-6	MD	Solid	3/18/13	1	NA	102224	102224
600-70262-002	AB-7	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-003	BC-8	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-004	BC-7	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-005	BC-6	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-006	BC-5	INV	Solid	3/18/13	1	NA	102224	102224
600-70262-007	DE-5	INV	Solid	3/18/13	1	102224	102224	102224
600-70262-008	DE-6	INV	Solid	3/18/13	1	102224	102224	102224
600-70262-009	DE-7	INV	Solid	3/18/13	1	102224	102224	102224
600-70262-010	EF-17	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-011	EF-17 Dup	FD	Solid	3/18/13	1	NA	102248	102248
600-70262-012	F-18C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-013	F-19C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-014	F-20C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-015	F-21C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-016	EF-21	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-017	E-21C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-018	DE-22	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-019	DE-21	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-020	D-21C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-020	D-21C	MS	Solid	3/18/13	1	NA	102248	102248
600-70262-020	D-21C	MSD	Solid	3/18/13	1	NA	102248	102248
600-70262-020	D-21C	MD	Solid	3/18/13	1	NA	102248	102248
600-70262-021	D-21C Dup	FD	Solid	3/18/13	1	NA	102248	102248
600-70262-022	D-22C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-023	CD-21	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-024	C-21C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-025	C-22C	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-026	CD-17	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-027	BC-16	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-027	BC-16	MS	Solid	3/18/13	1	NA	102248	102248
600-70262-027	BC-16	MSD	Solid	3/18/13	1	NA	102248	102248
600-70262-027	BC-16	MD	Solid	3/18/13	1	NA	102248	102248
600-70262-028	BC-16 Dup	FD	Solid	3/18/13	1	NA	102248	102248
600-70262-029	C-19	INV	Solid	3/18/13	1	NA	102248	102248
600-70262-030	G-20C	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-031	G-19C	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-032	G-18C	INV	Solid	3/18/13	1	NA	102734	102734

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70262-033	GH-19	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-034	H-19C	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-035	HI-20	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-036	I-20C	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-037	CD-5	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-038	CD-6	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-039	CD-7	INV	Solid	3/18/13	1	NA	102734	102734
600-70262-040	EF-7	INV	Solid	3/18/13	1	102734	102734	102734
600-70262-041	EF-6	INV	Solid	3/18/13	1	102734	102734	102734
600-70262-041	EF-6	MS	Solid	3/18/13	1	102734	102734	102734
600-70262-041	EF-6	MSD	Solid	3/18/13	1	102734	102734	102734
600-70262-041	EF-6	MD	Solid	3/18/13	1	102734	102734	102734
600-70262-042	E-18C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-043	EF-19	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-044	E-20C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-045	DE-20	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-046	DE-19	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-047	DE-19 Dup	FD	Solid	3/18/13	1	NA	102745	102745
600-70262-048	DE-17	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-049	DE-18	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-050	D-19C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-051	D-20C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-052	CD-19	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-052	CD-19	MS	Solid	3/18/13	1	NA	102745	102745
600-70262-052	CD-19	MSD	Solid	3/18/13	1	NA	102745	102745
600-70262-052	CD-19	MD	Solid	3/18/13	1	NA	102745	102745
600-70262-053	D-18C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-054	CD-16	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-055	C-18C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-056	BC-17	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-056	BC-17	MS	Solid	3/18/13	1	NA	102745	102745
600-70262-056	BC-17	MSD	Solid	3/18/13	1	NA	102745	102745
600-70262-056	BC-17	MD	Solid	3/18/13	1	NA	102745	102745
600-70262-057	FG-18	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-058	FG-19	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-059	FG-20	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-060	H-20C	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-061	HI-19	INV	Solid	3/18/13	1	NA	102745	102745
600-70262-062	EQ1	EB	Water	3/18/13	1	NA	102151	102151
600-70262-063	EQ2	EB	Water	3/18/13	1	NA	102151	102151
600-70262-064	FG-19 Dup	FD	Solid	3/18/13	1	NA	102768	102768
600-70262-065	JK-20	INV	Solid	3/19/13	1	NA	102768	102768
600-70262-066	J-20C	INV	Solid	3/19/13	1	NA	102768	102768
600-70262-067	I-18A3	INV	Solid	3/19/13	1	NA	102768	102768
600-70262-068	I-19C	INV	Solid	3/19/13	1	NA	102768	102768
600-70262-069	I-18A1	INV	Solid	3/19/13	1	NA	102768	102768
600-70262-069	I-18A1	MS	Solid	3/19/13	1	NA	102768	102768
600-70262-069	I-18A1	MSD	Solid	3/19/13	1	NA	102768	102768

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70262-069	I-18A1	MD	Solid	3/19/13	1	NA	102768	102768
600-70262-070	I-18A1 Dup	FD	Solid	3/19/13	1	NA	102768	102768
600-70262-071	I-18A4	INV	Solid	3/19/13	1	NA	102768	102768
600-70373-001	K-18C	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-002	JK-18	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-003	JK-17	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-004	JK-16	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-005	JK-15	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-006	IJ-15	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-007	L-16A4	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-008	L-16A3	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-009	M-16A4	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-010	N-16A1	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-010	N-16A1	MS	Solid	3/19/13	1	NA	102784	102784
600-70373-010	N-16A1	MSD	Solid	3/19/13	1	NA	102784	102784
600-70373-010	N-16A1	MD	Solid	3/19/13	1	NA	102784	102784
600-70373-011	N-16A1 DUP	FD	Solid	3/19/13	1	NA	102784	102784
600-70373-012	N-16A2	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-012	N-16A2	MS	Solid	3/19/13	1	NA	102784	102784
600-70373-012	N-16A2	MSD	Solid	3/19/13	1	NA	102784	102784
600-70373-012	N-16A2	MD	Solid	3/19/13	1	NA	102784	102784
600-70373-013	Q-14/15	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-014	Q-12/13	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-015	Q-11C	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-016	Q-10C	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-017	Q-12C	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-018	Q-13C	INV	Solid	3/19/13	1	NA	102784	102784
600-70373-019	QR-16	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-020	O-15A15	INV	Solid	3/19/13	1	NA	102972	NA
600-70373-020DL	O-15A15	INV	Solid	3/19/13	10	NA	NA	102972
600-70373-021	O-15A16	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-021	O-15A16	MS	Solid	3/19/13	1	NA	102972	102972
600-70373-021	O-15A16	MSD	Solid	3/19/13	1	NA	102972	102972
600-70373-021	O-15A16	MD	Solid	3/19/13	1	NA	102972	102972
600-70373-022	O-15A16 DUP	FD	Solid	3/19/13	1	NA	102972	102972
600-70373-023	O-15A13	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-024	O-15A14	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-025	O-15A3	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-025	O-15A3	MS	Solid	3/19/13	1	NA	102972	102972
600-70373-025	O-15A3	MSD	Solid	3/19/13	1	NA	102972	102972
600-70373-025	O-15A3	MD	Solid	3/19/13	1	NA	102972	102972
600-70373-026	O-15A4	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-027	O-15A2	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-028	NO-16	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-029	P-17C	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-030	PQ-16	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-031	O-18	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-032	NO-17	INV	Solid	3/19/13	1	NA	102972	102972

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70373-033	NO-17 DUP	FD	Solid	3/19/13	1	NA	102972	102972
600-70373-034	N-18C	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-035	L-19C	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-036	M-18C	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-037	HI-15	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-038	N-18/19	INV	Solid	3/19/13	1	NA	102972	102972
600-70373-039	M-19C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-040	LM-19	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-040	LM-19	MS	Solid	3/19/13	1	NA	102994	102994
600-70373-040	LM-19	MSD	Solid	3/19/13	1	NA	102994	102994
600-70373-040	LM-19	MD	Solid	3/19/13	1	NA	102994	102994
600-70373-041	L-20C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-042	L-20C DUP	FD	Solid	3/19/13	1	NA	102994	102994
600-70373-043	K-19C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-043	K-19C	MS	Solid	3/19/13	1	NA	102994	102994
600-70373-043	K-19C	MSD	Solid	3/19/13	1	NA	102994	102994
600-70373-043	K-19C	MD	Solid	3/19/13	1	NA	102994	102994
600-70373-044	K-20C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-045	GH-16	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-046	GH-17	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-047	H-18C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-048	HI-17	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-049	I-18C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-050	I-18A2	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-051	I-18A2 DUP	FD	Solid	3/19/13	1	NA	102994	102994
600-70373-052	HI-16	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-053	IJ-16	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-054	J-18C	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-055	KL-15	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-056	L-16A1	INV	Solid	3/19/13	1	NA	102994	NA
600-70373-056DL	L-16A1	INV	Solid	3/19/13	10	NA	NA	102994
600-70373-057	L-16A2	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-058	NO-14	INV	Solid	3/19/13	1	NA	102994	102994
600-70373-059	O-15C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-060	O-15A5	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-061	O-15A8	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-062	O-15A8 DUP	FD	Solid	3/19/13	1	NA	103004	103004
600-70373-063	O-15A10	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-064	P-15C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-065	O-14C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-065	O-14C	MS	Solid	3/19/13	1	NA	103004	103004
600-70373-065	O-14C	MSD	Solid	3/19/13	1	NA	103004	103004
600-70373-065	O-14C	MD	Solid	3/19/13	1	NA	103004	103004
600-70373-066	O-13C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-067	NO-13	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-068	P-14C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-069	PQ-14	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-070	Q-14C	INV	Solid	3/19/13	1	NA	103004	103004

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70373-070	Q-14C	MS	Solid	3/19/13	1	NA	103004	103004
600-70373-070	Q-14C	MSD	Solid	3/19/13	1	NA	103004	103004
600-70373-070	Q-14C	MD	Solid	3/19/13	1	NA	103004	103004
600-70373-071	PQ-13	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-072	P-13C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-073	P-13C DUP	FD	Solid	3/19/13	1	NA	103004	103004
600-70373-074	O-12C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-075	OP-12	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-076	PQ-12	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-077	P-12C	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-078	PQ-11	INV	Solid	3/19/13	1	NA	103004	103004
600-70373-079	P-11C	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-080	PQ-9	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-081	O-11C	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-082	OP-10	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-083	MN-9	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-084	MN-9 DUP	FD	Solid	3/19/13	1	NA	103017	103017
600-70373-084	MN-9 DUP	MS	Solid	3/19/13	1	NA	103017	103017
600-70373-084	MN-9 DUP	MSD	Solid	3/19/13	1	NA	103017	103017
600-70373-084	MN-9 DUP	MD	Solid	3/19/13	1	NA	103017	103017
600-70373-085	M-8C	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-086	LM-9	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-087	LM-10	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-087	LM-10	MS	Solid	3/19/13	1	NA	103017	103017
600-70373-087	LM-10	MSD	Solid	3/19/13	1	NA	103017	103017
600-70373-087	LM-10	MD	Solid	3/19/13	1	NA	103017	103017
600-70373-088	L-18C	INV	Solid	3/19/13	1	NA	103017	103017
600-70373-089	EQ-3	EB	Water	3/19/13	1	NA	102296	102296
600-70373-090	EQ-4	EB	Water	3/19/13	1	NA	102296	102296
600-70373-091	Q-10/11	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-092	P-9C	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-093	OP-8	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-094	O-8C	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-095	NO-7	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-096	N-7C	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-097	NO-8	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-098	N-8C	INV	Solid	3/20/13	1	NA	103017	103017
600-70373-099	MN-6	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-100	M-6C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-101	M-6C DUP	FD	Solid	3/20/13	1	NA	103031	103031
600-70373-102	LM-5	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-103	M-7C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-104	L-5C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-105	L-4C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-106	L-3C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-107	L-2C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-108	KL-1	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-108	KL-1	MS	Solid	3/20/13	1	NA	103031	103031

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70373-108	KL-1	MSD	Solid	3/20/13	1	NA	103031	103031
600-70373-108	KL-1	MD	Solid	3/20/13	1	NA	103031	103031
600-70373-109	K-2C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-110	K-3C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-111	KL-3	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-112	JK-2	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-112	JK-2	MS	Solid	3/20/13	1	NA	103031	103031
600-70373-112	JK-2	MSD	Solid	3/20/13	1	NA	103031	103031
600-70373-112	JK-2	MD	Solid	3/20/13	1	NA	103031	103031
600-70373-113	JK-2 DUP	FD	Solid	3/20/13	1	NA	103031	103031
600-70373-114	JK-3	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-115	JK-4	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-116	K-4C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-117	K-5C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-120	M-5C	INV	Solid	3/20/13	1	NA	103031	103031
600-70373-121	LM-4	INV	Solid	3/20/13	1	NA	103054	103054
600-70373-122	LM-3	INV	Solid	3/20/13	1	NA	103054	103054
600-70373-123	LM-2	INV	Solid	3/20/13	1	NA	103054	103054
600-70373-124	LM-1	INV	Solid	3/20/13	1	NA	103054	103054
600-70373-124	LM-1	MS	Solid	3/20/13	1	NA	103054	103054
600-70373-124	LM-1	MSD	Solid	3/20/13	1	NA	103054	103054
600-70373-124	LM-1	MD	Solid	3/20/13	1	NA	103054	103054
600-70422-001	O-7C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-002	P-8C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-003	NO-6	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-004	NO-6 Dup	FD	Solid	3/20/13	1	NA	103054	103054
600-70422-005	N-6C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-005	N-6C	MS	Solid	3/20/13	1	NA	103054	103054
600-70422-005	N-6C	MSD	Solid	3/20/13	1	NA	103054	103054
600-70422-005	N-6C	MD	Solid	3/20/13	1	NA	103054	103054
600-70422-006	M-1C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-007	M-2C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-008	M-3C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-009	M-4C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-010	N-2C	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-011	MN-2	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-012	HI-2	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-013	HI-3	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-014	HI-3 Dup	FD	Solid	3/20/13	1	NA	103054	103054
600-70422-015	HI-4	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-016	HI-5	INV	Solid	3/20/13	1	NA	103054	103054
600-70422-017	HI-6	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-018	P-10C	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-019	PQ-10	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-019	PQ-10	MS	Solid	3/20/13	1	NA	103065	103065
600-70422-019	PQ-10	MSD	Solid	3/20/13	1	NA	103065	103065
600-70422-019	PQ-10	MD	Solid	3/20/13	1	NA	103065	103065
600-70422-020	O-10C	INV	Solid	3/20/13	1	NA	103065	103065

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70422-021	O-9C	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-022	NO-9	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-022	NO-9	MS	Solid	3/20/13	1	NA	103065	103065
600-70422-022	NO-9	MSD	Solid	3/20/13	1	NA	103065	103065
600-70422-022	NO-9	MD	Solid	3/20/13	1	NA	103065	103065
600-70422-023	MN-8	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-024	MN-8 Dup	FD	Solid	3/20/13	1	NA	103065	103065
600-70422-025	LM-8	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-026	LM-7	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-027	LM-6	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-028	KL-9	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-029	KL-8	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-030	KL-7	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-031	KL-6	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-032	KL-5	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-033	JK-6	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-034	IJ-5	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-035	IJ-5 Dup	FD	Solid	3/20/13	1	NA	103065	103065
600-70422-036	IJ-6	INV	Solid	3/20/13	1	NA	103065	103065
600-70422-037	IJ-4	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-038	IJ-3	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-039	IJ-2	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-040	PQ-7	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-041	P-7C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-042	OP-6	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-042	OP-6	MS	Solid	3/20/13	1	NA	103069	103069
600-70422-042	OP-6	MSD	Solid	3/20/13	1	NA	103069	103069
600-70422-042	OP-6	MD	Solid	3/20/13	1	NA	103069	103069
600-70422-043	P-6C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-044	O-6C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-045	NO-5	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-046	NO-5 Dup	FD	Solid	3/20/13	1	NA	103069	103069
600-70422-047	O-5C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-048	NO-3	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-049	OP-4	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-050	N-4C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-051	MN-4	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-052	N-5C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-053	N-3C	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-054	N-3C Dup	FD	Solid	3/20/13	1	NA	103069	103069
600-70422-054	N-3C Dup	MS	Solid	3/20/13	1	NA	103069	103069
600-70422-054	N-3C Dup	MSD	Solid	3/20/13	1	NA	103069	103069
600-70422-054	N-3C Dup	MD	Solid	3/20/13	1	NA	103069	103069
600-70422-055	NO-2	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-056	HI-7	INV	Solid	3/20/13	1	NA	103069	103069
600-70422-057	JK-5	INV	Solid	3/20/13	1	NA	103136	103136
600-70422-058	K-5C Dup	FD	Solid	3/20/13	1	NA	103136	103136
600-70422-059	EQ-5	EB	Water	3/20/13	1	NA	102708	102708

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70422-060	EQ-6	EB	Water	3/20/13	1	NA	102708	102708
600-70491-001	O-15A7	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-002	O-15A7 (0-1)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-003	O-15A7 (1-2)	INV	Solid	3/22/13	1	NA	103456	103456
600-70491-005	O-15A9	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-006	O-15A9 (0-1)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-007	O-15A9 (1-2)	INV	Solid	3/22/13	1	NA	103456	103456
600-70491-008	EW-3	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-009	N-16WA	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-009	N-16WA	MS	Solid	3/22/13	1	NA	103136	103136
600-70491-009	N-16WA	MSD	Solid	3/22/13	1	NA	103136	103136
600-70491-009	N-16WA	MD	Solid	3/22/13	1	NA	103136	103136
600-70491-010	M-16A3	INV	Solid	3/22/13	1	NA	103136	NA
600-70491-010DL	M-16A3	INV	Solid	3/22/13	10	NA	NA	103136
600-70491-011	M-16A3 (0-1)	INV	Solid	3/22/13	1	NA	103379	NA
600-70491-011DL	M-16A3 (0-1)	INV	Solid	3/22/13	10	NA	NA	103379
600-70491-012	M-16A3 (1-2)	INV	Solid	3/22/13	1	NA	103456	103456
600-70491-012	M-16A3 (1-2)	MS	Solid	3/22/13	1	NA	103456	103456
600-70491-012	M-16A3 (1-2)	MSD	Solid	3/22/13	1	NA	103456	103456
600-70491-012	M-16A3 (1-2)	MD	Solid	3/22/13	1	NA	103456	103456
600-70491-013	M-16A1	INV	Solid	3/22/13	1	NA	103136	NA
600-70491-013DL	M-16A1	INV	Solid	3/22/13	10	NA	NA	103136
600-70491-014	M-16A1 Dup	FD	Solid	3/22/13	1	NA	103136	NA
600-70491-014DL	M-16A1 Dup	FD	Solid	3/22/13	10	NA	NA	103136
600-70491-015	M-16A1 (0-1)	INV	Solid	3/22/13	1	NA	103379	103379
600-70491-016	M-16A1 (1-2)	INV	Solid	3/22/13	1	NA	103456	103456
600-70491-017	EW-4	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-018	EW-5	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-019	EW-6	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-020	EW-7	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-020	EW-7	MS	Solid	3/22/13	1	NA	103136	103136
600-70491-020	EW-7	MSD	Solid	3/22/13	1	NA	103136	103136
600-70491-020	EW-7	MD	Solid	3/22/13	1	NA	103136	103136
600-70491-021	O-15A8 (0-1)	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-022	O-15A8 (1-2)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-024	O-15A1	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-025	O-15A1 (0-1)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-026	O-15A1 (1-2)	INV	Solid	3/22/13	1	NA	103456	103456
600-70491-029	O-15 (0-1)	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-030	O-15 (1-2)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-030	O-15 (1-2)	MS	Solid	3/22/13	1	NA	103236	103236
600-70491-030	O-15 (1-2)	MSD	Solid	3/22/13	1	NA	103236	103236
600-70491-030	O-15 (1-2)	MD	Solid	3/22/13	1	NA	103236	103236
600-70491-033	O-15A11 (0-1)	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-034	O-15A11 (1-2)	INV	Solid	3/22/13	1	NA	103236	103236
600-70491-036	EW-1	INV	Solid	3/22/13	1	NA	103136	103136
600-70491-037	O-15A12	INV	Solid	3/22/13	1	NA	103145	103145
600-70491-038	O-15A12 Dup	FD	Solid	3/22/13	1	NA	103145	103145

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						As	Cd	Pb
600-70491-039	O-15A12 (0-1)	INV	Solid	3/22/13	1	NA	103379	103379
600-70491-040	O-15A12 (1-2)	INV	Solid	3/22/13	1	NA	103635	103635
600-70491-042	EW-2	INV	Solid	3/22/13	1	NA	103145	103145
600-70491-042	EW-2	MS	Solid	3/22/13	1	NA	103145	103145
600-70491-042	EW-2	MSD	Solid	3/22/13	1	NA	103145	103145
600-70491-042	EW-2	MD	Solid	3/22/13	1	NA	103145	103145
600-70491-043	O-15A6	INV	Solid	3/22/13	1	NA	103145	103145
600-70491-044	O-15A6 (0-1)	INV	Solid	3/22/13	1	NA	103379	103379
600-70491-045	O-15A6 (1-2)	INV	Solid	3/22/13	1	NA	103635	103635
600-70491-045	O-15A6 (1-2)	MS	Solid	3/22/13	1	NA	103635	103635
600-70491-045	O-15A6 (1-2)	MSD	Solid	3/22/13	1	NA	103635	103635
600-70491-045	O-15A6 (1-2)	MD	Solid	3/22/13	1	NA	103635	103635
600-70491-046	O-15A6 (2-2.5)	INV	Solid	3/22/13	1	NA	103765	103765

DF – Dilution Factor

EB – Equipment Rinsate Blank

FD – Field Duplicate

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

TABLE 2
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID SAMPLING AND SOUTH 5TH STREET – MARCH 2013

QUALIFIED SAMPLE RESULTS

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
BC-16	600-70262-027	3/18/13	Lead	28		mg/Kg	JL	Low average MS/MSD recovery (67.5%)
BC-17	600-70262-056	3/18/13	Cadmium	0.039	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
BC-17	600-70262-056	3/18/13	Lead	71.6		mg/Kg	JL	Low average MS/MSD recovery (65%)
C-18C	600-70262-055	3/18/13	Cadmium	0.0262	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
CD-16	600-70262-054	3/18/13	Cadmium	0.0669	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
CD-19	600-70262-052	3/18/13	Cadmium	0.0312	U	mg/Kg	UJL	Low average MS/MSD recovery (68.5%)
CD-19	600-70262-052	3/18/13	Lead	13.9		mg/Kg	JL	SD %difference (36%) outside the criteria with lower undiluted result
D-18C	600-70262-053	3/18/13	Cadmium	0.27	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
D-19C	600-70262-050	3/18/13	Cadmium	0.029	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
D-20C	600-70262-051	3/18/13	Cadmium	0.0285	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
D-21C	600-70262-020	3/18/13	Lead	28.3		mg/Kg	JL	Low PDS recovery (66%); SD %difference (36%) outside the criteria with lower undiluted result
DE-17	600-70262-048	3/18/13	Cadmium	0.369		mg/Kg	JL	Low average MS/MSD recovery (66.5%)
DE-18	600-70262-049	3/18/13	Cadmium	0.259	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
DE-19	600-70262-046	3/18/13	Cadmium	0.258	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
DE-19 Dup	600-70262-047	3/18/13	Cadmium	0.366		mg/Kg	JL	Low average MS/MSD recovery (66.5%)
DE-20	600-70262-045	3/18/13	Cadmium	0.114	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
E-18C	600-70262-042	3/18/13	Cadmium	0.403		mg/Kg	JL	Low average MS/MSD recovery (66.5%)
E-20C	600-70262-044	3/18/13	Cadmium	0.514		mg/Kg	JL	Low average MS/MSD recovery (66.5%)
EF-19	600-70262-043	3/18/13	Cadmium	0.391		mg/Kg	JL	Low average MS/MSD recovery (66.5%)
EW-2	600-70491-042	3/22/13	Cadmium	0.044	J b	mg/Kg	U	Laboratory blank contamination (0.04000 J mg/Kg); Result is between SDL and MQL

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
FG-18	600-70262-057	3/18/13	Cadmium	0.0935	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
FG-19	600-70262-058	3/18/13	Cadmium	0.124	J	mg/Kg	J	Low average MS/MSD recovery (66.5%); Result is between SDL and MQL
FG-19 Dup	600-70262-064	3/18/13	Cadmium	0.111	J	mg/Kg	J	Low average MS/MSD recovery (67%); Low PDS recovery (66%); Result is between SDL and MQL
FG-20	600-70262-059	3/18/13	Cadmium	0.0259	U ^	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
H-20C	600-70262-060	3/18/13	Cadmium	0.0302	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
HI-19	600-70262-061	3/18/13	Cadmium	0.0262	U	mg/Kg	UJL	Low average MS/MSD recovery (66.5%)
I-18A1	600-70262-069	3/19/13	Cadmium	0.252	J	mg/Kg	J	Low average MS/MSD recovery (67%); Low PDS recovery (66%); Result is between SDL and MQL
I-18A1 Dup	600-70262-070	3/19/13	Cadmium	0.556		mg/Kg	JL	Low average MS/MSD recovery (67%); Low PDS recovery (66%)
I-18A3	600-70262-067	3/19/13	Cadmium	0.133	J	mg/Kg	J	Low average MS/MSD recovery (67%); Low PDS recovery (66%); Result is between SDL and MQL
I-18A4	600-70262-071	3/19/13	Cadmium	0.379		mg/Kg	JL	Low average MS/MSD recovery (67%); Low PDS recovery (66%)
I-19C	600-70262-068	3/19/13	Cadmium	0.0295	J	mg/Kg	J	Low average MS/MSD recovery (67%); Low PDS recovery (66%); Result is between SDL and MQL
J-20C	600-70262-066	3/19/13	Cadmium	0.169	J	mg/Kg	J	Low average MS/MSD recovery (67%); Low PDS recovery (66%); Result is between SDL and MQL
JK-20	600-70262-065	3/19/13	Cadmium	0.0262	U	mg/Kg	UJL	Low average MS/MSD recovery (67%); Low PDS recovery (66%)
LM-19	600-70373-040	3/19/13	Lead	86		mg/Kg	JL	SD %difference (32%) outside the criteria with lower undiluted result
M-16A1 (1-2)	600-70491-016	3/22/13	Lead	87.8		mg/Kg	J	High average MS/MSD recovery (133%); Poor MSD precision (40 RPD); Poor MD precision (34 RPD)
M-16A3 (1-2)	600-70491-012	3/22/13	Lead	46.4		mg/Kg	J	High average MS/MSD recovery (133%); Poor MSD precision (40 RPD); Poor MD precision (34 RPD)
O-15A1 (1-2)	600-70491-026	3/22/13	Lead	10.6		mg/Kg	J	High average MS/MSD recovery (133%); Poor MSD precision (40 RPD); Poor MD precision (34 RPD)
O-15A12 (1-2)	600-70491-040	3/22/13	Lead	10.8		mg/Kg	J	High average MS/MSD recovery (143%); Poor MSD precision (53 RPD)
O-15A6 (1-2)	600-70491-045	3/22/13	Lead	34.1		mg/Kg	J	High average MS/MSD recovery (143%); Poor MSD precision (53 RPD)

Field ID	Lab ID	Sample Date	Analyte	Lab Result		DVQ	QC_Comment
O-15A6 (2-2.5)	600-70491-046	3/22/13	Lead	5.15	mg/Kg	J	High average MS/MSD recovery (143%); Poor MSD precision (53 RPD)
O-15A7 (1-2)	600-70491-003	3/22/13	Lead	17.1	mg/Kg	J	High average MS/MSD recovery (133%); Poor MSD precision (40 RPD); Poor MD precision (34 RPD)
O-15A9 (1-2)	600-70491-007	3/22/13	Lead	6.88	mg/Kg	J	High average MS/MSD recovery (133%); Poor MSD precision (40 RPD); Poor MD precision (34 RPD)

Note: In addition to the above results, all detects between the SDL and MQL (i.e., results with a laboratory J-flag) should be considered estimated since the reported concentration is below the calibration range.

U – Potentially contaminated; The analyte was not detected >5x (10x for common contaminants) the level in an associated blank.
UJ – Estimated data; The analyte was not detected above the reported Sample Detection Limit (SDL) however the SDL is approximate due to exceedance of one or more QC requirements.
J – Estimated data; The reported sample concentration is approximate due to exceedance of one or more QC requirements.
NJ – Tentatively identified, estimated data; The analysis indicates the presence of the analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R – Rejected data; Serious QC deficiencies make it impossible to verify the absence or presence of this analyte.
X7 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ does not offer accreditation for this analyte, in this matrix, analyzed by this method.

H – Bias in sample result is likely to be high
L – Bias in sample result is likely to be low

NOTE: For multiple deficiencies, the reviewer applied the most severe flag. (R>U>J>JL/JH and R>UJ>UJL)

TABLE 3
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID SAMPLING AND SOUTH 5TH STREET – MARCH 2013

MATRIX QC RESULTS

MS/MSD ID[(1)]	QC Batch	Parent Amount (mg/kg)		Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	SD %Diff	Data Qualification
Data Quality Criteria:					**70-130%**	**70-130%**	**70-130%**	**70-130%**	**30%**	
CADMIUM										
BC-16	102248	0.0274	U	28.1	74	71	72.5	NP	NP	None (no deficiencies)
M-16A3 (1-2)	103456	0.0279	U	28.3	110	108	109	NR	NR	None (no deficiencies)
D-21C	102248	0.0292	U	30.2	71	71	71	70	NC	None (no deficiencies)
JK-2	103031	0.0293	U	28	79	75	77	NP	NP	None (no deficiencies)
KL-1	103031	0.0293	U	30	81	81	81	80	NC	None (no deficiencies)
O-15 (1-2)	103236	0.0306	U	30.7	96	92	94	NR	NR	None (no deficiencies)
CD-19	102745	0.0312	U	30.7	**68**	**69**	**68.5**	NP	NP	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The QC batch includes a second MS/MSD (prepared using sample BC-17), which also has a non-detect for Cadmium and shows low recovery. Thus, the reviewer qualified the Cadmium results in the samples associated with this MS/MSD (i.e., similar samples prepared in the same batch) as estimated with a low bias (UJL for non-detects and JL for detects).
BC-17	102745	0.039	U	39.6	**69**	**64**	**66.5**	NP	NP	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The QC batch includes a second MS/MSD (prepared using sample CD-19), which also has a non-detect for Cadmium and shows low recovery. Thus, the reviewer qualified the Cadmium results in the samples associated with this MS/MSD (i.e., similar samples prepared in the same batch) as estimated with a low bias (UJL for non-detects and JL for detects).
EW-2	103145	0.044	Jb	28.9	91	91	91	NR	NR	None (no deficiencies)
O-15A6 (1-2)	103635	0.213	J	29.3	104	103	103.5	NR	NR	None (no deficiencies)
LM-1	103054	0.229	J	30.1	95	94	94.5	NP	NC	None (no deficiencies)

MS/MSD ID[(1)]	QC Batch	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	SD %Diff	Data Qualification
			Data Quality Criteria:	70-130%	70-130%	70-130%	70-130%	30%	
I-18A1	102768	0.252 J	30	68	66	67	66	NC	The average MS/MSD recovery and PDS recovery are below the limit, which indicates a potential low bias for sample results. Thus, the reviewer qualified the Cadmium results in the samples associated with this MS/MSD (i.e., similar samples prepared in the same batch) as estimated with a low bias (UJL for non-detects and JL for detects).
OP-6	103069	0.283	28.2	97	95	96	NR	NR	None (no deficiencies)
AB-6	102224	0.293	26.9	94	91	92.5	91	NC	None (no deficiencies)
AB-6	102224	0.293	26.9	94	91	92.5	91	NC	None (no deficiencies)
K-19C	102994	0.293	26.7	74	73	73.5	NP	NP	None (no deficiencies)
EW-7	103136	0.298 J	31.3	94	92	93	NR	NR	None (no deficiencies)
N-3C Dup	103069	0.299	27.9	100	101	100.5	NR	NR	None (no deficiencies)
N-6C	103054	0.332	30.5	94	95	94.5	NP	NP	None (no deficiencies)
PQ-10	103065	0.42	29.3	96	95	95.5	NR	NR	None (no deficiencies)
N-16A2	102784	0.528	25.9	97	98	97.5	NP	NP	None (no deficiencies)
NO-9	103065	0.544	29	92	94	93	NR	NR	None (no deficiencies)
LM-19	102994	0.548	32.8	71	74	72.5	73	NC	None (no deficiencies)
Q-14C	103004	0.624	28.4	86	87	86.5	NP	NP	None (no deficiencies)
O-14C	103004	0.714	28.6	87	85	86	84	NC	None (no deficiencies)
EF-6	102734	0.876	32.9	76	75	75.5	NP	NP	None (no deficiencies)
MN-9 DUP	103017	1.01	27.5	93	92	92.5	89	NC	None (no deficiencies)
LM-10	103017	1.36	28.4	79	100	89.5	NP	NP	None (no deficiencies)
O-15A16	102972	1.71	27.9	105	102	103.5	98	4	None (no deficiencies)
N-16A1	102784	2.05	27.4	87	92	89.5	96	3.1	None (no deficiencies)
N-16WA	103136	2.34	30.7	101	100	100.5	NR	NR	None (no deficiencies)
O-15A3	102972	3.47	31.5	99	103	101	NP	NP	None (no deficiencies)
					LEAD				
EW-7	103136	12.5	62.7	98	96	97	NR	NR	None (no deficiencies)
CD-19	102745	13.9	61.5	74	73	73.5	71	36	The SD %difference is outside the criteria with a lower undiluted result. The MS/MSD and PDS passes the criteria. Thus, the batch is validated and the reviewer qualified the Lead result in the parent sample only as estimated with a low bias (JL).
EW-2	103145	14.5 b	57.8	95	94	94.5	NR	NR	None (no deficiencies)
O-15 (1-2)	103236	17.6	61.4	95	92	93.5	NR	NR	None (no deficiencies)
LM-1	103054	26.4	60.3	104	101	102.5	NA	0.91	None (no deficiencies)

MS/MSD ID[(1)]	QC Batch	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	SD %Diff	Data Qualification
			Data Quality Criteria:	**70-130%**	**70-130%**	**70-130%**	**70-130%**	**30%**	
BC-16	102248	28	56.1	**67**	**68**	**67.5**	NA	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The QC batch includes a second MS/MSD (prepared using sample D-21C) which has a similar Lead concentration to BC-16 and passes the criteria. Thus, the batch is validated and the reviewer qualified the Lead result in the parent sample only as estimated with a low bias (JL).
D-21C	102248	28.3	60.3	72	72	72	**66**	**36**	The PDS recovery is below the criteria and the SD %difference is outside the criteria with a lower undiluted result. The MS/MSD passes the criteria. Thus, the batch is validated and the reviewer qualified the Lead result in the parent sample only as estimated with a low bias (JL).
N-3C Dup	103069	29.7	55.8	99	102	100.5	NR	NR	None (no deficiencies)
JK-2	103031	34	56.1	75	**67**	71	NA	NA	No qualifiers applied. The average MS/MSD recovery is within control.
O-15A6 (1-2)	103635	34.1	58.6	87	**199**	**143**	NR	NR	The average MS/MSD recovery is above the limit, which indicates a potential high bias for sample detects. The QC also indicates poor precision for the batch/media (see Laboratory Duplicate Precision section). Thus, the reviewer qualified the Lead detects in the samples associated with this MS/MSD (i.e., similar samples prepared in the same batch) as estimated with an unknown bias (J).
KL-1	103031	35.6	60	79	75	77	75	25	None (no deficiencies)
OP-6	103069	40.5	56.5	100	100	100	NR	NR	None (no deficiencies)
N-6C	103054	43.3	60.9	102	104	103	NA	NA	None (no deficiencies)
M-16A3 (1-2)	103456	46.4	56.5	**177**	88	**132.5**	NR	NR	The average MS/MSD recovery is above the limit, which indicates a potential high bias for sample detects. The QC also indicates poor precision for the batch/media (see Laboratory Duplicate Precision section). Thus, the reviewer qualified the Lead detects in the samples associated with this MS/MSD (i.e., similar samples prepared in the same batch) as estimated with an unknown bias (J).
PQ-10	103065	54	58.5	120	102	111	NR	NR	None (no deficiencies)
AB-6	102224	54.9	53.8	102	96	99	88	0.1	None (no deficiencies)
AB-6	102224	54.9	53.8	102	96	99	88	0.1	None (no deficiencies)
N-16A2	102784	64.7	51.7	101	**55**	78	NA	NA	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount and the average MS/MSD recovery is within control.
K-19C	102994	67.5	53.4	72	77	74.5	NA	NA	None (no deficiencies)

MS/MSD ID[(1)]	QC Batch	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	SD %Diff	Data Qualification
			Data Quality Criteria:	**70-130%**	**70-130%**	**70-130%**	**70-130%**	**30%**	
BC-17	102745	71.6	79.1	72	**58**	**65**	NA	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The QC batch includes a second MS/MSD (prepared using sample CD-19) which has a similar Lead concentration to BC-17 and passes the criteria. Thus, the batch is validated and the reviewer qualified the Lead result in the parent sample only as estimated with a low bias (JL).
NO-9	103065	74.7	58	103	104	103.5	NR	NR	None (no deficiencies)
LM-19	102994	86	65.7	81	100	90.5	72	**32**	The SDL %difference is outside the criteria with a lower undiluted result. The MS/MSD and PDS passes the criteria. Thus, the batch is validated and the reviewer qualified the Lead result in the parent sample only as estimated with a low bias (JL).
EF-6	102734	103	65.8	77	**69**	73	NA	NA	No qualifiers applied. The check is waived due to insufficient spike amount and the average MS/MSD recovery is within control.
Q-14C	103004	104	56.8	92	99	95.5	NA	NA	None (no deficiencies)
O-14C	103004	113	57.3	85	95	90	91	1.8	None (no deficiencies)
MN-9 DUP	103017	148	55	92	83	87.5	98	2.9	None (no deficiencies)
LM-10	103017	215	56.7	82	**152**	117	NA	NA	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount and the average MS/MSD recovery is within control.
I-18A1	102768	273	60	**28**	**30**	**29**	NA	25	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
N-16WA	103136	274	61.4	**262**	**378**	**320**	NR	NR	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
O-15A16	102972	280	55.8	**242**	**247**	**244.5**	88	0.08	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
N-16A1	102784	354	54.7	**177**	**214**	**195.5**	87	0.37	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
O-15A3	102972	520	63	**223**	**119**	**171**	NA	NA	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.

NC – Not calculated. The undiluted result is less than 50x SDL and thus the SD check is not applicable.

NP – Not performed. The batch contains multiple MS/MSD and the laboratory selected another MS/MSD for performance of the PDS and SD.

NR – Not reported. PDS/SD data not reported for this MS/MSD. The LRC indicates no deficiencies.

Notes:

1. MS/MSD are listed in order of increasing metals concentration in the unspiked parent sample.
2. Recoveries highlighted in red are below the 70-130% TRRP-recommended data quality criteria and recoveries highlighted in blue are above the criteria.
3. %Differences highlighted in blue are outside the 30% TRRP-recommended data quality criteria.
4. If the spike amount is less than the amount in the unspiked parent sample, the data are considered inconclusive and the MS/MSD recovery check is waived.
5. The reviewer considered soil samples from the site of the same media (Grid surface soil or South 5th street subsurface soil) and with the same order of magnitude of metals concentration to be similar.

TABLE 4
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID SAMPLING AND SOUTH 5TH STREET – MARCH 2013

FIELD DUPLICATE RESULTS

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
BC-16 Dup	BC-16	3/18/13	6010B	Cadmium	0.0278	U	mg/Kg	0.0274	U	mg/Kg	NA	0.0004	0.75	y
BC-16 Dup	BC-16	3/18/13	6010B	Lead	25.5		mg/Kg	28		mg/Kg	9.3	NA	1.5	y
D-21C Dup	D-21C	3/18/13	6010B	Cadmium	0.029	U	mg/Kg	0.0292	U	mg/Kg	NA	0.0002	0.75	y
D-21C Dup	D-21C	3/18/13	6010B	Lead	29		mg/Kg	28.3		mg/Kg	2.4	NA	1.5	y
DE-19 Dup	DE-19	3/18/13	6010B	Cadmium	0.366		mg/Kg	0.258	J	mg/Kg	NA	0.108	0.75	y
DE-19 Dup	DE-19	3/18/13	6010B	Lead	60.1		mg/Kg	49.7		mg/Kg	19	NA	1.5	y
EF-17 Dup	EF-17	3/18/13	6010B	Cadmium	0.408		mg/Kg	0.346		mg/Kg	NA	0.062	0.75	y
EF-17 Dup	EF-17	3/18/13	6010B	Lead	85.2		mg/Kg	78.5		mg/Kg	8.2	NA	1.5	y
FG-19 Dup	FG-19	3/18/13	6010B	Cadmium	0.111	J	mg/Kg	0.124	J	mg/Kg	NA	0.013	0.75	y
FG-19 Dup	FG-19	3/18/13	6010B	Lead	30.6		mg/Kg	25.5		mg/Kg	18	NA	1.5	y
HI-3 Dup	HI-3	3/20/13	6010B	Cadmium	1.4		mg/Kg	1.43		mg/Kg	2.1	NA	0.75	y
HI-3 Dup	HI-3	3/20/13	6010B	Lead	191		mg/Kg	199		mg/Kg	4.1	NA	1.5	y
I-18A1 Dup	I-18A1	3/19/13	6010B	Cadmium	0.556		mg/Kg	0.252	J	mg/Kg	NA	0.304	0.75	y
I-18A1 Dup	I-18A1	3/19/13	6010B	Lead	259		mg/Kg	273		mg/Kg	5.3	NA	1.5	y
I-18A2 DUP	I-18A2	3/19/13	6010B	Cadmium	0.21	J	mg/Kg	0.209	J	mg/Kg	NA	0.001	0.75	y
I-18A2 DUP	I-18A2	3/19/13	6010B	Lead	128		mg/Kg	148		mg/Kg	14	NA	1.5	y
IJ-5 Dup	IJ-5	3/20/13	6010B	Cadmium	0.859		mg/Kg	0.899		mg/Kg	NA	0.04	0.75	y
IJ-5 Dup	IJ-5	3/20/13	6010B	Lead	73.2		mg/Kg	79.4		mg/Kg	8.1	NA	1.5	y
JK-2 DUP	JK-2	3/20/13	6010B	Cadmium	0.0285	U ^	mg/Kg	0.0293	U	mg/Kg	NA	0.0008	0.75	y
JK-2 DUP	JK-2	3/20/13	6010B	Lead	35.3		mg/Kg	34		mg/Kg	3.8	NA	1.5	y
K-5C Dup	K-5C	3/20/13	6010B	Cadmium	0.374		mg/Kg	0.0303	U ^	mg/Kg	NA	0.3437	0.75	y
K-5C Dup	K-5C	3/20/13	6010B	Lead	56.7		mg/Kg	46.8		mg/Kg	19	NA	1.5	y
L-20C DUP	L-20C	3/19/13	6010B	Cadmium	0.168	J	mg/Kg	0.187	J	mg/Kg	NA	0.019	0.75	y
L-20C DUP	L-20C	3/19/13	6010B	Lead	7.63		mg/Kg	7.72		mg/Kg	1.2	NA	1.5	y
M-16A1 Dup	M-16A1	3/22/13	6010B	Cadmium	21		mg/Kg	20.6		mg/Kg	1.9	NA	0.75	y
M-16A1 Dup	M-16A1	3/22/13	6010B	Lead	5190		mg/Kg	5000		mg/Kg	3.7	NA	1.5	y
M-6C DUP	M-6C	3/20/13	6010B	Cadmium	0.0278	U	mg/Kg	0.0282	U	mg/Kg	NA	0.0004	0.75	y
M-6C DUP	M-6C	3/20/13	6010B	Lead	18.6		mg/Kg	18.4		mg/Kg	1.1	NA	1.5	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
MN-8 Dup	MN-8	3/20/13	6010B	Cadmium	0.518		mg/Kg	0.609		mg/Kg	NA	0.091	0.75	y
MN-8 Dup	MN-8	3/20/13	6010B	Lead	74.1		mg/Kg	71.3		mg/Kg	3.9	NA	1.5	y
MN-9 DUP	MN-9	3/19/13	6010B	Cadmium	1.01		mg/Kg	1		mg/Kg	NA	0.01	0.75	y
MN-9 DUP	MN-9	3/19/13	6010B	Lead	148		mg/Kg	143		mg/Kg	3.4	NA	1.5	y
N-16A1 DUP	N-16A1	3/19/13	6010B	Cadmium	2.49		mg/Kg	2.05		mg/Kg	19	NA	0.75	y
N-16A1 DUP	N-16A1	3/19/13	6010B	Lead	345		mg/Kg	354		mg/Kg	2.6	NA	1.5	y
N-3C Dup	N-3C	3/20/13	6010B	Cadmium	0.299		mg/Kg	0.227	J	mg/Kg	NA	0.072	0.75	y
N-3C Dup	N-3C	3/20/13	6010B	Lead	29.7		mg/Kg	23.4		mg/Kg	24	NA	1.5	y
NO-17 DUP	NO-17	3/19/13	6010B	Cadmium	0.472		mg/Kg	0.447		mg/Kg	NA	0.025	0.75	y
NO-17 DUP	NO-17	3/19/13	6010B	Lead	68.6		mg/Kg	67.6		mg/Kg	1.5	NA	1.5	y
NO-5 Dup	NO-5	3/20/13	6010B	Cadmium	0.452		mg/Kg	0.39		mg/Kg	NA	0.062	0.75	y
NO-5 Dup	NO-5	3/20/13	6010B	Lead	53.4		mg/Kg	48.4		mg/Kg	9.8	NA	1.5	y
NO-6 Dup	NO-6	3/20/13	6010B	Cadmium	0.242	J	mg/Kg	0.237	J	mg/Kg	NA	0.005	0.75	y
NO-6 Dup	NO-6	3/20/13	6010B	Lead	33		mg/Kg	34.3		mg/Kg	3.9	NA	1.5	y
O-15A12 Dup	O-15A12	3/22/13	6010B	Cadmium	3.43	b	mg/Kg	2.55	b	mg/Kg	29	NA	0.75	y
O-15A12 Dup	O-15A12	3/22/13	6010B	Lead	501	b	mg/Kg	368	b	mg/Kg	31	NA	1.5	y
O-15A16 DUP	O-15A16	3/19/13	6010B	Cadmium	2.2		mg/Kg	1.71		mg/Kg	25	NA	0.75	y
O-15A16 DUP	O-15A16	3/19/13	6010B	Lead	358		mg/Kg	280		mg/Kg	24	NA	1.5	y
O-15A8 DUP	O-15A8	3/19/13	6010B	Cadmium	0.686		mg/Kg	0.666		mg/Kg	NA	0.02	0.75	y
O-15A8 DUP	O-15A8	3/19/13	6010B	Lead	108		mg/Kg	106		mg/Kg	1.9	NA	1.5	y
P-13C DUP	P-13C	3/19/13	6010B	Cadmium	0.888		mg/Kg	0.81		mg/Kg	NA	0.078	0.75	y
P-13C DUP	P-13C	3/19/13	6010B	Lead	149		mg/Kg	136		mg/Kg	9.1	NA	1.5	y

Note: The RPD test (≤50%) applies if both results are greater than 5x MQL. Otherwise, the absolute difference test (≤ 3x MQL) applies.

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

Texas Commission on Environmental Quality

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Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

ATTACHMENT 2

ADDITIONAL LABORATORY QC INFORMATION
(PDS and SD)

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Method Blank - Batch: 600-102224

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102224/1-A	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/22/2013 0835	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102224

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/22/2013 0837	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	100.0	97.1	83.6 - 115.5	
Lead	76.9	75.67	98.4	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102224

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-1	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/22/2013 0918	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.293	26.6	24.44	91	75 - 125	
Lead	54.9	53.3	101.6	88	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102224

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-1	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	03/22/2013 0847			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-1	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/22/2013 0849			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	94	91	75 - 125	5	20		
Lead	102	96	75 - 125	4	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102224

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-1	Units:	mg/Kg	MSD Lab Sample ID:	600-70262-1
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/22/2013 0847			Analysis Date:	03/22/2013 0849
Prep Date:	03/21/2013 1427			Prep Date:	03/21/2013 1427
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.293	26.9	26.6	25.68	24.52
Lead	54.9	53.8	53.3	109.7	105.8

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102224

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-1	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	03/22/2013 0844	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.293	0.3149	7	20	
Lead	54.9	58.37	6	20	

Serial Dilution - Batch: 600-102224

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-1	Analysis Batch:	600-102297	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102224	Lab File ID:	032213.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/22/2013 0921	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1427				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	0.293	0.3729	NC	10	J
Lead	54.9	54.92	0.1	10	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Method Blank - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102248/1-A	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 0943	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/29/2013 0947	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	96.04	93.2	83.6 - 115.5	
Lead	76.9	72.57	94.4	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-20	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	03/29/2013 1146	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.0292	U	28.5	20.01	70	75 - 125	W
Lead	28.3		57.0	66.21	66	75 - 125	W

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102248

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-20	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1045			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-20	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	03/29/2013 1049			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	71	71	75 - 125	2	20	N	N
Lead	72	72	75 - 125	1	20	N	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102248

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-27	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1131			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-27	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 1135			Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	74	71	75 - 125	2	20	N	N
Lead	67	68	75 - 125	3	20	N	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102248

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-20	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1045		
Prep Date:	03/21/2013 1557		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-20
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1049
Prep Date:	03/21/2013 1557
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.0292	U	30.2	29.6	21.31	N	20.98	N
Lead	28.3		60.3	59.2	71.56	N	70.87	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102248

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-27	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1131		
Prep Date:	03/21/2013 1557		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-27
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1135
Prep Date:	03/21/2013 1557
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.0274	U	27.2	28.1	20.25	N	19.78	N
Lead	28.0		54.5	56.1	64.62	N	66.40	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-20	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1041	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0292	U	0.0309	NC	20	U
Lead	28.3		29.16	3	20	

Duplicate - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-27	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	03/29/2013 1127	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0274	U	0.0264	NC	20	U
Lead	28.0		21.58	26	20	F

Serial Dilution - Batch: 600-102248

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-20	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102248	Lab File ID:	T032913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	03/29/2013 1150	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/21/2013 1557				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.0292	U	0.146	NC	10	U
Lead	28.3		38.39	36	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Method Blank - Batch: 600-102734

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102734/1-A	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 0723	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102734

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/29/2013 0727	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	92.93	90.2	83.6 - 115.5	
Lead	76.9	70.59	91.8	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102734

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70545-B-1-D PDS	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 0926	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.0256	U	25.0	22.23	89	75 - 125	
Lead	8.80		50.0	52.38	87	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102734

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-41	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	03/29/2013 0918			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-41	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	03/29/2013 0922			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	76	75	75 - 125	3	20		
Lead	77	69	75 - 125	4	20		N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102734

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-41	Units:	mg/Kg	MSD Lab Sample ID:	600-70262-41
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/29/2013 0918			Analysis Date:	03/29/2013 0922
Prep Date:	03/28/2013 0910			Prep Date:	03/28/2013 0910
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Cadmium	0.876	32.9	32.0	25.75	24.97	
Lead	103	65.8	64.0	153.6	147.1	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102734

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-41	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/29/2013 0914	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.876	0.8715	0.5	20	
Lead	103	111.1	8	20	

Serial Dilution - Batch: 600-102734

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70545-B-1-D SD ^5	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102734	Lab File ID:	T032913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 0930	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 0910				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.0256	U	0.128	NC	10	U
Lead	8.80		9.710	10	10	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Method Blank - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102745/1-A	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 1204	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

Method Blank - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102745/1-A	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 1539	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

LCS-Certified Reference Material - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/29/2013 1208	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	98.32	95.5	83.6 - 115.5	
Lead	76.9	70.91	92.2	81.3 - 118.7	

LCS-Certified Reference Material - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/29/2013 1543	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	91.95	89.3	83.6 - 115.5	

Post Digestion Spike - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-52	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/29/2013 1407	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Lead	13.9	60.9	57.38	71	75 - 125	W

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-52	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	03/29/2013 1306			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-52	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	03/29/2013 1309			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	74	73	75 - 125	0	20	N	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-56	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/29/2013 1340			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-56	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	03/29/2013 1344			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	72	58	75 - 125	12	20	N	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-52	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	03/29/2013 1603			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-52	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	03/29/2013 1606			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	68	69	75 - 125	3	20	N	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-56	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/29/2013 1637			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-56	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.08 g
Analysis Date:	03/29/2013 1641			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	69	64	75 - 125	13	20	N	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-52	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1306		
Prep Date:	03/28/2013 1019		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-52
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1309
Prep Date:	03/28/2013 1019
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Lead	13.9	60.3	61.5	58.52	N	58.64	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-56	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1340		
Prep Date:	03/28/2013 1019		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-56
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1344
Prep Date:	03/28/2013 1019
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Lead	71.6	79.1	74.0	128.3	N	114.3	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-52	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1603		
Prep Date:	03/28/2013 1019		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-52
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1606
Prep Date:	03/28/2013 1019
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.0312	U	30.2	30.7	20.65	N	21.25	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102745

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-56	Units:	mg/Kg	MSD Lab Sample ID:	600-70262-56
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	03/29/2013 1637			Analysis Date:	03/29/2013 1641
Prep Date:	03/28/2013 1019			Prep Date:	03/28/2013 1019
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.0390	U	39.6	37.0	27.18	N	23.80	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-52	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/29/2013 1302	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Lead	13.9	14.64	5	20	

Duplicate - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-56	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	03/29/2013 1336	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Lead	71.6	72.06	0.6	20	

Serial Dilution - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-52	Analysis Batch:	600-102816	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	T032913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	03/29/2013 1411	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Lead	13.9	18.97	36	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-52	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/29/2013 1559	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0312	U	0.0328	NC	20	U

Duplicate - Batch: 600-102745

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-56	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102745	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	03/29/2013 1633	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1019				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0390	U	0.0402	NC	20	U

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Method Blank - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102768/1-A	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/29/2013 1708	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250

Method Blank - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102768/1-A	Analysis Batch:	600-102920	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	033013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	03/30/2013 1156	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Lead	0.105	U	0.105	0.500

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

LCS-Certified Reference Material - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/29/2013 1712	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	91.39	88.7	83.6 - 115.5	

LCS-Certified Reference Material - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102920	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	033013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	03/30/2013 1159	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Lead	76.9	75.33	98.0	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-69	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1911	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.252	J	29.3	19.58	66	75 - 125	W

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102768

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-69	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/29/2013 1743			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-69	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	03/29/2013 1754			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	68	66	75 - 125	10	20	N	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102768

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-69	Analysis Batch:	600-102920	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	033013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	03/30/2013 1226			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70262-69	Analysis Batch:	600-102920	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	033013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	03/30/2013 1229			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Lead	28	30	75 - 125	0	20	4	4

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102768

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-69	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/29/2013 1743		
Prep Date:	03/28/2013 1413		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-69
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/29/2013 1754
Prep Date:	03/28/2013 1413
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.252	J	30.0	27.7	20.60	N	18.62	N

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102768

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70262-69	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	03/30/2013 1226		
Prep Date:	03/28/2013 1413		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70262-69
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	03/30/2013 1229
Prep Date:	03/28/2013 1413
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Lead	273	60.0	55.4	290.2	4	290.0	4

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Duplicate - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-69	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1739	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.252	J	0.2717	8	20	J

Serial Dilution - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-69	Analysis Batch:	600-102890	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	A032913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/29/2013 1915	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.252	J	0.2670	NC	10	J

Duplicate - Batch: 600-102768

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70262-69	Analysis Batch:	600-102920	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102768	Lab File ID:	033013.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	03/30/2013 1223	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1413				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Lead	273	242.4	12	20	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102784/1-A	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/01/2013 1500	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/01/2013 1502	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	97.90	95.0	83.6 - 115.5	
Lead	76.9	83.02	108.0	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-10	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/01/2013 1519	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	2.05	26.1	26.97	96	75 - 125	
Lead	354	52.1	399.3	87	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102784

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-10	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/01/2013 1514			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-10	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/01/2013 1516			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	87	92	75 - 125	2	20		
Lead	177	214	75 - 125	3	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102784

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-12	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/01/2013 1608			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-12	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/01/2013 1611			Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	97	98	75 - 125	3	20		
Lead	101	55	75 - 125	22	20		N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102784

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-10	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/01/2013 1514		
Prep Date:	03/28/2013 1633		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-10
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/01/2013 1516
Prep Date:	03/28/2013 1633
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	2.05	27.4	26.3	25.83		26.34	
Lead	354	54.7	52.6	450.8	4	466.6	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102784

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-12	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/01/2013 1608		
Prep Date:	03/28/2013 1633		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-12
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/01/2013 1611
Prep Date:	03/28/2013 1633
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Cadmium	0.528	25.4	25.9	25.20	25.96	
Lead	64.7	50.7	51.7	116.1	93.40	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-10	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/01/2013 1511	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	2.05	2.033	0.8	20	
Lead	354	371.8	5	20	

Serial Dilution - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-10	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/01/2013 1521	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	2.05	2.111	3.1	10	
Lead	354	352.6	0.37	10	

Duplicate - Batch: 600-102784

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-12	Analysis Batch:	600-102936	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102784	Lab File ID:	040113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/01/2013 1606	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	03/28/2013 1633				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.528	0.3997	28	20	
Lead	64.7	66.76	3	20	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102972/1-A	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1052	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1054	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	95.43	92.7	83.6 - 115.5	
Lead	76.9	68.12	88.6	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-21	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1216	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.71	28.7	29.77	98	75 - 125	
Lead	280	57.4	330.5	88	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102972

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-21	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2013 1106			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-21	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1109			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	105	102	75 - 125	2	20		
Lead	242	247	75 - 125	1	20	4	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102972

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-25	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1131			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-25	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1133			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	99	103	75 - 125	1	20		
Lead	223	119	75 - 125	11	20	4	4

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102972

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-21	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1106		
Prep Date:	04/01/2013 1401		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-21
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1109
Prep Date:	04/01/2013 1401
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	1.71	27.6	27.9	30.76		30.28	
Lead	280	55.3	55.8	414.1	4	418.1	4

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102972

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-25	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1131		
Prep Date:	04/01/2013 1401		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-25
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1133
Prep Date:	04/01/2013 1401
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	3.47	31.5	30.6	34.65		35.02	
Lead	520	63.0	61.2	660.2	4	592.8	4

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-21	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1104	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	1.71	1.606	6	20	
Lead	280	263.5	6	20	

Duplicate - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-25	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1128	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	3.47	2.805	21	20	F
Lead	520	446.2	15	20	

Serial Dilution - Batch: 600-102972

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-21	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-102972	Lab File ID:	A040213.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1219	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1401				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	1.71	1.780	4.0	10	
Lead	280	280.3	0.08	10	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-102994/1-A	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1200	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1204	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	92.59	89.9	83.6 - 115.5	
Lead	76.9	67.84	88.2	81.3 - 118.7	

Post Digestion Spike - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-40	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1403	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.548	31.6	23.69	73	75 - 125	W
Lead	86.0	63.2	131.7	72	75 - 125	W

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102994

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-40	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1219			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-40	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2013 1223			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	71	74	75 - 125	7	20	N	N
Lead	81	100	75 - 125	10	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102994

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-43	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1250			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-43	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1254			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	74	73	75 - 125	0	20	N	N
Lead	72	77	75 - 125	3	20	N	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102994

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-40	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1219		
Prep Date:	04/01/2013 1521		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-40
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1223
Prep Date:	04/01/2013 1521
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.548	31.6	32.8	23.04	N	24.76	N
Lead	86.0	63.2	65.7	137.3		151.5	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-102994

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-43	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1250		
Prep Date:	04/01/2013 1521		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-43
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1254
Prep Date:	04/01/2013 1521
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.293	26.7	26.7	19.96	N	19.91	N
Lead	67.5	53.4	53.4	106.0	N	108.8	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-40	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1215	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.548	0.6413	16	20	
Lead	86.0	114.6	28	20	F

Duplicate - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-43	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1246	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.293	0.2546	14	20	J
Lead	67.5	57.84	15	20	

Serial Dilution - Batch: 600-102994

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-40	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-102994	Lab File ID:	T040213
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1407	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1521				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	0.548	0.4897	NC	10	J
Lead	86.0	113.2	32	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-103004/1-A	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1228	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1231	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	99.18	96.3	83.6 - 115.5	
Lead	76.9	72.89	94.8	81.3 - 118.7	

Post Digestion Spike - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-65	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/02/2013 1353	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.714	27.1	23.47	84	75 - 125	
Lead	113	54.1	162.6	91	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103004

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-65	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1301			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-65	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1303			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	87	85	75 - 125	4	20		
Lead	85	95	75 - 125	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103004

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-70	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1321			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-70	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1323			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	86	87	75 - 125	2	20		
Lead	92	99	75 - 125	2	20		

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103004

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-65	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1301		
Prep Date:	04/01/2013 1612		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-65
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1303
Prep Date:	04/01/2013 1612
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.714	28.6	27.8	25.59	24.49
Lead	113	57.3	55.6	161.7	165.9

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103004

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-70	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1321		
Prep Date:	04/01/2013 1612		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-70
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1323
Prep Date:	04/01/2013 1612
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.624	28.4	28.4	24.93	25.48
Lead	104	56.8	56.8	156.6	160.5

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-65	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1252	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.714	0.7303	2	20	
Lead	113	111.8	1	20	

Duplicate - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-70	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2013 1318	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	0.624	0.6301	1	20	
Lead	104	104.6	0.5	20	

Serial Dilution - Batch: 600-103004

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-65	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103004	Lab File ID:	A040213.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/02/2013 1355	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1612				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	0.714	0.8387	NC	10	J
Lead	113	115.0	1.8	10	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-103017/1-A	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1423	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1426	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	103.1	100.1	83.6 - 115.5	
Lead	76.9	78.10	101.6	81.3 - 118.7	

Post Digestion Spike - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-84	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2013 1546	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	1.01	27.3	25.28	89	75 - 125	
Lead	148	54.5	201.0	98	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103017

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-84	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/02/2013 1457			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-84	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1459			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	93	92	75 - 125	2	20		
Lead	92	83	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103017

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-87	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2013 1512			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-87	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1514			Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	79	100	75 - 125	22	20		N
Lead	82	152	75 - 125	14	20		N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103017

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-84	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1457		
Prep Date:	04/01/2013 1737		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-84
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1459
Prep Date:	04/01/2013 1737
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	1.01	27.0	27.5	25.99	26.38
Lead	148	54.0	55.0	197.6	193.1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103017

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-87	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1512		
Prep Date:	04/01/2013 1737		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-87
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1514
Prep Date:	04/01/2013 1737
Leach Date:	N/A

Analyte	Sample Result/Qual	MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual	
Cadmium	1.36	28.4	28.1	23.65	29.41	N
Lead	215	56.7	56.2	261.9	300.7	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-84	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2013 1455	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	1.01	1.038	2	20	
Lead	148	141.1	5	20	

Duplicate - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-87	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2013 1509	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cadmium	1.36	1.383	2	20	
Lead	215	215.9	0.3	20	

Serial Dilution - Batch: 600-103017

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-84	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103017	Lab File ID:	A040213.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/02/2013 1549	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/01/2013 1737				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Cadmium	1.01	1.118	NC	10	J
Lead	148	151.9	2.9	10	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-103031/1-A	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1421	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1425	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	99.08	96.2	83.6 - 115.5	
Lead	76.9	70.59	91.8	81.3 - 118.7	

Post Digestion Spike - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-108	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1624	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	0.0293	U	28.6	22.92	80	75 - 125	^
Lead	35.6		57.2	78.52	75	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103031

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-108	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1518			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-108	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/02/2013 1522			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	81	81	75 - 125	0	20		
Lead	79	75	75 - 125	3	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103031

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-112	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1553			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-112	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1557			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	79	75	75 - 125	9	20	^	^
Lead	75	67	75 - 125	8	20		N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103031

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-108	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1518		
Prep Date:	04/02/2013 0819		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-108
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1522
Prep Date:	04/02/2013 0819
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.0293	U	29.7	30.0	24.16	24.18
Lead	35.6		59.4	60.0	82.60	80.42

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103031

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-112	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1553		
Prep Date:	04/02/2013 0819		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-112
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1557
Prep Date:	04/02/2013 0819
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.0293	U	28.0	27.0	22.24	^	20.31	^
Lead	34.0		56.1	54.0	76.21		70.36	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Duplicate - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-108	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/02/2013 1515	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0293	U	0.0302	NC	20	U
Lead	35.6		33.29	7	20	

Duplicate - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-112	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/02/2013 1542	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.0293	U	0.0274	NC	20	U
Lead	34.0		32.51	4	20	

Serial Dilution - Batch: 600-103031

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-108	Analysis Batch:	600-103040	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-103031	Lab File ID:	T040213
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1628	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 0819				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.0293	U	0.147	NC	10	U ^
Lead	35.6		44.62	25	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Method Blank - Batch: 600-103054

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-103054/1-A	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1716	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Lead	0.105	U	0.105	0.500

LCS-Certified Reference Material - Batch: 600-103054

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/02/2013 1719	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cadmium	103	95.90	93.1	83.6 - 115.5	
Lead	76.9	74.89	97.4	81.3 - 118.7	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103054

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-124	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/02/2013 1757			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

MSD Lab Sample ID:	600-70373-124	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1807			Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	95	94	75 - 125	1	20		
Lead	104	101	75 - 125	1	20		

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-103054

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-70373-124	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/02/2013 1757		
Prep Date:	04/02/2013 1214		
Leach Date:	N/A		

MSD Lab Sample ID:	600-70373-124
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/02/2013 1807
Prep Date:	04/02/2013 1214
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.229	J	29.6	30.1	28.38	28.55
Lead	26.4		59.1	60.3	88.01	87.48

Duplicate - Batch: 600-103054

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-124	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/02/2013 1755	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cadmium	0.229	J	0.2218	3	20	J
Lead	26.4		26.13	0.9	20	

Serial Dilution - Batch: 600-103054

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-70373-124	Analysis Batch:	600-103038	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-103054	Lab File ID:	A040213.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/02/2013 1914	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/02/2013 1214				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cadmium	0.229	J	0.2713	NC	10	J
Lead	26.4		26.62	0.91	10	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70262-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 2

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 11:45:22 AM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70262-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/08/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/03/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262
Reviewer Name: TWR	Prep Batch Numbers:600-102151(w); 102224, 102248, 102734, 102745, 102768(s)-ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/03/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262
Reviewer Name: TWR	Prep Batch Numbers:600-102151(w); 102224, 102248, 102734, 102745, 102768(s)-ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			3
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			4
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/03/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262
Reviewer Name: TWR	Prep Batch Numbers:600-102151(w); 102224, 102248, 102734, 102745, 102768(s)-ICP

ER #[1]	DESCRIPTION
1	The cadmium and lead recoveries in samples 70262-20 MS and MSD, 70262-27 MS and MSD, 70262-52 MS and MSD, 70262-56 MS and MSD, 70262-69 MS and MSD as well as the lead recovery in sample 70262-41 MSD were below acceptance limits due to matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
2	The lead RPD between samples 70262-27 and 70262-27 MD was above acceptance limits due to the non-homogenous nature of the samples.
3	The continuing calibration verification (CCV) for cadmium associated with batch 102816 recovered above the upper control limit. The sample associated with this CCV was non-detect for the affected analyte; therefore, the data have been reported. All other samples were re-analyzed in a different batch.
4	The cadmium and lead recoveries in sample 70262-20 PDS, the lead recovery in sample 70262-52 PDS, and the cadmium recovery in sample 70262-69 PDS were below acceptance limits due to matrix interference. The lead percent differences between samples 70262-20 and 70262-20 SD, 70262-52 and 70262-52 SD as well as 70262-69 and 70262-69 SD were above acceptance limits due to matrix interference.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-70262-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70262-1

Comments
The report was revised on 04/18/13 to update the sample IDs and again on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/20/2013 9:11 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 17.1° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70262-1	AB-6	Solid	03/18/13 09:00	03/20/13 09:11
600-70262-2	AB-7	Solid	03/18/13 09:10	03/20/13 09:11
600-70262-3	BC-8	Solid	03/18/13 09:15	03/20/13 09:11
600-70262-4	BC-7	Solid	03/18/13 09:20	03/20/13 09:11
600-70262-5	BC-6	Solid	03/18/13 09:45	03/20/13 09:11
600-70262-6	BC-5	Solid	03/18/13 09:50	03/20/13 09:11
600-70262-7	DE-5	Solid	03/18/13 09:55	03/20/13 09:11
600-70262-8	DE-6	Solid	03/18/13 10:05	03/20/13 09:11
600-70262-9	DE-7	Solid	03/18/13 10:08	03/20/13 09:11
600-70262-10	EF-17	Solid	03/18/13 11:05	03/20/13 09:11
600-70262-11	EF-17 Dup	Solid	03/18/13 11:05	03/20/13 09:11
600-70262-12	F-18C	Solid	03/18/13 11:10	03/20/13 09:11
600-70262-13	F-19C	Solid	03/18/13 11:15	03/20/13 09:11
600-70262-14	F-20C	Solid	03/18/13 11:20	03/20/13 09:11
600-70262-15	F-21C	Solid	03/18/13 11:30	03/20/13 09:11
600-70262-16	EF-21	Solid	03/18/13 11:35	03/20/13 09:11
600-70262-17	E-21C	Solid	03/18/13 11:45	03/20/13 09:11
600-70262-18	DE-22	Solid	03/18/13 11:50	03/20/13 09:11
600-70262-19	DE-21	Solid	03/18/13 11:55	03/20/13 09:11
600-70262-20	D-21C	Solid	03/18/13 13:45	03/20/13 09:11
600-70262-21	D-21C Dup	Solid	03/18/13 13:45	03/20/13 09:11
600-70262-22	D-22C	Solid	03/18/13 13:50	03/20/13 09:11
600-70262-23	CD-21	Solid	03/18/13 13:55	03/20/13 09:11
600-70262-24	C-21C	Solid	03/18/13 14:05	03/20/13 09:11
600-70262-25	C-22C	Solid	03/18/13 14:10	03/20/13 09:11
600-70262-26	CD-17	Solid	03/18/13 15:55	03/20/13 09:11
600-70262-27	BC-16	Solid	03/18/13 16:10	03/20/13 09:11
600-70262-28	BC-16 Dup	Solid	03/18/13 16:10	03/20/13 09:11
600-70262-29	C-19	Solid	03/18/13 16:30	03/20/13 09:11
600-70262-30	G-20C	Solid	03/18/13 17:10	03/20/13 09:11
600-70262-31	G-19C	Solid	03/18/13 17:15	03/20/13 09:11
600-70262-32	G-18C	Solid	03/18/13 17:20	03/20/13 09:11
600-70262-33	GH-19	Solid	03/18/13 17:30	03/20/13 09:11
600-70262-34	H-19C	Solid	03/18/13 17:40	03/20/13 09:11
600-70262-35	HI-20	Solid	03/18/13 17:50	03/20/13 09:11
600-70262-36	I-20C	Solid	03/18/13 17:55	03/20/13 09:11
600-70262-37	CD-5	Solid	03/18/13 09:40	03/20/13 09:11
600-70262-38	CD-6	Solid	03/18/13 09:45	03/20/13 09:11
600-70262-39	CD-7	Solid	03/18/13 09:55	03/20/13 09:11
600-70262-40	EF-7	Solid	03/18/13 10:05	03/20/13 09:11
600-70262-41	EF-6	Solid	03/18/13 10:10	03/20/13 09:11
600-70262-42	E-18C	Solid	03/18/13 11:00	03/20/13 09:11
600-70262-43	EF-19	Solid	03/18/13 11:10	03/20/13 09:11
600-70262-44	E-20C	Solid	03/18/13 11:20	03/20/13 09:11
600-70262-45	DE-20	Solid	03/18/13 11:30	03/20/13 09:11
600-70262-46	DE-19	Solid	03/18/13 11:40	03/20/13 09:11
600-70262-47	DE-19 Dup	Solid	03/18/13 11:40	03/20/13 09:11
600-70262-48	DE-17	Solid	03/18/13 13:45	03/20/13 09:11
600-70262-49	DE-18	Solid	03/18/13 13:55	03/20/13 09:11
600-70262-50	D-19C	Solid	03/18/13 14:10	03/20/13 09:11
600-70262-51	D-20C	Solid	03/18/13 14:20	03/20/13 09:11
600-70262-52	CD-19	Solid	03/18/13 15:25	03/20/13 09:11
600-70262-53	D-18C	Solid	03/18/13 15:40	03/20/13 09:11

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70262-54	CD-16	Solid	03/18/13 15:55	03/20/13 09:11
600-70262-55	C-18C	Solid	03/18/13 16:35	03/20/13 09:11
600-70262-56	BC-17	Solid	03/18/13 16:15	03/20/13 09:11
600-70262-57	FG-18	Solid	03/18/13 17:05	03/20/13 09:11
600-70262-58	FG-19	Solid	03/18/13 17:15	03/20/13 09:11
600-70262-59	FG-20	Solid	03/18/13 17:20	03/20/13 09:11
600-70262-60	H-20C	Solid	03/18/13 17:30	03/20/13 09:11
600-70262-61	HI-19	Solid	03/18/13 17:35	03/20/13 09:11
600-70262-62	EQ1	Water	03/18/13 18:00	03/20/13 09:11
600-70262-63	EQ2	Water	03/18/13 18:05	03/20/13 09:11
600-70262-64	FG-19 Dup	Solid	03/18/13 17:15	03/20/13 09:11
600-70262-65	JK-20	Solid	03/19/13 08:45	03/20/13 09:11
600-70262-66	J-20C	Solid	03/19/13 08:50	03/20/13 09:11
600-70262-67	I-18A3	Solid	03/19/13 08:55	03/20/13 09:11
600-70262-68	I-19C	Solid	03/19/13 09:10	03/20/13 09:11
600-70262-69	I-18A1	Solid	03/19/13 09:15	03/20/13 09:11
600-70262-70	I-18A1 Dup	Solid	03/19/13 09:15	03/20/13 09:11
600-70262-71	I-18A4	Solid	03/19/13 09:20	03/20/13 09:11

Client Sample ID: AB-6
Lab Sample ID: 600-70262-1
Date Collected: 03/18/13 09:00
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.293		0.266	0.0273	mg/Kg	☼	03/21/13 14:27	03/22/13 08:41	1
Lead	54.9		0.533	0.112	mg/Kg	☼	03/21/13 14:27	03/22/13 08:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	89		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: AB-7
Lab Sample ID: 600-70262-2
Date Collected: 03/18/13 09:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.197	J	0.290	0.0298	mg/Kg	☼	03/21/13 14:27	03/22/13 08:52	1
Lead	44.0		0.581	0.122	mg/Kg	☼	03/21/13 14:27	03/22/13 08:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	86		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-8
Lab Sample ID: 600-70262-3
Date Collected: 03/18/13 09:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.49		0.280	0.0287	mg/Kg	☼	03/21/13 14:27	03/22/13 08:54	1
Lead	281		0.559	0.117	mg/Kg	☼	03/21/13 14:27	03/22/13 08:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	83		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-7
Lab Sample ID: 600-70262-4
Date Collected: 03/18/13 09:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.35		0.292	0.0299	mg/Kg	☼	03/21/13 14:27	03/22/13 08:56	1
Lead	234		0.584	0.122	mg/Kg	☼	03/21/13 14:27	03/22/13 08:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	82		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-6
Lab Sample ID: 600-70262-5
Date Collected: 03/18/13 09:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 79.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.06		0.291	0.0298	mg/Kg	☼	03/21/13 14:27	03/22/13 09:06	1
Lead	161		0.581	0.122	mg/Kg	☼	03/21/13 14:27	03/22/13 09:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	80		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-5
Lab Sample ID: 600-70262-6
Date Collected: 03/18/13 09:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.690		0.314	0.0322	mg/Kg	☼	03/21/13 14:27	03/22/13 09:08	1
Lead	68.0		0.627	0.132	mg/Kg	☼	03/21/13 14:27	03/22/13 09:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	79		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-5
Lab Sample ID: 600-70262-7
Date Collected: 03/18/13 09:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.08		0.296	0.0304	mg/Kg	☼	03/21/13 14:27	03/22/13 09:11	1
Lead	128		0.592	0.124	mg/Kg	☼	03/21/13 14:27	03/22/13 09:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	83		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-6
Lab Sample ID: 600-70262-8
Date Collected: 03/18/13 10:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.35		0.314	0.0322	mg/Kg	☼	03/21/13 14:27	03/22/13 09:13	1
Lead	187		0.628	0.132	mg/Kg	☼	03/21/13 14:27	03/22/13 09:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	79		1.0	1.0	%			03/20/13 14:50	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: DE-7

Lab Sample ID: 600-70262-9
Date Collected: 03/18/13 10:08
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.69		0.285	0.0292	mg/Kg	☼	03/21/13 14:27	03/22/13 09:16	1
Lead	250		0.570	0.120	mg/Kg	☼	03/21/13 14:27	03/22/13 09:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-17

Lab Sample ID: 600-70262-10
Date Collected: 03/18/13 11:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.346		0.294	0.0301	mg/Kg	☼	03/21/13 15:57	03/29/13 09:51	1
Lead	78.5		0.587	0.123	mg/Kg	☼	03/21/13 15:57	03/29/13 09:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-17 Dup

Lab Sample ID: 600-70262-11
Date Collected: 03/18/13 11:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.408		0.292	0.0299	mg/Kg	☼	03/21/13 15:57	03/29/13 09:55	1
Lead	85.2		0.583	0.122	mg/Kg	☼	03/21/13 15:57	03/29/13 09:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	80		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: F-18C

Lab Sample ID: 600-70262-12
Date Collected: 03/18/13 11:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.511		0.292	0.0300	mg/Kg	☼	03/21/13 15:57	03/29/13 09:59	1
Lead	87.9		0.584	0.123	mg/Kg	☼	03/21/13 15:57	03/29/13 09:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	86		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: F-19C
Lab Sample ID: 600-70262-13
Date Collected: 03/18/13 11:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.294		0.290	0.0298	mg/Kg	☼	03/21/13 15:57	03/29/13 10:02	1
Lead	51.0		0.581	0.122	mg/Kg	☼	03/21/13 15:57	03/29/13 10:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	85		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: F-20C
Lab Sample ID: 600-70262-14
Date Collected: 03/18/13 11:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 77.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.479		0.312	0.0320	mg/Kg	☼	03/21/13 15:57	03/29/13 10:06	1
Lead	36.6		0.624	0.131	mg/Kg	☼	03/21/13 15:57	03/29/13 10:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	78		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: F-21C
Lab Sample ID: 600-70262-15
Date Collected: 03/18/13 11:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.284	J	0.289	0.0297	mg/Kg	☼	03/21/13 15:57	03/29/13 10:10	1
Lead	44.3		0.579	0.121	mg/Kg	☼	03/21/13 15:57	03/29/13 10:10	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	85		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-21
Lab Sample ID: 600-70262-16
Date Collected: 03/18/13 11:35
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0295	U	0.288	0.0295	mg/Kg	☼	03/21/13 15:57	03/29/13 10:14	1
Lead	35.7		0.575	0.121	mg/Kg	☼	03/21/13 15:57	03/29/13 10:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	85		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: E-21C

Lab Sample ID: 600-70262-17
Date Collected: 03/18/13 11:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.224	J	0.294	0.0301	mg/Kg	☼	03/21/13 15:57	03/29/13 10:18	1
Lead	38.3		0.588	0.123	mg/Kg	☼	03/21/13 15:57	03/29/13 10:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	83		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-22

Lab Sample ID: 600-70262-18
Date Collected: 03/18/13 11:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 79.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0801	J	0.313	0.0321	mg/Kg	☼	03/21/13 15:57	03/29/13 10:29	1
Lead	30.5		0.625	0.131	mg/Kg	☼	03/21/13 15:57	03/29/13 10:29	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	79		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-21

Lab Sample ID: 600-70262-19
Date Collected: 03/18/13 11:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0300	U	0.292	0.0300	mg/Kg	☼	03/21/13 15:57	03/29/13 10:33	1
Lead	30.8		0.584	0.122	mg/Kg	☼	03/21/13 15:57	03/29/13 10:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-21C

Lab Sample ID: 600-70262-20
Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0292	U	0.285	0.0292	mg/Kg	☼	03/21/13 15:57	03/29/13 10:37	1
Lead	28.3		0.570	0.119	mg/Kg	☼	03/21/13 15:57	03/29/13 10:37	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	80		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-21C Dup
Lab Sample ID: 600-70262-21
Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0290	U	0.282	0.0290	mg/Kg	☼	03/21/13 15:57	03/29/13 10:52	1
Lead	29.0		0.565	0.118	mg/Kg	☼	03/21/13 15:57	03/29/13 10:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-22C
Lab Sample ID: 600-70262-22
Date Collected: 03/18/13 13:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.159	J	0.297	0.0305	mg/Kg	☼	03/21/13 15:57	03/29/13 10:56	1
Lead	26.2		0.594	0.125	mg/Kg	☼	03/21/13 15:57	03/29/13 10:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-21
Lab Sample ID: 600-70262-23
Date Collected: 03/18/13 13:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.326		0.287	0.0295	mg/Kg	☼	03/21/13 15:57	03/29/13 11:00	1
Lead	27.9		0.575	0.121	mg/Kg	☼	03/21/13 15:57	03/29/13 11:00	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: C-21C
Lab Sample ID: 600-70262-24
Date Collected: 03/18/13 14:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.443		0.289	0.0297	mg/Kg	☼	03/21/13 15:57	03/29/13 11:04	1
Lead	43.0		0.579	0.121	mg/Kg	☼	03/21/13 15:57	03/29/13 11:04	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	86		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: C-22C
Lab Sample ID: 600-70262-25
Date Collected: 03/18/13 14:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.568		0.287	0.0294	mg/Kg	☼	03/21/13 15:57	03/29/13 11:16	1
Lead	22.7		0.574	0.120	mg/Kg	☼	03/21/13 15:57	03/29/13 11:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	83		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-17
Lab Sample ID: 600-70262-26
Date Collected: 03/18/13 15:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.253	J	0.280	0.0288	mg/Kg	☼	03/21/13 15:57	03/29/13 11:19	1
Lead	37.7		0.561	0.118	mg/Kg	☼	03/21/13 15:57	03/29/13 11:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	88		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-16
Lab Sample ID: 600-70262-27
Date Collected: 03/18/13 16:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 89.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0274	U	0.267	0.0274	mg/Kg	☼	03/21/13 15:57	03/29/13 11:23	1
Lead	28.0		0.534	0.112	mg/Kg	☼	03/21/13 15:57	03/29/13 11:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	89		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-16 Dup
Lab Sample ID: 600-70262-28
Date Collected: 03/18/13 16:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 89.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0278	U	0.271	0.0278	mg/Kg	☼	03/21/13 15:57	03/29/13 11:39	1
Lead	25.5		0.541	0.113	mg/Kg	☼	03/21/13 15:57	03/29/13 11:39	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	90		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: C-19

Lab Sample ID: 600-70262-29
Date Collected: 03/18/13 16:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 76.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.180	J	0.325	0.0334	mg/Kg	☼	03/21/13 15:57	03/29/13 11:43	1
Lead	33.6		0.650	0.136	mg/Kg	☼	03/21/13 15:57	03/29/13 11:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	76		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: G-20C

Lab Sample ID: 600-70262-30
Date Collected: 03/18/13 17:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 87.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.409		0.277	0.0285	mg/Kg	☼	03/28/13 09:10	03/29/13 08:21	1
Lead	25.2		0.555	0.116	mg/Kg	☼	03/28/13 09:10	03/29/13 08:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	87		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: G-19C

Lab Sample ID: 600-70262-31
Date Collected: 03/18/13 17:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 91.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.367		0.273	0.0280	mg/Kg	☼	03/28/13 09:10	03/29/13 08:24	1
Lead	40.6		0.545	0.114	mg/Kg	☼	03/28/13 09:10	03/29/13 08:24	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.3		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	92		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: G-18C

Lab Sample ID: 600-70262-32
Date Collected: 03/18/13 17:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 86.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.259	J	0.286	0.0293	mg/Kg	☼	03/28/13 09:10	03/29/13 08:28	1
Lead	72.3		0.572	0.120	mg/Kg	☼	03/28/13 09:10	03/29/13 08:28	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	87		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: GH-19
Lab Sample ID: 600-70262-33
Date Collected: 03/18/13 17:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 89.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.272		0.265	0.0272	mg/Kg	☼	03/28/13 09:10	03/29/13 08:32	1
Lead	34.1		0.531	0.111	mg/Kg	☼	03/28/13 09:10	03/29/13 08:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	90		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: H-19C
Lab Sample ID: 600-70262-34
Date Collected: 03/18/13 17:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.331		0.302	0.0310	mg/Kg	☼	03/28/13 09:10	03/29/13 08:36	1
Lead	55.8		0.604	0.127	mg/Kg	☼	03/28/13 09:10	03/29/13 08:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: HI-20
Lab Sample ID: 600-70262-35
Date Collected: 03/18/13 17:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0363	J	0.293	0.0300	mg/Kg	☼	03/28/13 09:10	03/29/13 08:40	1
Lead	25.7		0.586	0.123	mg/Kg	☼	03/28/13 09:10	03/29/13 08:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: I-20C
Lab Sample ID: 600-70262-36
Date Collected: 03/18/13 17:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.280	J	0.290	0.0297	mg/Kg	☼	03/28/13 09:10	03/29/13 08:44	1
Lead	45.5		0.579	0.121	mg/Kg	☼	03/28/13 09:10	03/29/13 08:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-5
Lab Sample ID: 600-70262-37
Date Collected: 03/18/13 09:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.679		0.292	0.0299	mg/Kg	☼	03/28/13 09:10	03/29/13 08:55	1
Lead	106		0.584	0.122	mg/Kg	☼	03/28/13 09:10	03/29/13 08:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-6
Lab Sample ID: 600-70262-38
Date Collected: 03/18/13 09:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.840		0.308	0.0315	mg/Kg	☼	03/28/13 09:10	03/29/13 08:59	1
Lead	125		0.615	0.129	mg/Kg	☼	03/28/13 09:10	03/29/13 08:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	79		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-7
Lab Sample ID: 600-70262-39
Date Collected: 03/18/13 09:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.03		0.288	0.0295	mg/Kg	☼	03/28/13 09:10	03/29/13 09:03	1
Lead	180		0.576	0.121	mg/Kg	☼	03/28/13 09:10	03/29/13 09:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	80		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-7
Lab Sample ID: 600-70262-40
Date Collected: 03/18/13 10:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.346		0.283	0.0290	mg/Kg	☼	03/28/13 09:10	03/29/13 09:07	1
Lead	52.0		0.566	0.119	mg/Kg	☼	03/28/13 09:10	03/29/13 09:07	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	87		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-6
Lab Sample ID: 600-70262-41
Date Collected: 03/18/13 10:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 73.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.876		0.332	0.0341	mg/Kg	☼	03/28/13 09:10	03/29/13 09:11	1
Lead	103		0.665	0.139	mg/Kg	☼	03/28/13 09:10	03/29/13 09:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	73		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: E-18C
Lab Sample ID: 600-70262-42
Date Collected: 03/18/13 11:00
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.403		0.306	0.0314	mg/Kg	☼	03/28/13 10:19	03/29/13 12:12	1
Lead	78.6		0.612	0.128	mg/Kg	☼	03/28/13 10:19	03/29/13 12:12	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	82		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EF-19
Lab Sample ID: 600-70262-43
Date Collected: 03/18/13 11:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.391		0.294	0.0301	mg/Kg	☼	03/28/13 10:19	03/29/13 12:15	1
Lead	49.4		0.587	0.123	mg/Kg	☼	03/28/13 10:19	03/29/13 12:15	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	83		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: E-20C
Lab Sample ID: 600-70262-44
Date Collected: 03/18/13 11:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.514		0.297	0.0305	mg/Kg	☼	03/28/13 10:19	03/29/13 12:19	1
Lead	38.0		0.594	0.125	mg/Kg	☼	03/28/13 10:19	03/29/13 12:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-20
Lab Sample ID: 600-70262-45
Date Collected: 03/18/13 11:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.114	J	0.283	0.0291	mg/Kg	☼	03/28/13 10:19	03/29/13 12:23	1
Lead	35.2		0.567	0.119	mg/Kg	☼	03/28/13 10:19	03/29/13 12:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-19
Lab Sample ID: 600-70262-46
Date Collected: 03/18/13 11:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.258	J	0.290	0.0298	mg/Kg	☼	03/28/13 10:19	03/29/13 12:27	1
Lead	49.7		0.581	0.122	mg/Kg	☼	03/28/13 10:19	03/29/13 12:27	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-19 Dup
Lab Sample ID: 600-70262-47
Date Collected: 03/18/13 11:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 79.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.366		0.296	0.0303	mg/Kg	☼	03/28/13 10:19	03/29/13 12:31	1
Lead	60.1		0.591	0.124	mg/Kg	☼	03/28/13 10:19	03/29/13 12:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	80		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-17
Lab Sample ID: 600-70262-48
Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.369		0.296	0.0304	mg/Kg	☼	03/28/13 10:19	03/29/13 12:35	1
Lead	54.0		0.593	0.124	mg/Kg	☼	03/28/13 10:19	03/29/13 12:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	78		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: DE-18

Lab Sample ID: 600-70262-49

Date Collected: 03/18/13 13:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.259	J	0.287	0.0294	mg/Kg	☼	03/28/13 10:19	03/29/13 12:39	1
Lead	53.1		0.574	0.120	mg/Kg	☼	03/28/13 10:19	03/29/13 12:39	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-19C

Lab Sample ID: 600-70262-50

Date Collected: 03/18/13 14:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0290	U	0.283	0.0290	mg/Kg	☼	03/28/13 10:19	03/29/13 15:47	1
Lead	30.1		0.566	0.119	mg/Kg	☼	03/28/13 10:19	03/29/13 12:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	84		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-20C

Lab Sample ID: 600-70262-51

Date Collected: 03/18/13 14:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0285	U	0.278	0.0285	mg/Kg	☼	03/28/13 10:19	03/29/13 15:51	1
Lead	28.8		0.556	0.117	mg/Kg	☼	03/28/13 10:19	03/29/13 12:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	88		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-19

Lab Sample ID: 600-70262-52

Date Collected: 03/18/13 15:25
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 77.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0312	U	0.304	0.0312	mg/Kg	☼	03/28/13 10:19	03/29/13 15:55	1
Lead	13.9		0.609	0.128	mg/Kg	☼	03/28/13 10:19	03/29/13 12:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	77		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: D-18C

Lab Sample ID: 600-70262-53

Date Collected: 03/18/13 15:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.270	J	0.300	0.0307	mg/Kg	☼	03/28/13 10:19	03/29/13 16:10	1
Lead	52.3		0.599	0.126	mg/Kg	☼	03/28/13 10:19	03/29/13 13:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	81		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: CD-16

Lab Sample ID: 600-70262-54

Date Collected: 03/18/13 15:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 94.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0669	J	0.250	0.0256	mg/Kg	☼	03/28/13 10:19	03/29/13 16:14	1
Lead	28.2		0.499	0.105	mg/Kg	☼	03/28/13 10:19	03/29/13 13:17	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	5.5		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	94		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: C-18C

Lab Sample ID: 600-70262-55

Date Collected: 03/18/13 16:35
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 91.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0262	U	0.256	0.0262	mg/Kg	☼	03/28/13 10:19	03/29/13 16:26	1
Lead	40.2		0.511	0.107	mg/Kg	☼	03/28/13 10:19	03/29/13 13:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.6		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	91		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: BC-17

Lab Sample ID: 600-70262-56

Date Collected: 03/18/13 16:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 62.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0390	U	0.380	0.0390	mg/Kg	☼	03/28/13 10:19	03/29/13 16:29	1
Lead	71.6		0.761	0.160	mg/Kg	☼	03/28/13 10:19	03/29/13 13:25	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	37		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	63		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: FG-18

Lab Sample ID: 600-70262-57

Date Collected: 03/18/13 17:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0935	J	0.269	0.0276	mg/Kg	☼	03/28/13 10:19	03/29/13 16:45	1
Lead	43.7		0.537	0.113	mg/Kg	☼	03/28/13 10:19	03/29/13 13:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	89		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: FG-19

Lab Sample ID: 600-70262-58

Date Collected: 03/18/13 17:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.124	J	0.277	0.0284	mg/Kg	☼	03/28/13 10:19	03/29/13 16:49	1
Lead	25.5		0.553	0.116	mg/Kg	☼	03/28/13 10:19	03/29/13 13:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/21/13 14:56	1
Percent Solids	89		1.0	1.0	%			03/21/13 14:56	1

Client Sample ID: FG-20

Lab Sample ID: 600-70262-59

Date Collected: 03/18/13 17:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 93.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0259	U ^	0.253	0.0259	mg/Kg	☼	03/28/13 10:19	03/29/13 13:56	1
Lead	19.6		0.506	0.106	mg/Kg	☼	03/28/13 10:19	03/29/13 13:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.7		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	93		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: H-20C

Lab Sample ID: 600-70262-60

Date Collected: 03/18/13 17:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0302	U	0.294	0.0302	mg/Kg	☼	03/28/13 10:19	03/29/13 16:53	1
Lead	52.4		0.588	0.123	mg/Kg	☼	03/28/13 10:19	03/29/13 13:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	79		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: HI-19
Lab Sample ID: 600-70262-61
Date Collected: 03/18/13 17:35
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 96.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0262	U	0.255	0.0262	mg/Kg	☼	03/28/13 10:19	03/29/13 16:56	1
Lead	**49.5**		0.510	0.107	mg/Kg	☼	03/28/13 10:19	03/29/13 14:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**4.0**		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	**96**		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: EQ1
Lab Sample ID: 600-70262-62
Date Collected: 03/18/13 18:00
Matrix: Water
Date Received: 03/20/13 09:11

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/21/13 08:47	03/26/13 10:53	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/21/13 08:47	03/26/13 14:47	1

Client Sample ID: EQ2
Lab Sample ID: 600-70262-63
Date Collected: 03/18/13 18:05
Matrix: Water
Date Received: 03/20/13 09:11

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/21/13 08:47	03/26/13 10:55	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/21/13 08:47	03/26/13 14:50	1

Client Sample ID: FG-19 Dup
Lab Sample ID: 600-70262-64
Date Collected: 03/18/13 17:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.111**	**J**	0.282	0.0289	mg/Kg	☼	03/28/13 14:13	03/29/13 17:16	1
Lead	**30.6**		0.563	0.118	mg/Kg	☼	03/28/13 14:13	03/30/13 12:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**11**		1.0	1.0	%			03/21/13 14:56	1
Percent Solids	**89**		1.0	1.0	%			03/21/13 14:56	1

Client Sample ID: JK-20
Lab Sample ID: 600-70262-65
Date Collected: 03/19/13 08:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 91.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0262	U	0.255	0.0262	mg/Kg	☼	03/28/13 14:13	03/29/13 17:20	1
Lead	**28.4**		0.510	0.107	mg/Kg	☼	03/28/13 14:13	03/30/13 12:04	1

Client Sample ID: JK-20

Lab Sample ID: 600-70262-65

Date Collected: 03/19/13 08:45
Matrix: Solid
Date Received: 03/20/13 09:11

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.4		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	92		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: J-20C

Lab Sample ID: 600-70262-66

Date Collected: 03/19/13 08:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 93.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.169	J	0.253	0.0259	mg/Kg	☼	03/28/13 14:13	03/29/13 17:23	1
Lead	57.3		0.506	0.106	mg/Kg	☼	03/28/13 14:13	03/30/13 12:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.7		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	93		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: I-18A3

Lab Sample ID: 600-70262-67

Date Collected: 03/19/13 08:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.133	J	0.268	0.0275	mg/Kg	☼	03/28/13 14:13	03/29/13 17:27	1
Lead	79.6		0.536	0.112	mg/Kg	☼	03/28/13 14:13	03/30/13 12:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	86		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: I-19C

Lab Sample ID: 600-70262-68

Date Collected: 03/19/13 09:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 97.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0295	J	0.246	0.0252	mg/Kg	☼	03/28/13 14:13	03/29/13 17:31	1
Lead	77.9		0.492	0.103	mg/Kg	☼	03/28/13 14:13	03/30/13 12:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	2.2		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	98		1.0	1.0	%			03/20/13 14:50	1

Client Sample ID: I-18A1

Lab Sample ID: 600-70262-69

Date Collected: 03/19/13 09:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.252	J	0.293	0.0301	mg/Kg	☼	03/28/13 14:13	03/29/13 17:35	1
Lead	273		0.587	0.123	mg/Kg	☼	03/28/13 14:13	03/30/13 12:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/21/13 14:56	1
Percent Solids	83		1.0	1.0	%			03/21/13 14:56	1

Client Sample ID: I-18A1 Dup

Lab Sample ID: 600-70262-70

Date Collected: 03/19/13 09:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.556		0.287	0.0294	mg/Kg	☼	03/28/13 14:13	03/29/13 17:58	1
Lead	259		0.574	0.120	mg/Kg	☼	03/28/13 14:13	03/30/13 12:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/21/13 14:56	1
Percent Solids	83		1.0	1.0	%			03/21/13 14:56	1

Client Sample ID: I-18A4

Lab Sample ID: 600-70262-71

Date Collected: 03/19/13 09:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.379		0.276	0.0283	mg/Kg	☼	03/28/13 14:13	03/29/13 18:02	1
Lead	239		0.551	0.116	mg/Kg	☼	03/28/13 14:13	03/30/13 12:34	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/20/13 14:50	1
Percent Solids	88		1.0	1.0	%			03/20/13 14:50	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
F	Duplicate RPD exceeds the control limit
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

General Chemistry

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102151/1-A
Matrix: Water
Analysis Batch: 102560

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102151

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/21/13 08:47	03/26/13 09:59	1

Lab Sample ID: MB 600-102151/1-A
Matrix: Water
Analysis Batch: 102598

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102151

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00290	U	0.0100	0.00290	mg/L		03/21/13 08:47	03/26/13 14:00	1

Lab Sample ID: LCS 600-102151/2-A
Matrix: Water
Analysis Batch: 102560

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.500	0.5280		mg/L		106	80 - 120

Lab Sample ID: LCS 600-102151/2-A
Matrix: Water
Analysis Batch: 102598

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102151

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	1.009		mg/L		101	80 - 120

Lab Sample ID: MB 600-102224/1-A
Matrix: Solid
Analysis Batch: 102297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102224

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/21/13 14:27	03/22/13 08:35	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/21/13 14:27	03/22/13 08:35	1

Lab Sample ID: LCSSRM 600-102224/2-A
Matrix: Solid
Analysis Batch: 102297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102224

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	100.0		mg/Kg		97.1	83.6 - 115.5
Lead	76.9	75.67		mg/Kg		98.4	81.3 - 118.7

Lab Sample ID: 600-70262-1 MS
Matrix: Solid
Analysis Batch: 102297

Client Sample ID: AB-6
Prep Type: Total/NA
Prep Batch: 102224

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.293		26.9	25.68		mg/Kg	☼	94	75 - 125
Lead	54.9		53.8	109.7		mg/Kg	☼	102	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70262-1 MSD — **Client Sample ID: AB-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102297 — **Prep Batch: 102224**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.293		26.6	24.52		mg/Kg	☼	91	75 - 125	5	20
Lead	54.9		53.3	105.8		mg/Kg	☼	96	75 - 125	4	20

Lab Sample ID: 600-70262-1 DU — **Client Sample ID: AB-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102297 — **Prep Batch: 102224**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.293		0.3149		mg/Kg	☼	7	20
Lead	54.9		58.37		mg/Kg	☼	6	20

Lab Sample ID: MB 600-102248/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/21/13 15:57	03/29/13 09:43	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/21/13 15:57	03/29/13 09:43	1

Lab Sample ID: LCSSRM 600-102248/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	96.04		mg/Kg		93.2	83.6 - 115.5
Lead	76.9	72.57		mg/Kg		94.4	81.3 - 118.7

Lab Sample ID: 600-70262-20 MS — **Client Sample ID: D-21C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0292	U	30.2	21.31	N	mg/Kg	☼	71	75 - 125
Lead	28.3		60.3	71.56	N	mg/Kg	☼	72	75 - 125

Lab Sample ID: 600-70262-20 MSD — **Client Sample ID: D-21C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0292	U	29.6	20.98	N	mg/Kg	☼	71	75 - 125	2	20
Lead	28.3		59.2	70.87	N	mg/Kg	☼	72	75 - 125	1	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70262-27 MS — **Client Sample ID: BC-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0274	U	27.2	20.25	N	mg/Kg	☼	74	75 - 125
Lead	28.0		54.5	64.62	N	mg/Kg	☼	67	75 - 125

Lab Sample ID: 600-70262-27 MSD — **Client Sample ID: BC-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0274	U	28.1	19.78	N	mg/Kg	☼	71	75 - 125	2	20
Lead	28.0		56.1	66.40	N	mg/Kg	☼	68	75 - 125	3	20

Lab Sample ID: 600-70262-20 DU — **Client Sample ID: D-21C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0292	U	0.0309	U	mg/Kg	☼	NC	20
Lead	28.3		29.16		mg/Kg	☼	3	20

Lab Sample ID: 600-70262-27 DU — **Client Sample ID: BC-16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102248**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0274	U	0.0264	U	mg/Kg	☼	NC	20
Lead	28.0		21.58	F	mg/Kg	☼	26	20

Lab Sample ID: MB 600-102734/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102734**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/28/13 09:10	03/29/13 07:23	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/28/13 09:10	03/29/13 07:23	1

Lab Sample ID: LCSSRM 600-102734/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102734**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.93		mg/Kg		90.2	83.6 - 115.5
Lead	76.9	70.59		mg/Kg		91.8	81.3 - 118.7

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70262-41 MSD
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.876		32.0	24.97		mg/Kg	☼	75	75 - 125	3	20
Lead	103		64.0	147.1	N	mg/Kg	☼	69	75 - 125	4	20

Lab Sample ID: 600-70262-41MS
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.876		32.9	25.75		mg/Kg	☼	76	75 - 125
Lead	103		65.8	153.6		mg/Kg	☼	77	75 - 125

Lab Sample ID: 600-70262-41 DU
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.876		0.8715		mg/Kg	☼	0.5	20
Lead	103		111.1		mg/Kg	☼	8	20

Lab Sample ID: MB 600-102745/1-A
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102745

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/28/13 10:19	03/29/13 12:04	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/28/13 10:19	03/29/13 12:04	1

Lab Sample ID: MB 600-102745/1-A
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102745

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/28/13 10:19	03/29/13 15:39	1

Lab Sample ID: LCSSRM 600-102745/2-A
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	98.32		mg/Kg		95.5	83.6 - 115.5
Lead	76.9	70.91		mg/Kg		92.2	81.3 - 118.7

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 600-102745/2-A
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	91.95		mg/Kg		89.3	83.6 - 115.5

Lab Sample ID: 600-70262-52 MS
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: CD-19
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	13.9		60.3	58.52	N	mg/Kg	☼	74	75 - 125

Lab Sample ID: 600-70262-52 MS
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: CD-19
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0312	U	30.2	20.65	N	mg/Kg	☼	68	75 - 125

Lab Sample ID: 600-70262-52 MSD
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: CD-19
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	13.9		61.5	58.64	N	mg/Kg	☼	73	75 - 125	0	20

Lab Sample ID: 600-70262-52 MSD
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: CD-19
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0312	U	30.7	21.25	N	mg/Kg	☼	69	75 - 125	3	20

Lab Sample ID: 600-70262-56 MSD
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: BC-17
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	71.6		74.0	114.3	N	mg/Kg	☼	58	75 - 125	12	20

Lab Sample ID: 600-70262-56 MSD
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: BC-17
Prep Type: Total/NA
Prep Batch: 102745

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0390	U	37.0	23.80	N	mg/Kg	☼	64	75 - 125	13	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70262-56MS — **Client Sample ID: BC-17**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	71.6		79.1	128.3	N	mg/Kg	☼	72	75 - 125

Lab Sample ID: 600-70262-56MS — **Client Sample ID: BC-17**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102890 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0390	U	39.6	27.18	N	mg/Kg	☼	69	75 - 125

Lab Sample ID: 600-70262-52 DU — **Client Sample ID: CD-19**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	13.9		14.64		mg/Kg	☼	5	20

Lab Sample ID: 600-70262-52 DU — **Client Sample ID: CD-19**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102890 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0312	U	0.0328	U	mg/Kg	☼	NC	20

Lab Sample ID: 600-70262-56 DU — **Client Sample ID: BC-17**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102816 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	71.6		72.06		mg/Kg	☼	0.6	20

Lab Sample ID: 600-70262-56 DU — **Client Sample ID: BC-17**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102890 — **Prep Batch: 102745**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0390	U	0.0402	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 600-102768/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102890 — **Prep Batch: 102768**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/28/13 14:13	03/29/13 17:08	1

Lab Sample ID: MB 600-102768/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102768**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.105	U	0.500	0.105	mg/Kg		03/28/13 14:13	03/30/13 11:56	1

Lab Sample ID: LCSSRM 600-102768/2-A
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	91.39		mg/Kg		88.7	83.6 - 115.5

Lab Sample ID: LCSSRM 600-102768/2-A
Matrix: Solid
Analysis Batch: 102920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	76.9	75.33		mg/Kg		98.0	81.3 - 118.7

Lab Sample ID: 600-70262-69 MS
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.252	J	30.0	20.60	N	mg/Kg	☼	68	75 - 125

Lab Sample ID: 600-70262-69 MS
Matrix: Solid
Analysis Batch: 102920

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	273		60.0	290.2	4	mg/Kg	☼	28	75 - 125

Lab Sample ID: 600-70262-69 MSD
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.252	J	27.7	18.62	N	mg/Kg	☼	66	75 - 125	10	20

Lab Sample ID: 600-70262-69 MSD
Matrix: Solid
Analysis Batch: 102920

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	273		55.4	290.0	4	mg/Kg	☼	30	75 - 125	0	20

Lab Sample ID: 600-70262-69 DU
Matrix: Solid
Analysis Batch: 102890

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.252	J	0.2717	J	mg/Kg	☼	8	20

Lab Sample ID: 600-70262-69 DU
Matrix: Solid
Analysis Batch: 102920

Client Sample ID: I-18A1
Prep Type: Total/NA
Prep Batch: 102768

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	273		242.4		mg/Kg	☼	12	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70262-3 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: BC-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	17		15		%		12	20
Percent Solids	83		85		%		2	20

Lab Sample ID: 600-70262-13 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: F-19C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		21	F	%		33	20
Percent Solids	85		79		%		7	20

Lab Sample ID: 600-70262-23 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: CD-21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	19		32	F	%		50	20
Percent Solids	81		68		%		17	20

Lab Sample ID: 600-70262-33 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: GH-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		10		%		0.1	20
Percent Solids	90		90		%		0.02	20

Lab Sample ID: 600-70262-43 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: EF-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	17		13	F	%		21	20
Percent Solids	83		87		%		4	20

Lab Sample ID: 600-70262-53 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: D-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	19		22		%		17	20
Percent Solids	81		78		%		4	20

Lab Sample ID: 600-70262-71 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: I-18A4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	12		10		%		14	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 600-70262-71 DU
Matrix: Solid
Analysis Batch: 102097

Client Sample ID: I-18A4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	88			90		%				2	20

Lab Sample ID: 600-70262-58 DU
Matrix: Solid
Analysis Batch: 102231

Client Sample ID: FG-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	11			11		%				4	20
Percent Solids	89			89		%				0.5	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Cadmium	0.00500	0.000350	mg/L	6010B
Lead	0.500	0.105	mg/Kg	6010B
Lead	0.0100	0.00290	mg/L	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 102151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-62	EQ1	Total/NA	Water	3010A	
600-70262-63	EQ2	Total/NA	Water	3010A	
LCS 600-102151/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-102151/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 102224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-1	AB-6	Total/NA	Solid	3050B	
600-70262-1 DU	AB-6	Total/NA	Solid	3050B	
600-70262-1 MS	AB-6	Total/NA	Solid	3050B	
600-70262-1 MSD	AB-6	Total/NA	Solid	3050B	
600-70262-2	AB-7	Total/NA	Solid	3050B	
600-70262-3	BC-8	Total/NA	Solid	3050B	
600-70262-4	BC-7	Total/NA	Solid	3050B	
600-70262-5	BC-6	Total/NA	Solid	3050B	
600-70262-6	BC-5	Total/NA	Solid	3050B	
600-70262-7	DE-5	Total/NA	Solid	3050B	
600-70262-8	DE-6	Total/NA	Solid	3050B	
600-70262-9	DE-7	Total/NA	Solid	3050B	
LCSSRM 600-102224/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102224/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-10	EF-17	Total/NA	Solid	3050B	
600-70262-11	EF-17 Dup	Total/NA	Solid	3050B	
600-70262-12	F-18C	Total/NA	Solid	3050B	
600-70262-13	F-19C	Total/NA	Solid	3050B	
600-70262-14	F-20C	Total/NA	Solid	3050B	
600-70262-15	F-21C	Total/NA	Solid	3050B	
600-70262-16	EF-21	Total/NA	Solid	3050B	
600-70262-17	E-21C	Total/NA	Solid	3050B	
600-70262-18	DE-22	Total/NA	Solid	3050B	
600-70262-19	DE-21	Total/NA	Solid	3050B	
600-70262-20	D-21C	Total/NA	Solid	3050B	
600-70262-20 DU	D-21C	Total/NA	Solid	3050B	
600-70262-20 MS	D-21C	Total/NA	Solid	3050B	
600-70262-20 MSD	D-21C	Total/NA	Solid	3050B	
600-70262-21	D-21C Dup	Total/NA	Solid	3050B	
600-70262-22	D-22C	Total/NA	Solid	3050B	
600-70262-23	CD-21	Total/NA	Solid	3050B	
600-70262-24	C-21C	Total/NA	Solid	3050B	
600-70262-25	C-22C	Total/NA	Solid	3050B	
600-70262-26	CD-17	Total/NA	Solid	3050B	
600-70262-27	BC-16	Total/NA	Solid	3050B	
600-70262-27 DU	BC-16	Total/NA	Solid	3050B	
600-70262-27 MS	BC-16	Total/NA	Solid	3050B	
600-70262-27 MSD	BC-16	Total/NA	Solid	3050B	
600-70262-28	BC-16 Dup	Total/NA	Solid	3050B	
600-70262-29	C-19	Total/NA	Solid	3050B	
LCSSRM 600-102248/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 102248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-102248/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-1	AB-6	Total/NA	Solid	6010B	102224
600-70262-1 DU	AB-6	Total/NA	Solid	6010B	102224
600-70262-1 MS	AB-6	Total/NA	Solid	6010B	102224
600-70262-1 MSD	AB-6	Total/NA	Solid	6010B	102224
600-70262-2	AB-7	Total/NA	Solid	6010B	102224
600-70262-3	BC-8	Total/NA	Solid	6010B	102224
600-70262-4	BC-7	Total/NA	Solid	6010B	102224
600-70262-5	BC-6	Total/NA	Solid	6010B	102224
600-70262-6	BC-5	Total/NA	Solid	6010B	102224
600-70262-7	DE-5	Total/NA	Solid	6010B	102224
600-70262-8	DE-6	Total/NA	Solid	6010B	102224
600-70262-9	DE-7	Total/NA	Solid	6010B	102224
LCSSRM 600-102224/2-A	Lab Control Sample	Total/NA	Solid	6010B	102224
MB 600-102224/1-A	Method Blank	Total/NA	Solid	6010B	102224

Analysis Batch: 102560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-62	EQ1	Total/NA	Water	6010B	102151
600-70262-63	EQ2	Total/NA	Water	6010B	102151
LCS 600-102151/2-A	Lab Control Sample	Total/NA	Water	6010B	102151
MB 600-102151/1-A	Method Blank	Total/NA	Water	6010B	102151

Analysis Batch: 102598

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-62	EQ1	Total/NA	Water	6010B	102151
600-70262-63	EQ2	Total/NA	Water	6010B	102151
LCS 600-102151/2-A	Lab Control Sample	Total/NA	Water	6010B	102151
MB 600-102151/1-A	Method Blank	Total/NA	Water	6010B	102151

Prep Batch: 102734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-30	G-20C	Total/NA	Solid	3050B	
600-70262-31	G-19C	Total/NA	Solid	3050B	
600-70262-32	G-18C	Total/NA	Solid	3050B	
600-70262-33	GH-19	Total/NA	Solid	3050B	
600-70262-34	H-19C	Total/NA	Solid	3050B	
600-70262-35	HI-20	Total/NA	Solid	3050B	
600-70262-36	I-20C	Total/NA	Solid	3050B	
600-70262-37	CD-5	Total/NA	Solid	3050B	
600-70262-38	CD-6	Total/NA	Solid	3050B	
600-70262-39	CD-7	Total/NA	Solid	3050B	
600-70262-40	EF-7	Total/NA	Solid	3050B	
600-70262-41	EF-6	Total/NA	Solid	3050B	
600-70262-41 DU	EF-6	Total/NA	Solid	3050B	
600-70262-41 MSD	EF-6	Total/NA	Solid	3050B	
600-70262-41MS	EF-6	Total/NA	Solid	3050B	
LCSSRM 600-102734/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 102734 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-102734/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-42	E-18C	Total/NA	Solid	3050B	
600-70262-43	EF-19	Total/NA	Solid	3050B	
600-70262-44	E-20C	Total/NA	Solid	3050B	
600-70262-45	DE-20	Total/NA	Solid	3050B	
600-70262-46	DE-19	Total/NA	Solid	3050B	
600-70262-47	DE-19 Dup	Total/NA	Solid	3050B	
600-70262-48	DE-17	Total/NA	Solid	3050B	
600-70262-49	DE-18	Total/NA	Solid	3050B	
600-70262-50	D-19C	Total/NA	Solid	3050B	
600-70262-51	D-20C	Total/NA	Solid	3050B	
600-70262-52	CD-19	Total/NA	Solid	3050B	
600-70262-52 DU	CD-19	Total/NA	Solid	3050B	
600-70262-52 MS	CD-19	Total/NA	Solid	3050B	
600-70262-52 MSD	CD-19	Total/NA	Solid	3050B	
600-70262-53	D-18C	Total/NA	Solid	3050B	
600-70262-54	CD-16	Total/NA	Solid	3050B	
600-70262-55	C-18C	Total/NA	Solid	3050B	
600-70262-56	BC-17	Total/NA	Solid	3050B	
600-70262-56 DU	BC-17	Total/NA	Solid	3050B	
600-70262-56 MSD	BC-17	Total/NA	Solid	3050B	
600-70262-56MS	BC-17	Total/NA	Solid	3050B	
600-70262-57	FG-18	Total/NA	Solid	3050B	
600-70262-58	FG-19	Total/NA	Solid	3050B	
600-70262-59	FG-20	Total/NA	Solid	3050B	
600-70262-60	H-20C	Total/NA	Solid	3050B	
600-70262-61	HI-19	Total/NA	Solid	3050B	
LCSSRM 600-102745/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102745/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102768

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-64	FG-19 Dup	Total/NA	Solid	3050B	
600-70262-65	JK-20	Total/NA	Solid	3050B	
600-70262-66	J-20C	Total/NA	Solid	3050B	
600-70262-67	I-18A3	Total/NA	Solid	3050B	
600-70262-68	I-19C	Total/NA	Solid	3050B	
600-70262-69	I-18A1	Total/NA	Solid	3050B	
600-70262-69 DU	I-18A1	Total/NA	Solid	3050B	
600-70262-69 MS	I-18A1	Total/NA	Solid	3050B	
600-70262-69 MSD	I-18A1	Total/NA	Solid	3050B	
600-70262-70	I-18A1 Dup	Total/NA	Solid	3050B	
600-70262-71	I-18A4	Total/NA	Solid	3050B	
LCSSRM 600-102768/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102768/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Analysis Batch: 102816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-10	EF-17	Total/NA	Solid	6010B	102248
600-70262-11	EF-17 Dup	Total/NA	Solid	6010B	102248
600-70262-12	F-18C	Total/NA	Solid	6010B	102248
600-70262-13	F-19C	Total/NA	Solid	6010B	102248
600-70262-14	F-20C	Total/NA	Solid	6010B	102248
600-70262-15	F-21C	Total/NA	Solid	6010B	102248
600-70262-16	EF-21	Total/NA	Solid	6010B	102248
600-70262-17	E-21C	Total/NA	Solid	6010B	102248
600-70262-18	DE-22	Total/NA	Solid	6010B	102248
600-70262-19	DE-21	Total/NA	Solid	6010B	102248
600-70262-20	D-21C	Total/NA	Solid	6010B	102248
600-70262-20 DU	D-21C	Total/NA	Solid	6010B	102248
600-70262-20 MS	D-21C	Total/NA	Solid	6010B	102248
600-70262-20 MSD	D-21C	Total/NA	Solid	6010B	102248
600-70262-21	D-21C Dup	Total/NA	Solid	6010B	102248
600-70262-22	D-22C	Total/NA	Solid	6010B	102248
600-70262-23	CD-21	Total/NA	Solid	6010B	102248
600-70262-24	C-21C	Total/NA	Solid	6010B	102248
600-70262-25	C-22C	Total/NA	Solid	6010B	102248
600-70262-26	CD-17	Total/NA	Solid	6010B	102248
600-70262-27	BC-16	Total/NA	Solid	6010B	102248
600-70262-27 DU	BC-16	Total/NA	Solid	6010B	102248
600-70262-27 MS	BC-16	Total/NA	Solid	6010B	102248
600-70262-27 MSD	BC-16	Total/NA	Solid	6010B	102248
600-70262-28	BC-16 Dup	Total/NA	Solid	6010B	102248
600-70262-29	C-19	Total/NA	Solid	6010B	102248
600-70262-30	G-20C	Total/NA	Solid	6010B	102734
600-70262-31	G-19C	Total/NA	Solid	6010B	102734
600-70262-32	G-18C	Total/NA	Solid	6010B	102734
600-70262-33	GH-19	Total/NA	Solid	6010B	102734
600-70262-34	H-19C	Total/NA	Solid	6010B	102734
600-70262-35	HI-20	Total/NA	Solid	6010B	102734
600-70262-36	I-20C	Total/NA	Solid	6010B	102734
600-70262-37	CD-5	Total/NA	Solid	6010B	102734
600-70262-38	CD-6	Total/NA	Solid	6010B	102734
600-70262-39	CD-7	Total/NA	Solid	6010B	102734
600-70262-40	EF-7	Total/NA	Solid	6010B	102734
600-70262-41	EF-6	Total/NA	Solid	6010B	102734
600-70262-41 DU	EF-6	Total/NA	Solid	6010B	102734
600-70262-41 MSD	EF-6	Total/NA	Solid	6010B	102734
600-70262-41MS	EF-6	Total/NA	Solid	6010B	102734
600-70262-42	E-18C	Total/NA	Solid	6010B	102745
600-70262-43	EF-19	Total/NA	Solid	6010B	102745
600-70262-44	E-20C	Total/NA	Solid	6010B	102745
600-70262-45	DE-20	Total/NA	Solid	6010B	102745
600-70262-46	DE-19	Total/NA	Solid	6010B	102745
600-70262-47	DE-19 Dup	Total/NA	Solid	6010B	102745
600-70262-48	DE-17	Total/NA	Solid	6010B	102745
600-70262-49	DE-18	Total/NA	Solid	6010B	102745
600-70262-50	D-19C	Total/NA	Solid	6010B	102745
600-70262-51	D-20C	Total/NA	Solid	6010B	102745

Metals (Continued)

Analysis Batch: 102816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-52	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 DU	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 MS	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 MSD	CD-19	Total/NA	Solid	6010B	102745
600-70262-53	D-18C	Total/NA	Solid	6010B	102745
600-70262-54	CD-16	Total/NA	Solid	6010B	102745
600-70262-55	C-18C	Total/NA	Solid	6010B	102745
600-70262-56	BC-17	Total/NA	Solid	6010B	102745
600-70262-56 DU	BC-17	Total/NA	Solid	6010B	102745
600-70262-56 MSD	BC-17	Total/NA	Solid	6010B	102745
600-70262-56MS	BC-17	Total/NA	Solid	6010B	102745
600-70262-57	FG-18	Total/NA	Solid	6010B	102745
600-70262-58	FG-19	Total/NA	Solid	6010B	102745
600-70262-59	FG-20	Total/NA	Solid	6010B	102745
600-70262-60	H-20C	Total/NA	Solid	6010B	102745
600-70262-61	HI-19	Total/NA	Solid	6010B	102745
LCSSRM 600-102248/2-A	Lab Control Sample	Total/NA	Solid	6010B	102248
LCSSRM 600-102734/2-A	Lab Control Sample	Total/NA	Solid	6010B	102734
LCSSRM 600-102745/2-A	Lab Control Sample	Total/NA	Solid	6010B	102745
MB 600-102248/1-A	Method Blank	Total/NA	Solid	6010B	102248
MB 600-102734/1-A	Method Blank	Total/NA	Solid	6010B	102734
MB 600-102745/1-A	Method Blank	Total/NA	Solid	6010B	102745

Analysis Batch: 102890

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-50	D-19C	Total/NA	Solid	6010B	102745
600-70262-51	D-20C	Total/NA	Solid	6010B	102745
600-70262-52	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 DU	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 MS	CD-19	Total/NA	Solid	6010B	102745
600-70262-52 MSD	CD-19	Total/NA	Solid	6010B	102745
600-70262-53	D-18C	Total/NA	Solid	6010B	102745
600-70262-54	CD-16	Total/NA	Solid	6010B	102745
600-70262-55	C-18C	Total/NA	Solid	6010B	102745
600-70262-56	BC-17	Total/NA	Solid	6010B	102745
600-70262-56 DU	BC-17	Total/NA	Solid	6010B	102745
600-70262-56 MSD	BC-17	Total/NA	Solid	6010B	102745
600-70262-56MS	BC-17	Total/NA	Solid	6010B	102745
600-70262-57	FG-18	Total/NA	Solid	6010B	102745
600-70262-58	FG-19	Total/NA	Solid	6010B	102745
600-70262-60	H-20C	Total/NA	Solid	6010B	102745
600-70262-61	HI-19	Total/NA	Solid	6010B	102745
600-70262-64	FG-19 Dup	Total/NA	Solid	6010B	102768
600-70262-65	JK-20	Total/NA	Solid	6010B	102768
600-70262-66	J-20C	Total/NA	Solid	6010B	102768
600-70262-67	I-18A3	Total/NA	Solid	6010B	102768
600-70262-68	I-19C	Total/NA	Solid	6010B	102768
600-70262-69	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 DU	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 MS	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 MSD	I-18A1	Total/NA	Solid	6010B	102768

Metals (Continued)

Analysis Batch: 102890 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-70	I-18A1 Dup	Total/NA	Solid	6010B	102768
600-70262-71	I-18A4	Total/NA	Solid	6010B	102768
LCSSRM 600-102745/2-A	Lab Control Sample	Total/NA	Solid	6010B	102745
LCSSRM 600-102768/2-A	Lab Control Sample	Total/NA	Solid	6010B	102768
MB 600-102745/1-A	Method Blank	Total/NA	Solid	6010B	102745
MB 600-102768/1-A	Method Blank	Total/NA	Solid	6010B	102768

Analysis Batch: 102920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-64	FG-19 Dup	Total/NA	Solid	6010B	102768
600-70262-65	JK-20	Total/NA	Solid	6010B	102768
600-70262-66	J-20C	Total/NA	Solid	6010B	102768
600-70262-67	I-18A3	Total/NA	Solid	6010B	102768
600-70262-68	I-19C	Total/NA	Solid	6010B	102768
600-70262-69	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 DU	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 MS	I-18A1	Total/NA	Solid	6010B	102768
600-70262-69 MSD	I-18A1	Total/NA	Solid	6010B	102768
600-70262-70	I-18A1 Dup	Total/NA	Solid	6010B	102768
600-70262-71	I-18A4	Total/NA	Solid	6010B	102768
LCSSRM 600-102768/2-A	Lab Control Sample	Total/NA	Solid	6010B	102768
MB 600-102768/1-A	Method Blank	Total/NA	Solid	6010B	102768

General Chemistry

Analysis Batch: 102097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-1	AB-6	Total/NA	Solid	Moisture	
600-70262-2	AB-7	Total/NA	Solid	Moisture	
600-70262-3	BC-8	Total/NA	Solid	Moisture	
600-70262-3 DU	BC-8	Total/NA	Solid	Moisture	
600-70262-4	BC-7	Total/NA	Solid	Moisture	
600-70262-5	BC-6	Total/NA	Solid	Moisture	
600-70262-6	BC-5	Total/NA	Solid	Moisture	
600-70262-7	DE-5	Total/NA	Solid	Moisture	
600-70262-8	DE-6	Total/NA	Solid	Moisture	
600-70262-9	DE-7	Total/NA	Solid	Moisture	
600-70262-10	EF-17	Total/NA	Solid	Moisture	
600-70262-11	EF-17 Dup	Total/NA	Solid	Moisture	
600-70262-12	F-18C	Total/NA	Solid	Moisture	
600-70262-13	F-19C	Total/NA	Solid	Moisture	
600-70262-13 DU	F-19C	Total/NA	Solid	Moisture	
600-70262-14	F-20C	Total/NA	Solid	Moisture	
600-70262-15	F-21C	Total/NA	Solid	Moisture	
600-70262-16	EF-21	Total/NA	Solid	Moisture	
600-70262-17	E-21C	Total/NA	Solid	Moisture	
600-70262-18	DE-22	Total/NA	Solid	Moisture	
600-70262-19	DE-21	Total/NA	Solid	Moisture	
600-70262-20	D-21C	Total/NA	Solid	Moisture	
600-70262-20 MS	D-21C	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-20 MSD	D-21C	Total/NA	Solid	Moisture	
600-70262-21	D-21C Dup	Total/NA	Solid	Moisture	
600-70262-22	D-22C	Total/NA	Solid	Moisture	
600-70262-23	CD-21	Total/NA	Solid	Moisture	
600-70262-23 DU	CD-21	Total/NA	Solid	Moisture	
600-70262-24	C-21C	Total/NA	Solid	Moisture	
600-70262-25	C-22C	Total/NA	Solid	Moisture	
600-70262-26	CD-17	Total/NA	Solid	Moisture	
600-70262-27	BC-16	Total/NA	Solid	Moisture	
600-70262-28	BC-16 Dup	Total/NA	Solid	Moisture	
600-70262-29	C-19	Total/NA	Solid	Moisture	
600-70262-30	G-20C	Total/NA	Solid	Moisture	
600-70262-31	G-19C	Total/NA	Solid	Moisture	
600-70262-32	G-18C	Total/NA	Solid	Moisture	
600-70262-33	GH-19	Total/NA	Solid	Moisture	
600-70262-33 DU	GH-19	Total/NA	Solid	Moisture	
600-70262-34	H-19C	Total/NA	Solid	Moisture	
600-70262-35	HI-20	Total/NA	Solid	Moisture	
600-70262-36	I-20C	Total/NA	Solid	Moisture	
600-70262-37	CD-5	Total/NA	Solid	Moisture	
600-70262-38	CD-6	Total/NA	Solid	Moisture	
600-70262-39	CD-7	Total/NA	Solid	Moisture	
600-70262-40	EF-7	Total/NA	Solid	Moisture	
600-70262-41	EF-6	Total/NA	Solid	Moisture	
600-70262-41 MSD	EF-6	Total/NA	Solid	Moisture	
600-70262-41MS	EF-6	Total/NA	Solid	Moisture	
600-70262-42	E-18C	Total/NA	Solid	Moisture	
600-70262-43	EF-19	Total/NA	Solid	Moisture	
600-70262-43 DU	EF-19	Total/NA	Solid	Moisture	
600-70262-44	E-20C	Total/NA	Solid	Moisture	
600-70262-45	DE-20	Total/NA	Solid	Moisture	
600-70262-46	DE-19	Total/NA	Solid	Moisture	
600-70262-47	DE-19 Dup	Total/NA	Solid	Moisture	
600-70262-48	DE-17	Total/NA	Solid	Moisture	
600-70262-49	DE-18	Total/NA	Solid	Moisture	
600-70262-50	D-19C	Total/NA	Solid	Moisture	
600-70262-51	D-20C	Total/NA	Solid	Moisture	
600-70262-52	CD-19	Total/NA	Solid	Moisture	
600-70262-53	D-18C	Total/NA	Solid	Moisture	
600-70262-53 DU	D-18C	Total/NA	Solid	Moisture	
600-70262-54	CD-16	Total/NA	Solid	Moisture	
600-70262-55	C-18C	Total/NA	Solid	Moisture	
600-70262-56	BC-17	Total/NA	Solid	Moisture	
600-70262-56 MSD	BC-17	Total/NA	Solid	Moisture	
600-70262-56MS	BC-17	Total/NA	Solid	Moisture	
600-70262-57	FG-18	Total/NA	Solid	Moisture	
600-70262-59	FG-20	Total/NA	Solid	Moisture	
600-70262-60	H-20C	Total/NA	Solid	Moisture	
600-70262-61	HI-19	Total/NA	Solid	Moisture	
600-70262-65	JK-20	Total/NA	Solid	Moisture	
600-70262-66	J-20C	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102097 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-67	I-18A3	Total/NA	Solid	Moisture	
600-70262-68	I-19C	Total/NA	Solid	Moisture	
600-70262-71	I-18A4	Total/NA	Solid	Moisture	
600-70262-71 DU	I-18A4	Total/NA	Solid	Moisture	

Analysis Batch: 102231

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-58	FG-19	Total/NA	Solid	Moisture	
600-70262-58 DU	FG-19	Total/NA	Solid	Moisture	
600-70262-64	FG-19 Dup	Total/NA	Solid	Moisture	
600-70262-69	I-18A1	Total/NA	Solid	Moisture	
600-70262-69 MS	I-18A1	Total/NA	Solid	Moisture	
600-70262-69 MSD	I-18A1	Total/NA	Solid	Moisture	
600-70262-70	I-18A1 Dup	Total/NA	Solid	Moisture	

Client Sample ID: AB-6

Lab Sample ID: 600-70262-1

Date Collected: 03/18/13 09:00

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 08:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: AB-7

Lab Sample ID: 600-70262-2

Date Collected: 03/18/13 09:10

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 08:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-8

Lab Sample ID: 600-70262-3

Date Collected: 03/18/13 09:15

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 08:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-7

Lab Sample ID: 600-70262-4

Date Collected: 03/18/13 09:20

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 08:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-6

Lab Sample ID: 600-70262-5

Date Collected: 03/18/13 09:45

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: BC-5

Lab Sample ID: 600-70262-6

Date Collected: 03/18/13 09:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-5

Lab Sample ID: 600-70262-7

Date Collected: 03/18/13 09:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-6

Lab Sample ID: 600-70262-8

Date Collected: 03/18/13 10:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-7

Lab Sample ID: 600-70262-9

Date Collected: 03/18/13 10:08
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EF-17

Lab Sample ID: 600-70262-10

Date Collected: 03/18/13 11:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EF-17 Dup

Lab Sample ID: 600-70262-11

Date Collected: 03/18/13 11:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: F-18C

Lab Sample ID: 600-70262-12

Date Collected: 03/18/13 11:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: F-19C

Lab Sample ID: 600-70262-13

Date Collected: 03/18/13 11:15
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: F-20C

Lab Sample ID: 600-70262-14

Date Collected: 03/18/13 11:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 77.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: F-21C

Lab Sample ID: 600-70262-15

Date Collected: 03/18/13 11:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: EF-21
Lab Sample ID: 600-70262-16

Date Collected: 03/18/13 11:35
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: E-21C
Lab Sample ID: 600-70262-17

Date Collected: 03/18/13 11:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-22
Lab Sample ID: 600-70262-18

Date Collected: 03/18/13 11:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:29	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-21
Lab Sample ID: 600-70262-19

Date Collected: 03/18/13 11:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-21C
Lab Sample ID: 600-70262-20

Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:37	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-21C Dup

Lab Sample ID: 600-70262-21

Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-22C

Lab Sample ID: 600-70262-22

Date Collected: 03/18/13 13:50
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 10:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-21

Lab Sample ID: 600-70262-23

Date Collected: 03/18/13 13:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:00	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: C-21C

Lab Sample ID: 600-70262-24

Date Collected: 03/18/13 14:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: C-22C

Lab Sample ID: 600-70262-25

Date Collected: 03/18/13 14:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-17

Lab Sample ID: 600-70262-26

Date Collected: 03/18/13 15:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-16

Lab Sample ID: 600-70262-27

Date Collected: 03/18/13 16:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 89.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-16 Dup

Lab Sample ID: 600-70262-28

Date Collected: 03/18/13 16:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:39	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: C-19

Lab Sample ID: 600-70262-29

Date Collected: 03/18/13 16:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102248	03/21/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 11:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: G-20C

Lab Sample ID: 600-70262-30

Date Collected: 03/18/13 17:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: G-19C

Lab Sample ID: 600-70262-31

Date Collected: 03/18/13 17:15
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:24	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: G-18C

Lab Sample ID: 600-70262-32

Date Collected: 03/18/13 17:20
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 86.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:28	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: GH-19

Lab Sample ID: 600-70262-33

Date Collected: 03/18/13 17:30
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: H-19C

Lab Sample ID: 600-70262-34

Date Collected: 03/18/13 17:40
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 81.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: HI-20

Lab Sample ID: 600-70262-35

Date Collected: 03/18/13 17:50
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 80.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: I-20C

Lab Sample ID: 600-70262-36

Date Collected: 03/18/13 17:55
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-5

Lab Sample ID: 600-70262-37

Date Collected: 03/18/13 09:40
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-6

Lab Sample ID: 600-70262-38

Date Collected: 03/18/13 09:45
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 08:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-7

Lab Sample ID: 600-70262-39

Date Collected: 03/18/13 09:55
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EF-7

Lab Sample ID: 600-70262-40

Date Collected: 03/18/13 10:05
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:07	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EF-6

Lab Sample ID: 600-70262-41

Date Collected: 03/18/13 10:10
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: E-18C

Lab Sample ID: 600-70262-42

Date Collected: 03/18/13 11:00
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 81.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EF-19

Lab Sample ID: 600-70262-43

Date Collected: 03/18/13 11:10
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:15	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: E-20C

Lab Sample ID: 600-70262-44

Date Collected: 03/18/13 11:20
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-20

Lab Sample ID: 600-70262-45

Date Collected: 03/18/13 11:30
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: DE-19

Lab Sample ID: 600-70262-46

Date Collected: 03/18/13 11:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:27	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-19 Dup

Lab Sample ID: 600-70262-47

Date Collected: 03/18/13 11:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-17

Lab Sample ID: 600-70262-48

Date Collected: 03/18/13 13:45
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: DE-18

Lab Sample ID: 600-70262-49

Date Collected: 03/18/13 13:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:39	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-19C

Lab Sample ID: 600-70262-50

Date Collected: 03/18/13 14:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:50	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 15:47	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-20C

Lab Sample ID: 600-70262-51

Date Collected: 03/18/13 14:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:54	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 15:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-19

Lab Sample ID: 600-70262-52

Date Collected: 03/18/13 15:25
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 12:58	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 15:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: D-18C

Lab Sample ID: 600-70262-53

Date Collected: 03/18/13 15:40
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:13	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: CD-16

Lab Sample ID: 600-70262-54

Date Collected: 03/18/13 15:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 94.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:17	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: C-18C

Lab Sample ID: 600-70262-55

Date Collected: 03/18/13 16:35
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:21	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: BC-17

Lab Sample ID: 600-70262-56

Date Collected: 03/18/13 16:15
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 62.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:25	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:29	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: FG-18

Lab Sample ID: 600-70262-57

Date Collected: 03/18/13 17:05
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:48	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: FG-19

Lab Sample ID: 600-70262-58

Date Collected: 03/18/13 17:15
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:52	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102231	03/21/13 14:56	KRD	TAL HOU

Client Sample ID: FG-20

Lab Sample ID: 600-70262-59

Date Collected: 03/18/13 17:20
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: H-20C

Lab Sample ID: 600-70262-60

Date Collected: 03/18/13 17:30
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 13:59	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: HI-19

Lab Sample ID: 600-70262-61

Date Collected: 03/18/13 17:35
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 96.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 14:03	DCL	TAL HOU
Total/NA	Prep	3050B			102745	03/28/13 10:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 16:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: EQ1

Lab Sample ID: 600-70262-62

Date Collected: 03/18/13 18:00
Matrix: Water
Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102151	03/21/13 08:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	102560	03/26/13 10:53	DCL	TAL HOU
Total/NA	Prep	3010A			102151	03/21/13 08:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	102598	03/26/13 14:47	DCL	TAL HOU

Client Sample ID: EQ2

Lab Sample ID: 600-70262-63

Date Collected: 03/18/13 18:05
Matrix: Water
Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102151	03/21/13 08:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	102560	03/26/13 10:55	DCL	TAL HOU

Client Sample ID: EQ2

Lab Sample ID: 600-70262-63

Date Collected: 03/18/13 18:05

Matrix: Water

Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102151	03/21/13 08:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	102598	03/26/13 14:50	DCL	TAL HOU

Client Sample ID: FG-19 Dup

Lab Sample ID: 600-70262-64

Date Collected: 03/18/13 17:15

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 88.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:16	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102231	03/21/13 14:56	KRD	TAL HOU

Client Sample ID: JK-20

Lab Sample ID: 600-70262-65

Date Collected: 03/19/13 08:45

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 91.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:20	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: J-20C

Lab Sample ID: 600-70262-66

Date Collected: 03/19/13 08:50

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 93.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:23	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: I-18A3

Lab Sample ID: 600-70262-67

Date Collected: 03/19/13 08:55

Matrix: Solid

Date Received: 03/20/13 09:11

Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:27	DCL	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: I-18A3

Lab Sample ID: 600-70262-67

Date Collected: 03/19/13 08:55
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: I-19C

Lab Sample ID: 600-70262-68

Date Collected: 03/19/13 09:10
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 97.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:31	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Client Sample ID: I-18A1

Lab Sample ID: 600-70262-69

Date Collected: 03/19/13 09:15
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:35	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102231	03/21/13 14:56	KRD	TAL HOU

Client Sample ID: I-18A1 Dup

Lab Sample ID: 600-70262-70

Date Collected: 03/19/13 09:15
Date Received: 03/20/13 09:11

Matrix: Solid
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 17:58	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102231	03/21/13 14:56	KRD	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Client Sample ID: I-18A4
Date Collected: 03/19/13 09:20
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70262-71
Matrix: Solid
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102890	03/29/13 18:02	DCL	TAL HOU
Total/NA	Prep	3050B			102768	03/28/13 14:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 12:34	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102097	03/20/13 14:50	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

THE LE/

600-70262 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
RSW LLC	Tim Nickels	3/19/13	225389
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 6**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: X Pb, Cd 6010	Special Instructions/ Conditions of Receipt
AB-6	3/18/13	0900				X	X						X	
AB-7		0910												
BC-8		0915												
BC-7		0920												
BC-6		0945												
BC-5		0950												
DE-5		0955												
DE-6		1005												
DE-7		1008												
EF-17		1105												
EF-17 Dup		1105												
F-18C		11:10												

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500	McCrea	3/19/13	1500
2.	McCrea	3/19/13	1730			
3.					03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

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Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225394
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 6
	512-671-3434		
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
F-19C	3/18/13	1115				X	X						X	
F-20C		1120												
F-21C		1130												
EF-21		1135												
E-21C		1145												
DE-22		1150												
DE-21		1155												
D-21C		1345												MS/MSD
D-21C Dup		1345												
D-22C		1350												
CD-21		1355												
C-21C		1405												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500	[signature]	3/19/13	1500
2.	[signature]	3/19/13	1730			
3.				[signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: ABW LLC	Project Manager: Tim Nickels	Date: 3/19/13	Chain of Custody Number: 225393
Address:	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 3 of 6
City:	State:	Zip Code:	Site Contact:	Lab Contact:
Project Name and Location (State): Eside VCP Investigation	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.:		

Analysis (Attach list if more space is needed): Pb by Cd 6010

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH
C-22c	3/18/13	1410				X	X					
CD-17		1555										
BC-16		1610										
BC-16 Dup		1610										
C-19		1630										
G-20c		1710										
G-19c		1715										
G-18C		1720										
GH-19		1730										
H-19C		1740										
HI-20		1750										
I-20C		1755										

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500	1. Received By:	3/19/13	1500
2. Relinquished By:	3/19/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225390
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 6
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb, Cd 6010	Special Instructions/ Conditions of Receipt
CD-5	3/18/13	0940				X	X						X	
CD-6		0945												
CD-7		0955												
EF-7		1005												
EF-6		1010												MS/MSD
E-18C		1100												
EF-19		1110												
E-20C		1120												
DE-20		1130												
DE-19		1140												
DE-19 Dup		1140												
DE-17		1345												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500	1. Received By:	3/19/13	1500
2. Relinquished By:	3/19/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225391
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 5 of 6
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb, Cd 6010	Special Instructions/ Conditions of Receipt
DE-18	3/18/13	1355				X	X						X	
D-19C		1410												
D-20C		1420												
CD-19		1525												
D-18C		1540												
CD-16		1555												
C-18C		1635												
BC-17		1615												MS/MSD
FG-18		1705												
FG-19		1715												
FG-20		1720												
H-20C		1730												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
Temp -13

	Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500
2. Relinquished By: [signature]	3/19/13	1730
3. Relinquished By:	Date	Time
1. Received By: [signature]	3/19/13	1520
2. Received By:	Date	Time
3. Received By: [signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225392
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 6 of 6
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Cd, Pb 6010	Special Instructions/ Conditions of Receipt
MI-19	3/18/13	1735				X	X						X	
EQ1		1800		X					X					
EQ2		1805		X					X					
FB-19 Dup		1715				X			X				X	
JK-20	3/19/13	0845												
J-20C		0850												
I-18A3		0855												
I-19C		0910												
I-18A1		0915												MS/MSD
I-18A1 Dup		0915												
I-18A4 ~~0920~~		0920												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500
2. Relinquished By: [signature]	3/19/13	1730
3. Relinquished By		

	Date	Time
1. Received By: [signature]	3/19/13	1500
2. Received By		
3. Received By: [signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-1

Login Number: 70262

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	17.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70262-2
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/7/2013 12:09:27 PM
Cathy Upton, Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70262

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Donnie Combs		4/29/13
Name (printed)	Signature	Date
Quality Control Assistant		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/26/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262-2
Reviewer Name: TWR	Prep Batch Number(s): 600-102224- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/26/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262-2
Reviewer Name: TWR	Prep Batch Number(s): 600-102224- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/26/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70262-2
Reviewer Name: TWR	Prep Batch Number(s): 600-102224- ICP

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70262-2

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70262-2

Comments
The report was revised on 05/07/13 to report the Moisture data from the original analysis.

Receipt
The samples were received on 3/20/2013 9:11 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 17.1° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70262-7	DE-5	Solid	03/18/13 09:55	03/20/13 09:11
600-70262-8	DE-6	Solid	03/18/13 10:05	03/20/13 09:11
600-70262-9	DE-7	Solid	03/18/13 10:08	03/20/13 09:11
600-70262-40	EF-7	Solid	03/18/13 10:05	03/20/13 09:11
600-70262-41	EF-6	Solid	03/18/13 10:10	03/20/13 09:11

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-2

Client Sample ID: DE-5 — **Lab Sample ID: 600-70262-7**
Date Collected: 03/18/13 09:55 — **Matrix: Solid**
Date Received: 03/20/13 09:11 — **Percent Solids: 82.7**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	17.0		1.18	0.258	mg/Kg	☼	03/21/13 14:27	03/22/13 09:11	1

Client Sample ID: DE-6 — **Lab Sample ID: 600-70262-8**
Date Collected: 03/18/13 10:05 — **Matrix: Solid**
Date Received: 03/20/13 09:11 — **Percent Solids: 78.9**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	24.1		1.26	0.274	mg/Kg	☼	03/21/13 14:27	03/22/13 09:13	1

Client Sample ID: DE-7 — **Lab Sample ID: 600-70262-9**
Date Collected: 03/18/13 10:08 — **Matrix: Solid**
Date Received: 03/20/13 09:11 — **Percent Solids: 81.2**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	21.8		1.14	0.248	mg/Kg	☼	03/21/13 14:27	03/22/13 09:16	1

Client Sample ID: EF-7 — **Lab Sample ID: 600-70262-40**
Date Collected: 03/18/13 10:05 — **Matrix: Solid**
Date Received: 03/20/13 09:11 — **Percent Solids: 87.4**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	7.87		1.13	0.247	mg/Kg	☼	03/28/13 09:10	03/29/13 09:07	1

Client Sample ID: EF-6 — **Lab Sample ID: 600-70262-41**
Date Collected: 03/18/13 10:10 — **Matrix: Solid**
Date Received: 03/20/13 09:11 — **Percent Solids: 73.0**

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.2		1.33	0.290	mg/Kg	☼	03/28/13 09:10	03/29/13 09:11	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102224/1-A
Matrix: Solid
Analysis Batch: 102297

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102224

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		03/21/13 14:27	03/22/13 08:35	1

Lab Sample ID: LCSSRM 600-102224/2-A
Matrix: Solid
Analysis Batch: 102297

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102224

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	168	171.3		mg/Kg		102.0	83.3 - 117.3

Lab Sample ID: MB 600-102734/1-A
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102734

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		03/28/13 09:10	03/29/13 07:23	1

Lab Sample ID: LCSSRM 600-102734/2-A
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	168	156.6		mg/Kg		93.2	83.3 - 117.3

Lab Sample ID: 600-70262-41 MS
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.2		65.8	64.15		mg/Kg	☼	82	75 - 125

Lab Sample ID: 600-70262-41 MSD
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	10.2		64.0	69.12		mg/Kg	☼	92	75 - 125	7	20

Lab Sample ID: 600-70262-41 DU
Matrix: Solid
Analysis Batch: 102816

Client Sample ID: EF-6
Prep Type: Total/NA
Prep Batch: 102734

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	10.2		9.082		mg/Kg	☼	12	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-2

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Arsenic	1.00	0.218	mg/Kg	6010B

Metals

Prep Batch: 102224

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-7	DE-5	Total/NA	Solid	3050B	
600-70262-8	DE-6	Total/NA	Solid	3050B	
600-70262-9	DE-7	Total/NA	Solid	3050B	
LCSSRM 600-102224/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102224/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102297

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-7	DE-5	Total/NA	Solid	6010B	102224
600-70262-8	DE-6	Total/NA	Solid	6010B	102224
600-70262-9	DE-7	Total/NA	Solid	6010B	102224
LCSSRM 600-102224/2-A	Lab Control Sample	Total/NA	Solid	6010B	102224
MB 600-102224/1-A	Method Blank	Total/NA	Solid	6010B	102224

Prep Batch: 102734

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-40	EF-7	Total/NA	Solid	3050B	
600-70262-41	EF-6	Total/NA	Solid	3050B	
600-70262-41 DU	EF-6	Total/NA	Solid	3050B	
600-70262-41 MS	EF-6	Total/NA	Solid	3050B	
600-70262-41 MSD	EF-6	Total/NA	Solid	3050B	
LCSSRM 600-102734/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102734/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70262-40	EF-7	Total/NA	Solid	6010B	102734
600-70262-41	EF-6	Total/NA	Solid	6010B	102734
600-70262-41 DU	EF-6	Total/NA	Solid	6010B	102734
600-70262-41 MS	EF-6	Total/NA	Solid	6010B	102734
600-70262-41 MSD	EF-6	Total/NA	Solid	6010B	102734
LCSSRM 600-102734/2-A	Lab Control Sample	Total/NA	Solid	6010B	102734
MB 600-102734/1-A	Method Blank	Total/NA	Solid	6010B	102734

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70262-2

Client Sample ID: DE-5

Lab Sample ID: 600-70262-7

Date Collected: 03/18/13 09:55
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 82.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:11	DCL	TAL HOU

Client Sample ID: DE-6

Lab Sample ID: 600-70262-8

Date Collected: 03/18/13 10:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 78.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:13	DCL	TAL HOU

Client Sample ID: DE-7

Lab Sample ID: 600-70262-9

Date Collected: 03/18/13 10:08
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 81.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102224	03/21/13 14:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102297	03/22/13 09:16	DCL	TAL HOU

Client Sample ID: EF-7

Lab Sample ID: 600-70262-40

Date Collected: 03/18/13 10:05
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:07	DCL	TAL HOU

Client Sample ID: EF-6

Lab Sample ID: 600-70262-41

Date Collected: 03/18/13 10:10
Matrix: Solid
Date Received: 03/20/13 09:11
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102734	03/28/13 09:10	NER	TAL HOU
Total/NA	Analysis	6010B		1	102816	03/29/13 09:11	DCL	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-70262-2
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

THE LE/

600-70262 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
RSW LLC	Tim Nickels	3/19/13	225389
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 6**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis: X Pb, Cd 6010	Special Instructions/ Conditions of Receipt
AB-6	3/18/13	0900				X	X						X	
AB-7		0910												
BC-8		0915												
BC-7		0920												
BC-6		0945												
BC-5		0950												
DE-5		0955												
DE-6		1005												
DE-7		1008												
EF-17		1105												
EF-17 Dup		1105												
F-18C		11:10												

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500	McConn	3/19/13	1500
2.	McConn	3/19/13	1730			
3.					03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/7/2013

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Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225394
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 6**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
F-19C	3/18/13	1115				X	X						X	
F-20C		1120												
F-21C		1130												
EF-21		1135												
E-21C		1145												
DE-22		1150												
DE-21		1155												
D-21C		1345												MS/MSD
D-21C Dup		1345												
D-22C		1350												
CD-21		1355												
C-21C		1405												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500	[signature]	3/19/13	1500
2.	[signature]	3/19/13	1730			
3.				[signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/7/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
ABW LLC	Tim Nickels	3/19/13	225393
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 6**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Eside VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Pb by Cd 6010	Special Instructions/ Conditions of Receipt
C-22c	3/18/13	1410				X	X						X	
CD-17		1555												
BC-16		1610												
BC-16 Dup		1610												
C-19		1630												
G-20c		1710												
G-19c		1715												
G-18C		1720												
GH-19		1730												
H-19C		1740												
HI-20		1750												
I-20C		1755												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500		3/19/13	1500
2.		3/19/13	1730			
3.					03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225390
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 6
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb, Cd 6010	Special Instructions/ Conditions of Receipt
CD-5	3/18/13	0940				X	X						X	
CD-6		0945												
CD-7		0955												
EF-7		1005												
EF-6		1010												MS/MSD
E-18C		1100												
EF-19		1110												
E-20C		1120												
DE-20		1130												
DE-19		1140												
DE-19 Dup		1140												
DE-17		1345												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/19/13	1500		3/19/13	1500
2.		3/19/13	1730			
3.					03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/7/2013

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Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225391
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 5 of 6
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dx, Cd 6010	Special Instructions/ Conditions of Receipt
DE-18	3/18/13	1355				X	X						X	
D-19C		1410												
D-20C		1420												
CD-19		1525												
D-18C		1540												
CD-16		1555												
C-18C		1635												
BC-17		1615												MS/MSD
FG-18		1705												
FG-19		1715												
FG-20		1720												
H-20C		1730												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
Temp -13

	Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500
2. Relinquished By: [signature]	3/19/13	1730
3. Relinquished By:	Date	Time
1. Received By: [signature]	3/19/13	1520
2. Received By:	Date	Time
3. Received By: [signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/7/2013

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Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/19/13	225392
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 6 of 6**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Cd, Pb 6010	Special Instructions/ Conditions of Receipt
MI-19	3/18/13	1735				X	X						X	
EQ1		1800		X					X					
EQ2		1805		X					X					
FB-19 Dup		1715				X			X				X	
JK-20	3/19/13	0845												
J-20C		0850												
I-18A3		0855												
I-19C		0910												
I-18A1		0915												MS/MSD
I-18A1 Dup		0915												
I-18A4 ~~0900~~		0920												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/19/13	1500	1. Received By: [signature]	3/19/13	1500
2. Relinquished By: [signature]	3/19/13	1730	2. Received By		
3. Relinquished By			3. Received By: [signature]	03/20/13	0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/7/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70262-2

Login Number: 70262

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	17.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70373-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 2

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:06:30 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70373-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70373
Reviewer Name: TWR	Prep Batch Number: 600-102296(w), 102784, 102972, 102994, 103004, 103017, 103031, 103054(s)- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			4
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				5
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70373
Reviewer Name: TWR	Prep Batch Number(s): 600-102296(w), 102784, 102972, 102994, 103004, 103017, 103031, 103054(s)- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			6
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			7
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70373
Reviewer Name: TWR	Prep Batch Number(s): 600-102296(w), 102784, 102972, 102994, 103004, 103017, 103031, 103054(s)- ICP

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	The lead recoveries in samples 70373-10 MS and MSD, 70373-21 MS and MSD and 70373-25 MS and MSD were outside acceptance limits, but were not flagged due to the background sample result being greater than four times the spike added concentration. The lead recoveries in samples 70373-12 MSD, 70373-43 MS, 70373-87 MSD and 70373-112 MSD; and the cadmium recoveries in samples 70373-40 MS and MSD, 70373-43 MS and MSD were outside acceptance limits due to matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
3	The lead RPD between samples 70373-12 MS and MSD and the cadmium RPD between samples 70373-87 MS and MSD were above acceptance limits due to the non-homogenous nature of the samples.
4	The cadmium RPD between samples 70373-25 and 70373-25 MD and the lead RPD between samples 70373-40 and 70373-40 MD were above acceptance limits due to the non-homogenous nature of the samples.
5	The lead SDLs were elevated in samples 70373-20 and 56 due to the dilution necessary to bring this analyte to within linear dynamic range.
6	The cadmium Percent Difference in the CCV analyzed on 04/02/13 at 16:32 was above acceptance limits. Since this analyte was not detected in the associated client samples, no corrective action was required.
7	The recoveries in sample 70373-40 PDS were below acceptance limits due to matrix interference. The lead percent difference between samples 70373-40 and 70373-40 SD as well as between 70373-108 and 70373-108 SD was above acceptance limits due to matrix interference.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-70373-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70373-1

Comments
The report was revised on 04/18/13 to update the sample ID and again on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/21/2013 8:58 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 16.8º C and 17.4º C.

Except:

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: K-5C Dup and JK-5.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70373-1	K-18C	Solid	03/19/13 09:45	03/21/13 08:58
600-70373-2	JK-18	Solid	03/19/13 09:50	03/21/13 08:58
600-70373-3	JK-17	Solid	03/19/13 09:50	03/21/13 08:58
600-70373-4	JK-16	Solid	03/19/13 09:55	03/21/13 08:58
600-70373-5	JK-15	Solid	03/19/13 10:05	03/21/13 08:58
600-70373-6	IJ-15	Solid	03/19/13 10:30	03/21/13 08:58
600-70373-7	L-16A4	Solid	03/19/13 10:40	03/21/13 08:58
600-70373-8	L-16A3	Solid	03/19/13 10:45	03/21/13 08:58
600-70373-9	M-16A4	Solid	03/19/13 10:55	03/21/13 08:58
600-70373-10	N-16A1	Solid	03/19/13 11:00	03/21/13 08:58
600-70373-11	N-16A1 DUP	Solid	03/19/13 11:00	03/21/13 08:58
600-70373-12	N-16A2	Solid	03/19/13 11:15	03/21/13 08:58
600-70373-13	Q-14/15	Solid	03/19/13 11:40	03/21/13 08:58
600-70373-14	Q-12/13	Solid	03/19/13 11:45	03/21/13 08:58
600-70373-15	Q-11C	Solid	03/19/13 11:55	03/21/13 08:58
600-70373-16	Q-10C	Solid	03/19/13 12:05	03/21/13 08:58
600-70373-17	Q-12C	Solid	03/19/13 12:10	03/21/13 08:58
600-70373-18	Q-13C	Solid	03/19/13 12:15	03/21/13 08:58
600-70373-19	QR-16	Solid	03/19/13 14:20	03/21/13 08:58
600-70373-20	O-15A15	Solid	03/19/13 14:25	03/21/13 08:58
600-70373-21	O-15A16	Solid	03/19/13 14:30	03/21/13 08:58
600-70373-22	O-15A16 DUP	Solid	03/19/13 14:30	03/21/13 08:58
600-70373-23	O-15A13	Solid	03/19/13 14:35	03/21/13 08:58
600-70373-24	O-15A14	Solid	03/19/13 14:40	03/21/13 08:58
600-70373-25	O-15A3	Solid	03/19/13 14:50	03/21/13 08:58
600-70373-26	O-15A4	Solid	03/19/13 15:20	03/21/13 08:58
600-70373-27	O-15A2	Solid	03/19/13 15:30	03/21/13 08:58
600-70373-28	NO-16	Solid	03/19/13 15:30	03/21/13 08:58
600-70373-29	P-17C	Solid	03/19/13 15:40	03/21/13 08:58
600-70373-30	PQ-16	Solid	03/19/13 15:45	03/21/13 08:58
600-70373-31	O-18	Solid	03/19/13 16:00	03/21/13 08:58
600-70373-32	NO-17	Solid	03/19/13 16:05	03/21/13 08:58
600-70373-33	NO-17 DUP	Solid	03/19/13 16:05	03/21/13 08:58
600-70373-34	N-18C	Solid	03/19/13 16:10	03/21/13 08:58
600-70373-35	L-19C	Solid	03/19/13 16:15	03/21/13 08:58
600-70373-36	M-18C	Solid	03/19/13 16:30	03/21/13 08:58
600-70373-37	HI-15	Solid	03/19/13 16:50	03/21/13 08:58
600-70373-38	N-18/19	Solid	03/19/13 17:05	03/21/13 08:58
600-70373-39	M-19C	Solid	03/19/13 17:10	03/21/13 08:58
600-70373-40	LM-19	Solid	03/19/13 17:15	03/21/13 08:58
600-70373-41	L-20C	Solid	03/19/13 17:25	03/21/13 08:58
600-70373-42	L-20C DUP	Solid	03/19/13 17:25	03/21/13 08:58
600-70373-43	K-19C	Solid	03/19/13 17:50	03/21/13 08:58
600-70373-44	K-20C	Solid	03/19/13 18:00	03/21/13 08:58
600-70373-45	GH-16	Solid	03/19/13 08:40	03/21/13 08:58
600-70373-46	GH-17	Solid	03/19/13 08:50	03/21/13 08:58
600-70373-47	H-18C	Solid	03/19/13 09:00	03/21/13 08:58
600-70373-48	HI-17	Solid	03/19/13 09:10	03/21/13 08:58
600-70373-49	I-18C	Solid	03/19/13 09:20	03/21/13 08:58
600-70373-50	I-18A2	Solid	03/19/13 09:40	03/21/13 08:58
600-70373-51	I-18A2 DUP	Solid	03/19/13 09:40	03/21/13 08:58
600-70373-52	HI-16	Solid	03/19/13 09:50	03/21/13 08:58
600-70373-53	IJ-16	Solid	03/19/13 10:00	03/21/13 08:58

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70373-54	J-18C	Solid	03/19/13 10:10	03/21/13 08:58
600-70373-55	KL-15	Solid	03/19/13 10:35	03/21/13 08:58
600-70373-56	L-16A1	Solid	03/19/13 10:45	03/21/13 08:58
600-70373-57	L-16A2	Solid	03/19/13 10:55	03/21/13 08:58
600-70373-58	NO-14	Solid	03/19/13 11:10	03/21/13 08:58
600-70373-59	O-15C	Solid	03/19/13 11:30	03/21/13 08:58
600-70373-60	O-15A5	Solid	03/19/13 11:35	03/21/13 08:58
600-70373-61	O-15A8	Solid	03/19/13 11:45	03/21/13 08:58
600-70373-62	O-15A8 DUP	Solid	03/19/13 11:45	03/21/13 08:58
600-70373-63	O-15A10	Solid	03/19/13 11:55	03/21/13 08:58
600-70373-64	P-15C	Solid	03/19/13 12:00	03/21/13 08:58
600-70373-65	O-14C	Solid	03/19/13 12:10	03/21/13 08:58
600-70373-66	O-13C	Solid	03/19/13 14:20	03/21/13 08:58
600-70373-67	NO-13	Solid	03/19/13 14:30	03/21/13 08:58
600-70373-68	P-14C	Solid	03/19/13 14:45	03/21/13 08:58
600-70373-69	PQ-14	Solid	03/19/13 14:50	03/21/13 08:58
600-70373-70	Q-14C	Solid	03/19/13 15:00	03/21/13 08:58
600-70373-71	PQ-13	Solid	03/19/13 15:05	03/21/13 08:58
600-70373-72	P-13C	Solid	03/19/13 15:15	03/21/13 08:58
600-70373-73	P-13C DUP	Solid	03/19/13 15:15	03/21/13 08:58
600-70373-74	O-12C	Solid	03/19/13 15:30	03/21/13 08:58
600-70373-75	OP-12	Solid	03/19/13 15:40	03/21/13 08:58
600-70373-76	PQ-12	Solid	03/19/13 15:45	03/21/13 08:58
600-70373-77	P-12C	Solid	03/19/13 15:50	03/21/13 08:58
600-70373-78	PQ-11	Solid	03/19/13 16:05	03/21/13 08:58
600-70373-79	P-11C	Solid	03/19/13 16:15	03/21/13 08:58
600-70373-80	PQ-9	Solid	03/19/13 16:25	03/21/13 08:58
600-70373-81	O-11C	Solid	03/19/13 16:35	03/21/13 08:58
600-70373-82	OP-10	Solid	03/19/13 16:50	03/21/13 08:58
600-70373-83	MN-9	Solid	03/19/13 17:00	03/21/13 08:58
600-70373-84	MN-9 DUP	Solid	03/19/13 17:00	03/21/13 08:58
600-70373-85	M-8C	Solid	03/19/13 17:10	03/21/13 08:58
600-70373-86	LM-9	Solid	03/19/13 17:20	03/21/13 08:58
600-70373-87	LM-10	Solid	03/19/13 17:30	03/21/13 08:58
600-70373-88	L-18C	Solid	03/19/13 18:00	03/21/13 08:58
600-70373-89	EQ-3	Water	03/19/13 18:15	03/21/13 08:58
600-70373-90	EQ-4	Water	03/19/13 18:15	03/21/13 08:58
600-70373-91	Q-10/11	Solid	03/20/13 08:40	03/21/13 08:58
600-70373-92	P-9C	Solid	03/20/13 08:50	03/21/13 08:58
600-70373-93	OP-8	Solid	03/20/13 08:55	03/21/13 08:58
600-70373-94	O-8C	Solid	03/20/13 09:00	03/21/13 08:58
600-70373-95	NO-7	Solid	03/20/13 09:05	03/21/13 08:58
600-70373-96	N-7C	Solid	03/20/13 09:10	03/21/13 08:58
600-70373-97	NO-8	Solid	03/20/13 09:25	03/21/13 08:58
600-70373-98	N-8C	Solid	03/20/13 09:30	03/21/13 08:58
600-70373-99	MN-6	Solid	03/20/13 09:40	03/21/13 08:58
600-70373-100	M-6C	Solid	03/20/13 09:45	03/21/13 08:58
600-70373-101	M-6C DUP	Solid	03/20/13 09:45	03/21/13 08:58
600-70373-102	LM-5	Solid	03/20/13 09:55	03/21/13 08:58
600-70373-103	M-7C	Solid	03/20/13 10:00	03/21/13 08:58
600-70373-104	L-5C	Solid	03/20/13 10:15	03/21/13 08:58
600-70373-105	L-4C	Solid	03/20/13 10:20	03/21/13 08:58
600-70373-106	L-3C	Solid	03/20/13 10:25	03/21/13 08:58

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70373-107	L-2C	Solid	03/20/13 10:30	03/21/13 08:58
600-70373-108	KL-1	Solid	03/20/13 10:35	03/21/13 08:58
600-70373-109	K-2C	Solid	03/20/13 10:40	03/21/13 08:58
600-70373-110	K-3C	Solid	03/20/13 10:45	03/21/13 08:58
600-70373-111	KL-3	Solid	03/20/13 10:50	03/21/13 08:58
600-70373-112	JK-2	Solid	03/20/13 11:05	03/21/13 08:58
600-70373-113	JK-2 DUP	Solid	03/20/13 11:05	03/21/13 08:58
600-70373-114	JK-3	Solid	03/20/13 11:10	03/21/13 08:58
600-70373-115	JK-4	Solid	03/20/13 11:15	03/21/13 08:58
600-70373-116	K-4C	Solid	03/20/13 11:20	03/21/13 08:58
600-70373-117	K-5C	Solid	03/20/13 11:25	03/21/13 08:58
600-70373-120	M-5C	Solid	03/20/13 11:55	03/21/13 08:58
600-70373-121	LM-4	Solid	03/20/13 12:00	03/21/13 08:58
600-70373-122	LM-3	Solid	03/20/13 12:05	03/21/13 08:58
600-70373-123	LM-2	Solid	03/20/13 12:10	03/21/13 08:58
600-70373-124	LM-1	Solid	03/20/13 12:15	03/21/13 08:58

Client Sample ID: K-18C

Lab Sample ID: 600-70373-1
Date Collected: 03/19/13 09:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.25		0.307	0.0315	mg/Kg	☼	03/28/13 16:33	04/01/13 15:31	1
Lead	142		0.613	0.129	mg/Kg	☼	03/28/13 16:33	04/01/13 15:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	78		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: JK-18

Lab Sample ID: 600-70373-2
Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.439		0.268	0.0275	mg/Kg	☼	03/28/13 16:33	04/01/13 15:33	1
Lead	44.9		0.535	0.112	mg/Kg	☼	03/28/13 16:33	04/01/13 15:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: JK-17

Lab Sample ID: 600-70373-3
Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.644		0.282	0.0290	mg/Kg	☼	03/28/13 16:33	04/01/13 15:36	1
Lead	84.0		0.565	0.118	mg/Kg	☼	03/28/13 16:33	04/01/13 15:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: JK-16

Lab Sample ID: 600-70373-4
Date Collected: 03/19/13 09:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.852		0.288	0.0295	mg/Kg	☼	03/28/13 16:33	04/01/13 15:38	1
Lead	86.5		0.576	0.121	mg/Kg	☼	03/28/13 16:33	04/01/13 15:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	80		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: JK-15

Lab Sample ID: 600-70373-5
Date Collected: 03/19/13 10:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.31		0.270	0.0276	mg/Kg	☼	03/28/13 16:33	04/01/13 15:41	1
Lead	200		0.539	0.113	mg/Kg	☼	03/28/13 16:33	04/01/13 15:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: IJ-15

Lab Sample ID: 600-70373-6
Date Collected: 03/19/13 10:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.07		0.286	0.0294	mg/Kg	☼	03/28/13 16:33	04/01/13 15:43	1
Lead	426		0.573	0.120	mg/Kg	☼	03/28/13 16:33	04/01/13 15:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	82		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-16A4

Lab Sample ID: 600-70373-7
Date Collected: 03/19/13 10:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	11.1		0.268	0.0275	mg/Kg	☼	03/28/13 16:33	04/01/13 15:46	1
Lead	858		0.536	0.112	mg/Kg	☼	03/28/13 16:33	04/01/13 15:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-16A3

Lab Sample ID: 600-70373-8
Date Collected: 03/19/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	10.4		0.300	0.0308	mg/Kg	☼	03/28/13 16:33	04/01/13 15:48	1
Lead	2740		0.600	0.126	mg/Kg	☼	03/28/13 16:33	04/01/13 15:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	82		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: M-16A4

Lab Sample ID: 600-70373-9
Date Collected: 03/19/13 10:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 76.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.90		0.308	0.0316	mg/Kg	☼	03/28/13 16:33	04/01/13 15:51	1
Lead	603		0.616	0.129	mg/Kg	☼	03/28/13 16:33	04/01/13 15:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	77		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: N-16A1

Lab Sample ID: 600-70373-10
Date Collected: 03/19/13 11:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 91.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.05		0.261	0.0267	mg/Kg	☼	03/28/13 16:33	04/01/13 15:09	1
Lead	354		0.521	0.109	mg/Kg	☼	03/28/13 16:33	04/01/13 15:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.6		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	91		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: N-16A1 DUP

Lab Sample ID: 600-70373-11
Date Collected: 03/19/13 11:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.49		0.253	0.0260	mg/Kg	☼	03/28/13 16:33	04/01/13 15:53	1
Lead	345		0.506	0.106	mg/Kg	☼	03/28/13 16:33	04/01/13 15:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	92		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: N-16A2

Lab Sample ID: 600-70373-12
Date Collected: 03/19/13 11:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 93.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.528		0.249	0.0255	mg/Kg	☼	03/28/13 16:33	04/01/13 16:03	1
Lead	64.7		0.498	0.104	mg/Kg	☼	03/28/13 16:33	04/01/13 16:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.0		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	93		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-14/15

Lab Sample ID: 600-70373-13
Date Collected: 03/19/13 11:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.562		0.265	0.0272	mg/Kg	☼	03/28/13 16:33	04/01/13 16:13	1
Lead	90.4		0.530	0.111	mg/Kg	☼	03/28/13 16:33	04/01/13 16:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-12/13

Lab Sample ID: 600-70373-14
Date Collected: 03/19/13 11:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.710		0.288	0.0296	mg/Kg	☼	03/28/13 16:33	04/01/13 16:16	1
Lead	77.1		0.577	0.121	mg/Kg	☼	03/28/13 16:33	04/01/13 16:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-11C

Lab Sample ID: 600-70373-15
Date Collected: 03/19/13 11:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.454		0.267	0.0274	mg/Kg	☼	03/28/13 16:33	04/01/13 16:18	1
Lead	60.8		0.534	0.112	mg/Kg	☼	03/28/13 16:33	04/01/13 16:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-10C

Lab Sample ID: 600-70373-16
Date Collected: 03/19/13 12:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.736		0.292	0.0299	mg/Kg	☼	03/28/13 16:33	04/01/13 16:21	1
Lead	105		0.584	0.122	mg/Kg	☼	03/28/13 16:33	04/01/13 16:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-12C

Lab Sample ID: 600-70373-17
Date Collected: 03/19/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.768		0.258	0.0264	mg/Kg	☼	03/28/13 16:33	04/01/13 16:23	1
Lead	76.7		0.516	0.108	mg/Kg	☼	03/28/13 16:33	04/01/13 16:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	90		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-13C

Lab Sample ID: 600-70373-18
Date Collected: 03/19/13 12:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.07		0.279	0.0286	mg/Kg	☼	03/28/13 16:33	04/01/13 16:26	1
Lead	90.9		0.558	0.117	mg/Kg	☼	03/28/13 16:33	04/01/13 16:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	90		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: QR-16

Lab Sample ID: 600-70373-19
Date Collected: 03/19/13 14:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.242	J	0.303	0.0310	mg/Kg	☼	04/01/13 14:01	04/02/13 10:56	1
Lead	36.1		0.605	0.127	mg/Kg	☼	04/01/13 14:01	04/02/13 10:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A15

Lab Sample ID: 600-70373-20
Date Collected: 03/19/13 14:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 95.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	16.8		0.256	0.0263	mg/Kg	☼	04/01/13 14:01	04/02/13 10:59	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3080		5.13	1.08	mg/Kg	☼	04/01/13 14:01	04/02/13 14:05	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.4		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A15
Lab Sample ID: 600-70373-20
Date Collected: 03/19/13 14:25
Matrix: Solid
Date Received: 03/21/13 08:58

General Chemistry (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	96		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A16
Lab Sample ID: 600-70373-21
Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.71		0.287	0.0295	mg/Kg	☼	04/01/13 14:01	04/02/13 11:01	1
Lead	280		0.574	0.120	mg/Kg	☼	04/01/13 14:01	04/02/13 11:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A16 DUP
Lab Sample ID: 600-70373-22
Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.20		0.295	0.0302	mg/Kg	☼	04/01/13 14:01	04/02/13 11:11	1
Lead	358		0.589	0.124	mg/Kg	☼	04/01/13 14:01	04/02/13 11:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A13
Lab Sample ID: 600-70373-23
Date Collected: 03/19/13 14:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.51		0.267	0.0273	mg/Kg	☼	04/01/13 14:01	04/02/13 11:14	1
Lead	231		0.533	0.112	mg/Kg	☼	04/01/13 14:01	04/02/13 11:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A14
Lab Sample ID: 600-70373-24
Date Collected: 03/19/13 14:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.63		0.295	0.0303	mg/Kg	☼	04/01/13 14:01	04/02/13 11:23	1

Client Sample ID: O-15A14

Lab Sample ID: 600-70373-24

Date Collected: 03/19/13 14:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.9

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	311		0.590	0.124	mg/Kg	☼	04/01/13 14:01	04/02/13 11:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	80		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A3

Lab Sample ID: 600-70373-25

Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.47		0.306	0.0314	mg/Kg	☼	04/01/13 14:01	04/02/13 11:26	1
Lead	520		0.612	0.128	mg/Kg	☼	04/01/13 14:01	04/02/13 11:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	77		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A4

Lab Sample ID: 600-70373-26

Date Collected: 03/19/13 15:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.955		0.275	0.0282	mg/Kg	☼	04/01/13 14:01	04/02/13 11:36	1
Lead	147		0.549	0.115	mg/Kg	☼	04/01/13 14:01	04/02/13 11:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A2

Lab Sample ID: 600-70373-27

Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.45		0.288	0.0295	mg/Kg	☼	04/01/13 14:01	04/02/13 11:38	1
Lead	261		0.575	0.121	mg/Kg	☼	04/01/13 14:01	04/02/13 11:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: NO-16

Lab Sample ID: 600-70373-28

Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 95.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.940		0.240	0.0246	mg/Kg	☼	04/01/13 14:01	04/02/13 11:41	1
Lead	139		0.480	0.101	mg/Kg	☼	04/01/13 14:01	04/02/13 11:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.4		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	96		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-17C

Lab Sample ID: 600-70373-29

Date Collected: 03/19/13 15:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 91.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.267		0.252	0.0258	mg/Kg	☼	04/01/13 14:01	04/02/13 11:44	1
Lead	36.0		0.504	0.106	mg/Kg	☼	04/01/13 14:01	04/02/13 11:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	8.1		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	92		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-16

Lab Sample ID: 600-70373-30

Date Collected: 03/19/13 15:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.619		0.271	0.0278	mg/Kg	☼	04/01/13 14:01	04/02/13 11:46	1
Lead	86.7		0.543	0.114	mg/Kg	☼	04/01/13 14:01	04/02/13 11:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-18

Lab Sample ID: 600-70373-31

Date Collected: 03/19/13 16:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.303		0.266	0.0273	mg/Kg	☼	04/01/13 14:01	04/02/13 11:56	1
Lead	47.5		0.532	0.111	mg/Kg	☼	04/01/13 14:01	04/02/13 11:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	90		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: NO-17

Lab Sample ID: 600-70373-32
Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.447		0.276	0.0283	mg/Kg	☼	04/01/13 14:01	04/02/13 11:58	1
Lead	67.6		0.551	0.116	mg/Kg	☼	04/01/13 14:01	04/02/13 11:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: NO-17 DUP

Lab Sample ID: 600-70373-33
Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.472		0.292	0.0299	mg/Kg	☼	04/01/13 14:01	04/02/13 12:01	1
Lead	68.6		0.583	0.122	mg/Kg	☼	04/01/13 14:01	04/02/13 12:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: N-18C

Lab Sample ID: 600-70373-34
Date Collected: 03/19/13 16:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.375		0.261	0.0267	mg/Kg	☼	04/01/13 14:01	04/02/13 12:03	1
Lead	64.8		0.521	0.109	mg/Kg	☼	04/01/13 14:01	04/02/13 12:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.5		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	91		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-19C

Lab Sample ID: 600-70373-35
Date Collected: 03/19/13 16:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.112	J	0.266	0.0272	mg/Kg	☼	04/01/13 14:01	04/02/13 12:06	1
Lead	33.3		0.531	0.111	mg/Kg	☼	04/01/13 14:01	04/02/13 12:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.5		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	91		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: M-18C

Lab Sample ID: 600-70373-36

Date Collected: 03/19/13 16:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.908		0.293	0.0301	mg/Kg	☼	04/01/13 14:01	04/02/13 12:09	1
Lead	108		0.586	0.123	mg/Kg	☼	04/01/13 14:01	04/02/13 12:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	81		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: HI-15

Lab Sample ID: 600-70373-37

Date Collected: 03/19/13 16:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.41		0.285	0.0293	mg/Kg	☼	04/01/13 14:01	04/02/13 12:11	1
Lead	982		0.570	0.120	mg/Kg	☼	04/01/13 14:01	04/02/13 12:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: N-18/19

Lab Sample ID: 600-70373-38

Date Collected: 03/19/13 17:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 93.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.124	J	0.259	0.0265	mg/Kg	☼	04/01/13 14:01	04/02/13 12:14	1
Lead	18.6		0.517	0.108	mg/Kg	☼	04/01/13 14:01	04/02/13 12:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.2		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	94		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: M-19C

Lab Sample ID: 600-70373-39

Date Collected: 03/19/13 17:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 76.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.887		0.313	0.0321	mg/Kg	☼	04/01/13 15:21	04/02/13 12:08	1
Lead	89.1		0.625	0.131	mg/Kg	☼	04/01/13 15:21	04/02/13 12:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	77		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: LM-19

Lab Sample ID: 600-70373-40
Date Collected: 03/19/13 17:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 75.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.548		0.316	0.0324	mg/Kg	☼	04/01/13 15:21	04/02/13 12:12	1
Lead	86.0		0.632	0.132	mg/Kg	☼	04/01/13 15:21	04/02/13 12:12	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	75		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-20C

Lab Sample ID: 600-70373-41
Date Collected: 03/19/13 17:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.187	J	0.258	0.0265	mg/Kg	☼	04/01/13 15:21	04/02/13 12:27	1
Lead	7.72		0.516	0.108	mg/Kg	☼	04/01/13 15:21	04/02/13 12:27	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	92		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-20C DUP

Lab Sample ID: 600-70373-42
Date Collected: 03/19/13 17:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.168	J	0.258	0.0264	mg/Kg	☼	04/01/13 15:21	04/02/13 12:31	1
Lead	7.63		0.515	0.108	mg/Kg	☼	04/01/13 15:21	04/02/13 12:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.6		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	92		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: K-19C

Lab Sample ID: 600-70373-43
Date Collected: 03/19/13 17:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.293		0.278	0.0285	mg/Kg	☼	04/01/13 15:21	04/02/13 12:35	1
Lead	67.5		0.555	0.116	mg/Kg	☼	04/01/13 15:21	04/02/13 12:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: K-20C

Lab Sample ID: 600-70373-44

Date Collected: 03/19/13 18:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 78.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.114	J	0.307	0.0315	mg/Kg	☼	04/01/13 15:21	04/02/13 12:58	1
Lead	41.6		0.614	0.129	mg/Kg	☼	04/01/13 15:21	04/02/13 12:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	78		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: GH-16

Lab Sample ID: 600-70373-45

Date Collected: 03/19/13 08:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.542		0.291	0.0298	mg/Kg	☼	04/01/13 15:21	04/02/13 13:02	1
Lead	112		0.582	0.122	mg/Kg	☼	04/01/13 15:21	04/02/13 13:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: GH-17

Lab Sample ID: 600-70373-46

Date Collected: 03/19/13 08:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.353		0.280	0.0287	mg/Kg	☼	04/01/13 15:21	04/02/13 13:05	1
Lead	76.2		0.560	0.117	mg/Kg	☼	04/01/13 15:21	04/02/13 13:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: H-18C

Lab Sample ID: 600-70373-47

Date Collected: 03/19/13 09:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.501		0.279	0.0286	mg/Kg	☼	04/01/13 15:21	04/02/13 13:09	1
Lead	106		0.559	0.117	mg/Kg	☼	04/01/13 15:21	04/02/13 13:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: HI-17

Lab Sample ID: 600-70373-48
Date Collected: 03/19/13 09:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.427		0.280	0.0287	mg/Kg	☼	04/01/13 15:21	04/02/13 13:13	1
Lead	71.6		0.560	0.117	mg/Kg	☼	04/01/13 15:21	04/02/13 13:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: I-18C

Lab Sample ID: 600-70373-49
Date Collected: 03/19/13 09:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.451		0.272	0.0279	mg/Kg	☼	04/01/13 15:21	04/02/13 13:17	1
Lead	59.3		0.544	0.114	mg/Kg	☼	04/01/13 15:21	04/02/13 13:17	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: I-18A2

Lab Sample ID: 600-70373-50
Date Collected: 03/19/13 09:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.209	J	0.303	0.0310	mg/Kg	☼	04/01/13 15:21	04/02/13 13:21	1
Lead	148		0.605	0.127	mg/Kg	☼	04/01/13 15:21	04/02/13 13:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	82		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: I-18A2 DUP

Lab Sample ID: 600-70373-51
Date Collected: 03/19/13 09:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.210	J	0.290	0.0297	mg/Kg	☼	04/01/13 15:21	04/02/13 13:32	1
Lead	128		0.580	0.122	mg/Kg	☼	04/01/13 15:21	04/02/13 13:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: HI-16

Lab Sample ID: 600-70373-52

Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.632		0.277	0.0284	mg/Kg	☼	04/01/13 15:21	04/02/13 13:36	1
Lead	108		0.553	0.116	mg/Kg	☼	04/01/13 15:21	04/02/13 13:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: IJ-16

Lab Sample ID: 600-70373-53

Date Collected: 03/19/13 10:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.02		0.295	0.0302	mg/Kg	☼	04/01/13 15:21	04/02/13 13:40	1
Lead	148		0.589	0.124	mg/Kg	☼	04/01/13 15:21	04/02/13 13:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: J-18C

Lab Sample ID: 600-70373-54

Date Collected: 03/19/13 10:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.192	J	0.264	0.0271	mg/Kg	☼	04/01/13 15:21	04/02/13 13:44	1
Lead	45.8		0.528	0.111	mg/Kg	☼	04/01/13 15:21	04/02/13 13:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: KL-15

Lab Sample ID: 600-70373-55

Date Collected: 03/19/13 10:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	11.7		0.260	0.0267	mg/Kg	☼	04/01/13 15:21	04/02/13 13:48	1
Lead	2030		0.520	0.109	mg/Kg	☼	04/01/13 15:21	04/02/13 13:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.2		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	91		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-16A1

Lab Sample ID: 600-70373-56
Date Collected: 03/19/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 61.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	17.9		0.393	0.0403	mg/Kg	☼	04/01/13 15:21	04/02/13 13:52	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5180		7.86	1.65	mg/Kg	☼	04/01/13 15:21	04/02/13 15:58	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	38		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	62		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-16A2

Lab Sample ID: 600-70373-57
Date Collected: 03/19/13 10:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 64.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	22.3		0.358	0.0367	mg/Kg	☼	04/01/13 15:21	04/02/13 13:56	1
Lead	2770		0.716	0.150	mg/Kg	☼	04/01/13 15:21	04/02/13 13:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	35		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	65		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: NO-14

Lab Sample ID: 600-70373-58
Date Collected: 03/19/13 11:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.432		0.274	0.0281	mg/Kg	☼	04/01/13 15:21	04/02/13 13:59	1
Lead	101		0.548	0.115	mg/Kg	☼	04/01/13 15:21	04/02/13 13:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15C

Lab Sample ID: 600-70373-59
Date Collected: 03/19/13 11:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.12		0.272	0.0279	mg/Kg	☼	04/01/13 16:12	04/02/13 12:33	1
Lead	155		0.545	0.114	mg/Kg	☼	04/01/13 16:12	04/02/13 12:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15C

Lab Sample ID: 600-70373-59

Date Collected: 03/19/13 11:30

Matrix: Solid

Date Received: 03/21/13 08:58

General Chemistry (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A5

Lab Sample ID: 600-70373-60

Date Collected: 03/19/13 11:35

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.800		0.284	0.0291	mg/Kg	☼	04/01/13 16:12	04/02/13 12:35	1
Lead	128		0.567	0.119	mg/Kg	☼	04/01/13 16:12	04/02/13 12:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A8

Lab Sample ID: 600-70373-61

Date Collected: 03/19/13 11:45

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.666		0.271	0.0278	mg/Kg	☼	04/01/13 16:12	04/02/13 12:38	1
Lead	106		0.542	0.114	mg/Kg	☼	04/01/13 16:12	04/02/13 12:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A8 DUP

Lab Sample ID: 600-70373-62

Date Collected: 03/19/13 11:45

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.686		0.279	0.0286	mg/Kg	☼	04/01/13 16:12	04/02/13 12:41	1
Lead	108		0.557	0.117	mg/Kg	☼	04/01/13 16:12	04/02/13 12:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-15A10

Lab Sample ID: 600-70373-63

Date Collected: 03/19/13 11:55

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.706		0.276	0.0283	mg/Kg	☼	04/01/13 16:12	04/02/13 12:43	1

Client Sample ID: O-15A10

Lab Sample ID: 600-70373-63

Date Collected: 03/19/13 11:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	116		0.551	0.116	mg/Kg	☼	04/01/13 16:12	04/02/13 12:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-15C

Lab Sample ID: 600-70373-64

Date Collected: 03/19/13 12:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.741		0.276	0.0284	mg/Kg	☼	04/01/13 16:12	04/02/13 12:46	1
Lead	124		0.553	0.116	mg/Kg	☼	04/01/13 16:12	04/02/13 12:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-14C

Lab Sample ID: 600-70373-65

Date Collected: 03/19/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.714		0.271	0.0278	mg/Kg	☼	04/01/13 16:12	04/02/13 12:49	1
Lead	113		0.541	0.113	mg/Kg	☼	04/01/13 16:12	04/02/13 12:49	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-13C

Lab Sample ID: 600-70373-66

Date Collected: 03/19/13 14:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.33		0.263	0.0270	mg/Kg	☼	04/01/13 16:12	04/02/13 13:06	1
Lead	205		0.526	0.110	mg/Kg	☼	04/01/13 16:12	04/02/13 13:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.7		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	92		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: NO-13

Lab Sample ID: 600-70373-67
Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.41		0.270	0.0277	mg/Kg	☼	04/01/13 16:12	04/02/13 13:08	1
Lead	205		0.541	0.113	mg/Kg	☼	04/01/13 16:12	04/02/13 13:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-14C

Lab Sample ID: 600-70373-68
Date Collected: 03/19/13 14:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.746		0.285	0.0292	mg/Kg	☼	04/01/13 16:12	04/02/13 13:11	1
Lead	122		0.570	0.119	mg/Kg	☼	04/01/13 16:12	04/02/13 13:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-14

Lab Sample ID: 600-70373-69
Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.664		0.289	0.0296	mg/Kg	☼	04/01/13 16:12	04/02/13 13:13	1
Lead	99.6		0.578	0.121	mg/Kg	☼	04/01/13 16:12	04/02/13 13:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	82		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: Q-14C

Lab Sample ID: 600-70373-70
Date Collected: 03/19/13 15:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.624		0.274	0.0281	mg/Kg	☼	04/01/13 16:12	04/02/13 13:16	1
Lead	104		0.547	0.115	mg/Kg	☼	04/01/13 16:12	04/02/13 13:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-13

Lab Sample ID: 600-70373-71
Date Collected: 03/19/13 15:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.828		0.265	0.0272	mg/Kg	☼	04/01/13 16:12	04/02/13 13:32	1
Lead	143		0.531	0.111	mg/Kg	☼	04/01/13 16:12	04/02/13 13:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	86		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-13C

Lab Sample ID: 600-70373-72
Date Collected: 03/19/13 15:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.810		0.275	0.0282	mg/Kg	☼	04/01/13 16:12	04/02/13 13:35	1
Lead	136		0.551	0.115	mg/Kg	☼	04/01/13 16:12	04/02/13 13:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-13C DUP

Lab Sample ID: 600-70373-73
Date Collected: 03/19/13 15:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.888		0.274	0.0281	mg/Kg	☼	04/01/13 16:12	04/02/13 13:38	1
Lead	149		0.548	0.115	mg/Kg	☼	04/01/13 16:12	04/02/13 13:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	89		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-12C

Lab Sample ID: 600-70373-74
Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.22		0.273	0.0280	mg/Kg	☼	04/01/13 16:12	04/02/13 13:40	1
Lead	177		0.547	0.115	mg/Kg	☼	04/01/13 16:12	04/02/13 13:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	90		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: OP-12

Lab Sample ID: 600-70373-75
Date Collected: 03/19/13 15:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.99		0.262	0.0269	mg/Kg	☼	04/01/13 16:12	04/02/13 13:43	1
Lead	341		0.524	0.110	mg/Kg	☼	04/01/13 16:12	04/02/13 13:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-12

Lab Sample ID: 600-70373-76
Date Collected: 03/19/13 15:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.03		0.271	0.0278	mg/Kg	☼	04/01/13 16:12	04/02/13 13:45	1
Lead	142		0.541	0.114	mg/Kg	☼	04/01/13 16:12	04/02/13 13:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-12C

Lab Sample ID: 600-70373-77
Date Collected: 03/19/13 15:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.863		0.273	0.0280	mg/Kg	☼	04/01/13 16:12	04/02/13 13:48	1
Lead	126		0.546	0.115	mg/Kg	☼	04/01/13 16:12	04/02/13 13:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	89		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-11

Lab Sample ID: 600-70373-78
Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.805		0.277	0.0285	mg/Kg	☼	04/01/13 16:12	04/02/13 13:50	1
Lead	109		0.555	0.116	mg/Kg	☼	04/01/13 16:12	04/02/13 13:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-11C

Lab Sample ID: 600-70373-79

Date Collected: 03/19/13 16:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.747		0.287	0.0295	mg/Kg	☼	04/01/13 17:37	04/02/13 14:33	1
Lead	118		0.575	0.121	mg/Kg	☼	04/01/13 17:37	04/02/13 14:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: PQ-9

Lab Sample ID: 600-70373-80

Date Collected: 03/19/13 16:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.437		0.277	0.0284	mg/Kg	☼	04/01/13 17:37	04/02/13 14:35	1
Lead	55.4		0.553	0.116	mg/Kg	☼	04/01/13 17:37	04/02/13 14:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	85		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: O-11C

Lab Sample ID: 600-70373-81

Date Collected: 03/19/13 16:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.999		0.295	0.0303	mg/Kg	☼	04/01/13 17:37	04/02/13 14:38	1
Lead	134		0.591	0.124	mg/Kg	☼	04/01/13 17:37	04/02/13 14:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: OP-10

Lab Sample ID: 600-70373-82

Date Collected: 03/19/13 16:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.633		0.290	0.0298	mg/Kg	☼	04/01/13 17:37	04/02/13 14:40	1
Lead	88.2		0.580	0.122	mg/Kg	☼	04/01/13 17:37	04/02/13 14:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	84		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: MN-9

Lab Sample ID: 600-70373-83

Date Collected: 03/19/13 17:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.00		0.271	0.0278	mg/Kg	☼	04/01/13 17:37	04/02/13 14:43	1
Lead	143		0.542	0.114	mg/Kg	☼	04/01/13 17:37	04/02/13 14:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: MN-9 DUP

Lab Sample ID: 600-70373-84

Date Collected: 03/19/13 17:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.01		0.273	0.0280	mg/Kg	☼	04/01/13 17:37	04/02/13 14:45	1
Lead	148		0.545	0.114	mg/Kg	☼	04/01/13 17:37	04/02/13 14:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	88		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: M-8C

Lab Sample ID: 600-70373-85

Date Collected: 03/19/13 17:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.475		0.267	0.0274	mg/Kg	☼	04/01/13 17:37	04/02/13 15:02	1
Lead	51.5		0.533	0.112	mg/Kg	☼	04/01/13 17:37	04/02/13 15:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: LM-9

Lab Sample ID: 600-70373-86

Date Collected: 03/19/13 17:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.914		0.252	0.0259	mg/Kg	☼	04/01/13 17:37	04/02/13 15:04	1
Lead	150		0.505	0.106	mg/Kg	☼	04/01/13 17:37	04/02/13 15:04	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.1		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	91		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: LM-10

Lab Sample ID: 600-70373-87
Date Collected: 03/19/13 17:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.36		0.273	0.0280	mg/Kg	☼	04/01/13 17:37	04/02/13 15:07	1
Lead	215		0.546	0.114	mg/Kg	☼	04/01/13 17:37	04/02/13 15:07	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	87		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: L-18C

Lab Sample ID: 600-70373-88
Date Collected: 03/19/13 18:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.885		0.289	0.0297	mg/Kg	☼	04/01/13 17:37	04/02/13 15:17	1
Lead	147		0.578	0.121	mg/Kg	☼	04/01/13 17:37	04/02/13 15:17	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	82		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: EQ-3

Lab Sample ID: 600-70373-89
Date Collected: 03/19/13 18:15
Matrix: Water
Date Received: 03/21/13 08:58

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/22/13 09:27	03/30/13 11:21	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/22/13 09:27	03/30/13 11:21	1

Client Sample ID: EQ-4

Lab Sample ID: 600-70373-90
Date Collected: 03/19/13 18:15
Matrix: Water
Date Received: 03/21/13 08:58

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/22/13 09:27	03/30/13 11:30	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/22/13 09:27	03/30/13 11:30	1

Client Sample ID: Q-10/11

Lab Sample ID: 600-70373-91
Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.174	J	0.311	0.0319	mg/Kg	☼	04/01/13 17:37	04/02/13 15:26	1
Lead	39.0		0.621	0.130	mg/Kg	☼	04/01/13 17:37	04/02/13 15:26	1

Client Sample ID: Q-10/11

Lab Sample ID: 600-70373-91

Date Collected: 03/20/13 08:40

Matrix: Solid

Date Received: 03/21/13 08:58

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	80		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: P-9C

Lab Sample ID: 600-70373-92

Date Collected: 03/20/13 08:50

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.312		0.294	0.0301	mg/Kg	☼	04/01/13 17:37	04/02/13 15:29	1
Lead	37.2		0.588	0.123	mg/Kg	☼	04/01/13 17:37	04/02/13 15:29	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 16:13	1
Percent Solids	83		1.0	1.0	%			03/22/13 16:13	1

Client Sample ID: OP-8

Lab Sample ID: 600-70373-93

Date Collected: 03/20/13 08:55

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 85.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.403		0.288	0.0296	mg/Kg	☼	04/01/13 17:37	04/02/13 15:31	1
Lead	51.6		0.576	0.121	mg/Kg	☼	04/01/13 17:37	04/02/13 15:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	85		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: O-8C

Lab Sample ID: 600-70373-94

Date Collected: 03/20/13 09:00

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.397		0.287	0.0295	mg/Kg	☼	04/01/13 17:37	04/02/13 15:34	1
Lead	39.7		0.575	0.121	mg/Kg	☼	04/01/13 17:37	04/02/13 15:34	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	84		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: NO-7

Lab Sample ID: 600-70373-95

Date Collected: 03/20/13 09:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.443		0.291	0.0299	mg/Kg	☼	04/01/13 17:37	04/02/13 15:36	1
Lead	50.1		0.583	0.122	mg/Kg	☼	04/01/13 17:37	04/02/13 15:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	84		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: N-7C

Lab Sample ID: 600-70373-96

Date Collected: 03/20/13 09:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.468		0.296	0.0304	mg/Kg	☼	04/01/13 17:37	04/02/13 15:39	1
Lead	47.5		0.593	0.124	mg/Kg	☼	04/01/13 17:37	04/02/13 15:39	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	83		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: NO-8

Lab Sample ID: 600-70373-97

Date Collected: 03/20/13 09:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.457		0.275	0.0282	mg/Kg	☼	04/01/13 17:37	04/02/13 15:41	1
Lead	59.1		0.551	0.115	mg/Kg	☼	04/01/13 17:37	04/02/13 15:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	85		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: N-8C

Lab Sample ID: 600-70373-98

Date Collected: 03/20/13 09:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.441		0.294	0.0301	mg/Kg	☼	04/01/13 17:37	04/02/13 15:44	1
Lead	61.4		0.588	0.123	mg/Kg	☼	04/01/13 17:37	04/02/13 15:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	83		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: MN-6

Lab Sample ID: 600-70373-99

Date Collected: 03/20/13 09:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0295	U	0.288	0.0295	mg/Kg	☼	04/02/13 08:19	04/02/13 14:28	1
Lead	**37.1**		0.575	0.121	mg/Kg	☼	04/02/13 08:19	04/02/13 14:28	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: M-6C

Lab Sample ID: 600-70373-100

Date Collected: 03/20/13 09:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0282	U	0.275	0.0282	mg/Kg	☼	04/02/13 08:19	04/02/13 14:32	1
Lead	**18.4**		0.549	0.115	mg/Kg	☼	04/02/13 08:19	04/02/13 14:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**84**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: M-6C DUP

Lab Sample ID: 600-70373-101

Date Collected: 03/20/13 09:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0278	U	0.271	0.0278	mg/Kg	☼	04/02/13 08:19	04/02/13 14:36	1
Lead	**18.6**		0.542	0.114	mg/Kg	☼	04/02/13 08:19	04/02/13 14:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**85**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: LM-5

Lab Sample ID: 600-70373-102

Date Collected: 03/20/13 09:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0297	U	0.289	0.0297	mg/Kg	☼	04/02/13 08:19	04/02/13 14:40	1
Lead	**38.5**		0.579	0.121	mg/Kg	☼	04/02/13 08:19	04/02/13 14:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**82**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: M-7C

Lab Sample ID: 600-70373-103

Date Collected: 03/20/13 10:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0294	U	0.287	0.0294	mg/Kg	☼	04/02/13 08:19	04/02/13 14:44	1
Lead	**51.7**		0.573	0.120	mg/Kg	☼	04/02/13 08:19	04/02/13 14:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**16**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**84**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: L-5C

Lab Sample ID: 600-70373-104

Date Collected: 03/20/13 10:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0292	U	0.284	0.0292	mg/Kg	☼	04/02/13 08:19	04/02/13 14:48	1
Lead	**30.5**		0.568	0.119	mg/Kg	☼	04/02/13 08:19	04/02/13 14:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**81**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: L-4C

Lab Sample ID: 600-70373-105

Date Collected: 03/20/13 10:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0304	U	0.296	0.0304	mg/Kg	☼	04/02/13 08:19	04/02/13 14:52	1
Lead	**35.8**		0.593	0.124	mg/Kg	☼	04/02/13 08:19	04/02/13 14:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**81**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: L-3C

Lab Sample ID: 600-70373-106

Date Collected: 03/20/13 10:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0295	U	0.287	0.0295	mg/Kg	☼	04/02/13 08:19	04/02/13 14:55	1
Lead	**33.1**		0.574	0.120	mg/Kg	☼	04/02/13 08:19	04/02/13 14:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**82**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: L-2C

Lab Sample ID: 600-70373-107

Date Collected: 03/20/13 10:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0306	U	0.299	0.0306	mg/Kg	☼	04/02/13 08:19	04/02/13 15:07	1
Lead	**34.0**		0.597	0.125	mg/Kg	☼	04/02/13 08:19	04/02/13 15:07	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: KL-1

Lab Sample ID: 600-70373-108

Date Collected: 03/20/13 10:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0293	U	0.286	0.0293	mg/Kg	☼	04/02/13 08:19	04/02/13 15:11	1
Lead	**35.6**		0.572	0.120	mg/Kg	☼	04/02/13 08:19	04/02/13 15:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: K-2C

Lab Sample ID: 600-70373-109

Date Collected: 03/20/13 10:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0286	U	0.278	0.0286	mg/Kg	☼	04/02/13 08:19	04/02/13 15:26	1
Lead	**38.8**		0.557	0.117	mg/Kg	☼	04/02/13 08:19	04/02/13 15:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: K-3C

Lab Sample ID: 600-70373-110

Date Collected: 03/20/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0310	U	0.302	0.0310	mg/Kg	☼	04/02/13 08:19	04/02/13 15:30	1
Lead	**41.6**		0.605	0.127	mg/Kg	☼	04/02/13 08:19	04/02/13 15:30	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**82**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: KL-3

Lab Sample ID: 600-70373-111
Date Collected: 03/20/13 10:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0278	U	0.271	0.0278	mg/Kg	☼	04/02/13 08:19	04/02/13 15:34	1
Lead	29.3		0.542	0.114	mg/Kg	☼	04/02/13 08:19	04/02/13 15:34	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	86		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: JK-2

Lab Sample ID: 600-70373-112
Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0293	U	0.286	0.0293	mg/Kg	☼	04/02/13 08:19	04/02/13 15:38	1
Lead	34.0		0.572	0.120	mg/Kg	☼	04/02/13 08:19	04/02/13 15:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	87		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: JK-2 DUP

Lab Sample ID: 600-70373-113
Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0285	U ^	0.277	0.0285	mg/Kg	☼	04/02/13 08:19	04/02/13 16:01	1
Lead	35.3		0.555	0.116	mg/Kg	☼	04/02/13 08:19	04/02/13 16:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	86		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: JK-3

Lab Sample ID: 600-70373-114
Date Collected: 03/20/13 11:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0303	U ^	0.295	0.0303	mg/Kg	☼	04/02/13 08:19	04/02/13 16:05	1
Lead	52.1		0.590	0.124	mg/Kg	☼	04/02/13 08:19	04/02/13 16:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	81		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: JK-4
Lab Sample ID: 600-70373-115
Date Collected: 03/20/13 11:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0308	U ^	0.300	0.0308	mg/Kg	☼	04/02/13 08:19	04/02/13 16:09	1
Lead	**26.7**		0.600	0.126	mg/Kg	☼	04/02/13 08:19	04/02/13 16:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**19**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**81**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: K-4C
Lab Sample ID: 600-70373-116
Date Collected: 03/20/13 11:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0304	U ^	0.297	0.0304	mg/Kg	☼	04/02/13 08:19	04/02/13 16:12	1
Lead	**43.9**		0.594	0.124	mg/Kg	☼	04/02/13 08:19	04/02/13 16:12	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: K-5C
Lab Sample ID: 600-70373-117
Date Collected: 03/20/13 11:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0303	U ^	0.295	0.0303	mg/Kg	☼	04/02/13 08:19	04/02/13 16:16	1
Lead	**46.8**		0.590	0.124	mg/Kg	☼	04/02/13 08:19	04/02/13 16:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**83**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: M-5C
Lab Sample ID: 600-70373-120
Date Collected: 03/20/13 11:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0321	U ^	0.313	0.0321	mg/Kg	☼	04/02/13 08:19	04/02/13 16:20	1
Lead	**35.5**		0.626	0.131	mg/Kg	☼	04/02/13 08:19	04/02/13 16:20	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**21**		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	**79**		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: LM-4

Lab Sample ID: 600-70373-121

Date Collected: 03/20/13 12:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.308		0.290	0.0298	mg/Kg	☼	04/02/13 12:14	04/02/13 17:45	1
Lead	38.1		0.581	0.122	mg/Kg	☼	04/02/13 12:14	04/02/13 17:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	82		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: LM-3

Lab Sample ID: 600-70373-122

Date Collected: 03/20/13 12:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.395		0.299	0.0307	mg/Kg	☼	04/02/13 12:14	04/02/13 17:47	1
Lead	43.6		0.598	0.125	mg/Kg	☼	04/02/13 12:14	04/02/13 17:47	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	80		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: LM-2

Lab Sample ID: 600-70373-123

Date Collected: 03/20/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.475		0.321	0.0329	mg/Kg	☼	04/02/13 12:14	04/02/13 17:50	1
Lead	51.2		0.642	0.135	mg/Kg	☼	04/02/13 12:14	04/02/13 17:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	77		1.0	1.0	%			03/22/13 17:17	1

Client Sample ID: LM-1

Lab Sample ID: 600-70373-124

Date Collected: 03/20/13 12:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.229	J	0.301	0.0309	mg/Kg	☼	04/02/13 12:14	04/02/13 17:52	1
Lead	26.4		0.603	0.126	mg/Kg	☼	04/02/13 12:14	04/02/13 17:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/22/13 17:17	1
Percent Solids	83		1.0	1.0	%			03/22/13 17:17	1

Qualifiers

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
U	Analyte was not detected at or above the SDL.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
F	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102296/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102296**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/22/13 09:27	03/30/13 11:09	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/22/13 09:27	03/30/13 11:09	1

Lab Sample ID: LCS 600-102296/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102296**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.500	0.5078		mg/L		102	80 - 120
Lead	1.00	1.010		mg/L		101	80 - 120

Lab Sample ID: 600-70373-89 MS — **Client Sample ID: EQ-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102296**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.000350	U	0.500	0.5089		mg/L		102	75 - 125
Lead	0.00290	U	1.00	1.014		mg/L		101	75 - 125

Lab Sample ID: 600-70373-89 MSD — **Client Sample ID: EQ-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102296**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.000350	U	0.500	0.4973		mg/L		99	75 - 125	2	20
Lead	0.00290	U	1.00	0.9867		mg/L		99	75 - 125	3	20

Lab Sample ID: 600-70373-89 DU — **Client Sample ID: EQ-3**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102920 — **Prep Batch: 102296**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.000350	U	0.000350	U	mg/L		NC	20
Lead	0.00290	U	0.00290	U	mg/L		NC	20

Lab Sample ID: MB 600-102784/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/28/13 16:33	04/01/13 15:00	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/28/13 16:33	04/01/13 15:00	1

Lab Sample ID: LCSSRM 600-102784/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	97.90		mg/Kg		95.0	83.6 - 115.5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 600-102784/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			76.9	83.02		mg/Kg		108.0	81.3 - 118.7		

Lab Sample ID: 600-70373-10 MS — **Client Sample ID: N-16A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	2.05		27.4	25.83		mg/Kg	☼	87	75 - 125		
Lead	354		54.7	450.8	4	mg/Kg	☼	177	75 - 125		

Lab Sample ID: 600-70373-10 MSD — **Client Sample ID: N-16A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	2.05		26.3	26.34		mg/Kg	☼	92	75 - 125	2	20
Lead	354		52.6	466.6	4	mg/Kg	☼	214	75 - 125	3	20

Lab Sample ID: 600-70373-12 MS — **Client Sample ID: N-16A2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Cadmium	0.528		25.4	25.20		mg/Kg	☼	97	75 - 125		
Lead	64.7		50.7	116.1		mg/Kg	☼	101	75 - 125		

Lab Sample ID: 600-70373-12 MSD — **Client Sample ID: N-16A2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.528		25.9	25.96		mg/Kg	☼	98	75 - 125	3	20
Lead	64.7		51.7	93.40	N	mg/Kg	☼	55	75 - 125	22	20

Lab Sample ID: 600-70373-10 DU — **Client Sample ID: N-16A1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	2.05		2.033		mg/Kg	☼	0.8	20
Lead	354		371.8		mg/Kg	☼	5	20

Lab Sample ID: 600-70373-12 DU — **Client Sample ID: N-16A2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102936 — **Prep Batch: 102784**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.528		0.3997		mg/Kg	☼	28	20
Lead	64.7		66.76		mg/Kg	☼	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 600-102972/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102972

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/01/13 14:01	04/02/13 10:52	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/01/13 14:01	04/02/13 10:52	1

Lab Sample ID: LCSSRM 600-102972/2-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102972

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	95.43		mg/Kg		92.7	83.6 - 115.5
Lead	76.9	68.12		mg/Kg		88.6	81.3 - 118.7

Lab Sample ID: 600-70373-21 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-15A16
Prep Type: Total/NA
Prep Batch: 102972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.71		27.6	30.76		mg/Kg	☼	105	75 - 125
Lead	280		55.3	414.1	4	mg/Kg	☼	242	75 - 125

Lab Sample ID: 600-70373-21 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-15A16
Prep Type: Total/NA
Prep Batch: 102972

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.71		27.9	30.28		mg/Kg	☼	102	75 - 125	2	20
Lead	280		55.8	418.1	4	mg/Kg	☼	247	75 - 125	1	20

Lab Sample ID: 600-70373-25 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-15A3
Prep Type: Total/NA
Prep Batch: 102972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	3.47		31.5	34.65		mg/Kg	☼	99	75 - 125
Lead	520		63.0	660.2	4	mg/Kg	☼	223	75 - 125

Lab Sample ID: 600-70373-25 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-15A3
Prep Type: Total/NA
Prep Batch: 102972

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	3.47		30.6	35.02		mg/Kg	☼	103	75 - 125	1	20
Lead	520		61.2	592.8	4	mg/Kg	☼	119	75 - 125	11	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-21 DU — **Client Sample ID: O-15A16**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 102972**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.71		1.606		mg/Kg	☼	6	20
Lead	280		263.5		mg/Kg	☼	6	20

Lab Sample ID: 600-70373-25 DU — **Client Sample ID: O-15A3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 102972**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	3.47		2.805	F	mg/Kg	☼	21	20
Lead	520		446.2		mg/Kg	☼	15	20

Lab Sample ID: MB 600-102994/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 102994**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/01/13 15:21	04/02/13 12:00	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/01/13 15:21	04/02/13 12:00	1

Lab Sample ID: LCSSRM 600-102994/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 102994**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.59		mg/Kg		89.9	83.6 - 115.5
Lead	76.9	67.84		mg/Kg		88.2	81.3 - 118.7

Lab Sample ID: 600-70373-40 MS — **Client Sample ID: LM-19**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 102994**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.548		31.6	23.04	N	mg/Kg	☼	71	75 - 125
Lead	86.0		63.2	137.3		mg/Kg	☼	81	75 - 125

Lab Sample ID: 600-70373-40 MSD — **Client Sample ID: LM-19**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 102994**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.548		32.8	24.76	N	mg/Kg	☼	74	75 - 125	7	20
Lead	86.0		65.7	151.5		mg/Kg	☼	100	75 - 125	10	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-43 MS
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: K-19C
Prep Type: Total/NA
Prep Batch: 102994

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.293		26.7	19.96	N	mg/Kg	☼	74	75 - 125
Lead	67.5		53.4	106.0	N	mg/Kg	☼	72	75 - 125

Lab Sample ID: 600-70373-43 MSD
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: K-19C
Prep Type: Total/NA
Prep Batch: 102994

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.293		26.7	19.91	N	mg/Kg	☼	73	75 - 125	0	20
Lead	67.5		53.4	108.8		mg/Kg	☼	77	75 - 125	3	20

Lab Sample ID: 600-70373-40 DU
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: LM-19
Prep Type: Total/NA
Prep Batch: 102994

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.548		0.6413		mg/Kg	☼	16	20
Lead	86.0		114.6	F	mg/Kg	☼	28	20

Lab Sample ID: 600-70373-43 DU
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: K-19C
Prep Type: Total/NA
Prep Batch: 102994

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.293		0.2546	J	mg/Kg	☼	14	20
Lead	67.5		57.84		mg/Kg	☼	15	20

Lab Sample ID: MB 600-103004/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103004

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/01/13 16:12	04/02/13 12:28	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/01/13 16:12	04/02/13 12:28	1

Lab Sample ID: LCSSRM 600-103004/2-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	99.18		mg/Kg		96.3	83.6 - 115.5
Lead	76.9	72.89		mg/Kg		94.8	81.3 - 118.7

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-65 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.714		28.6	25.59		mg/Kg	☼	87	75 - 125
Lead	113		57.3	161.7		mg/Kg	☼	85	75 - 125

Lab Sample ID: 600-70373-65 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.714		27.8	24.49		mg/Kg	☼	85	75 - 125	4	20
Lead	113		55.6	165.9		mg/Kg	☼	95	75 - 125	3	20

Lab Sample ID: 600-70373-70 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Q-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.624		28.4	24.93		mg/Kg	☼	86	75 - 125
Lead	104		56.8	156.6		mg/Kg	☼	92	75 - 125

Lab Sample ID: 600-70373-70 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Q-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.624		28.4	25.48		mg/Kg	☼	87	75 - 125	2	20
Lead	104		56.8	160.5		mg/Kg	☼	99	75 - 125	2	20

Lab Sample ID: 600-70373-65 DU
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: O-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.714		0.7303		mg/Kg	☼	2	20
Lead	113		111.8		mg/Kg	☼	1	20

Lab Sample ID: 600-70373-70 DU
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Q-14C
Prep Type: Total/NA
Prep Batch: 103004

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.624		0.6301		mg/Kg	☼	1	20
Lead	104		104.6		mg/Kg	☼	0.5	20

Lab Sample ID: MB 600-103017/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103017

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/01/13 17:37	04/02/13 14:23	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 600-103017/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103017

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.105	U	0.500	0.105	mg/Kg		04/01/13 17:37	04/02/13 14:23	1

Lab Sample ID: LCSSRM 600-103017/2-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	103.1		mg/Kg		100.1	83.6 - 115.5
Lead	76.9	78.10		mg/Kg		101.6	81.3 - 118.7

Lab Sample ID: 600-70373-84 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: MN-9 DUP
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.01		27.0	25.99		mg/Kg	☼	93	75 - 125
Lead	148		54.0	197.6		mg/Kg	☼	92	75 - 125

Lab Sample ID: 600-70373-84 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: MN-9 DUP
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.01		27.5	26.38		mg/Kg	☼	92	75 - 125	2	20
Lead	148		55.0	193.1		mg/Kg	☼	83	75 - 125	2	20

Lab Sample ID: 600-70373-87 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-10
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.36		28.4	23.65		mg/Kg	☼	79	75 - 125
Lead	215		56.7	261.9		mg/Kg	☼	82	75 - 125

Lab Sample ID: 600-70373-87 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-10
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.36		28.1	29.41	N	mg/Kg	☼	100	75 - 125	22	20
Lead	215		56.2	300.7	N	mg/Kg	☼	152	75 - 125	14	20

Lab Sample ID: 600-70373-84 DU
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: MN-9 DUP
Prep Type: Total/NA
Prep Batch: 103017

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.01		1.038		mg/Kg	☼	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-84 DU — **Client Sample ID: MN-9 DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103017**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Lead	148		141.1		mg/Kg	☼	5	20

Lab Sample ID: 600-70373-87 DU — **Client Sample ID: LM-10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103017**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.36		1.383		mg/Kg	☼	2	20
Lead	215		215.9		mg/Kg	☼	0.3	20

Lab Sample ID: MB 600-103031/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 103031**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/02/13 08:19	04/02/13 14:21	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/02/13 08:19	04/02/13 14:21	1

Lab Sample ID: LCSSRM 600-103031/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 103031**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	99.08		mg/Kg		96.2	83.6 - 115.5
Lead	76.9	70.59		mg/Kg		91.8	81.3 - 118.7

Lab Sample ID: 600-70373-108 MS — **Client Sample ID: KL-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 103031**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0293	U	29.7	24.16		mg/Kg	☼	81	75 - 125
Lead	35.6		59.4	82.60		mg/Kg	☼	79	75 - 125

Lab Sample ID: 600-70373-108 MSD — **Client Sample ID: KL-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 103031**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0293	U	30.0	24.18		mg/Kg	☼	81	75 - 125	0	20
Lead	35.6		60.0	80.42		mg/Kg	☼	75	75 - 125	3	20

Lab Sample ID: 600-70373-112 MS — **Client Sample ID: JK-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103040 — **Prep Batch: 103031**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0293	U	28.0	22.24	^	mg/Kg	☼	79	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-112 MS
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: JK-2
Prep Type: Total/NA
Prep Batch: 103031

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	34.0		56.1	76.21		mg/Kg	☼	75	75 - 125

Lab Sample ID: 600-70373-112 MSD
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: JK-2
Prep Type: Total/NA
Prep Batch: 103031

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0293	U	27.0	20.31	^	mg/Kg	☼	75	75 - 125	9	20
Lead	34.0		54.0	70.36	N	mg/Kg	☼	67	75 - 125	8	20

Lab Sample ID: 600-70373-108 DU
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: KL-1
Prep Type: Total/NA
Prep Batch: 103031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0293	U	0.0302	U	mg/Kg	☼	NC	20
Lead	35.6		33.29		mg/Kg	☼	7	20

Lab Sample ID: 600-70373-112 DU
Matrix: Solid
Analysis Batch: 103040

Client Sample ID: JK-2
Prep Type: Total/NA
Prep Batch: 103031

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0293	U	0.0274	U	mg/Kg	☼	NC	20
Lead	34.0		32.51		mg/Kg	☼	4	20

Lab Sample ID: MB 600-103054/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103054

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/02/13 12:14	04/02/13 17:16	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/02/13 12:14	04/02/13 17:16	1

Lab Sample ID: LCSSRM 600-103054/2-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	95.90		mg/Kg		93.1	83.6 - 115.5
Lead	76.9	74.89		mg/Kg		97.4	81.3 - 118.7

Lab Sample ID: 600-70373-124 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-1
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.229	J	29.6	28.38		mg/Kg	☼	95	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70373-124 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-1
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	26.4		59.1	88.01		mg/Kg	☼	104	75 - 125

Lab Sample ID: 600-70373-124 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-1
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.229	J	30.1	28.55		mg/Kg	☼	94	75 - 125	1	20
Lead	26.4		60.3	87.48		mg/Kg	☼	101	75 - 125	1	20

Lab Sample ID: 600-70373-124 DU
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: LM-1
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.229	J	0.2218	J	mg/Kg	☼	3	20
Lead	26.4		26.13		mg/Kg	☼	0.9	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70373-1 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: K-18C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	22		23		%		4	20
Percent Solids	78		77		%		1	20

Lab Sample ID: 600-70373-11 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: N-16A1 DUP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.7		8.2		%		6	20
Percent Solids	92		92		%		0.5	20

Lab Sample ID: 600-70373-21 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: O-15A16
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		18		%		14	20
Percent Solids	85		82		%		3	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 600-70373-31 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: O-18
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	10		11		%		3	20
Percent Solids	90		89		%		0.3	20

Lab Sample ID: 600-70373-41 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: L-20C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	7.7		6.5		%		16	20
Percent Solids	92		93		%		1	20

Lab Sample ID: 600-70373-51 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: I-18A2 DUP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	17		18		%		3	20
Percent Solids	83		82		%		0.6	20

Lab Sample ID: 600-70373-61 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: O-15A8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		15		%		1	20
Percent Solids	85		85		%		0.2	20

Lab Sample ID: 600-70373-71 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: PQ-13
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	14		14		%		2	20
Percent Solids	86		86		%		0.4	20

Lab Sample ID: 600-70373-81 DU
Matrix: Solid
Analysis Batch: 102366

Client Sample ID: O-11C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		14		%		15	20
Percent Solids	84		86		%		3	20

Lab Sample ID: 600-70373-93 DU
Matrix: Solid
Analysis Batch: 102371

Client Sample ID: OP-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		15		%		3	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 600-70373-93 DU
Matrix: Solid
Analysis Batch: 102371

Client Sample ID: OP-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Solids	85			85		%				0.5	20

Lab Sample ID: 600-70373-103 DU
Matrix: Solid
Analysis Batch: 102371

Client Sample ID: M-7C
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16			16		%				1	20
Percent Solids	84			84		%				0.3	20

Lab Sample ID: 600-70373-113 DU
Matrix: Solid
Analysis Batch: 102371

Client Sample ID: JK-2 DUP
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	14			14		%				2	20
Percent Solids	86			86		%				0.4	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Cadmium	0.00500	0.000350	mg/L	6010B
Lead	0.500	0.105	mg/Kg	6010B
Lead	0.0100	0.00290	mg/L	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 102296

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-89	EQ-3	Total/NA	Water	3010A	
600-70373-89 DU	EQ-3	Total/NA	Water	3010A	
600-70373-89 MS	EQ-3	Total/NA	Water	3010A	
600-70373-89 MSD	EQ-3	Total/NA	Water	3010A	
600-70373-90	EQ-4	Total/NA	Water	3010A	
LCS 600-102296/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-102296/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 102784

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-1	K-18C	Total/NA	Solid	3050B	
600-70373-2	JK-18	Total/NA	Solid	3050B	
600-70373-3	JK-17	Total/NA	Solid	3050B	
600-70373-4	JK-16	Total/NA	Solid	3050B	
600-70373-5	JK-15	Total/NA	Solid	3050B	
600-70373-6	IJ-15	Total/NA	Solid	3050B	
600-70373-7	L-16A4	Total/NA	Solid	3050B	
600-70373-8	L-16A3	Total/NA	Solid	3050B	
600-70373-9	M-16A4	Total/NA	Solid	3050B	
600-70373-10	N-16A1	Total/NA	Solid	3050B	
600-70373-10 DU	N-16A1	Total/NA	Solid	3050B	
600-70373-10 MS	N-16A1	Total/NA	Solid	3050B	
600-70373-10 MSD	N-16A1	Total/NA	Solid	3050B	
600-70373-11	N-16A1 DUP	Total/NA	Solid	3050B	
600-70373-12	N-16A2	Total/NA	Solid	3050B	
600-70373-12 DU	N-16A2	Total/NA	Solid	3050B	
600-70373-12 MS	N-16A2	Total/NA	Solid	3050B	
600-70373-12 MSD	N-16A2	Total/NA	Solid	3050B	
600-70373-13	Q-14/15	Total/NA	Solid	3050B	
600-70373-14	Q-12/13	Total/NA	Solid	3050B	
600-70373-15	Q-11C	Total/NA	Solid	3050B	
600-70373-16	Q-10C	Total/NA	Solid	3050B	
600-70373-17	Q-12C	Total/NA	Solid	3050B	
600-70373-18	Q-13C	Total/NA	Solid	3050B	
LCSSRM 600-102784/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102784/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 102920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-89	EQ-3	Total/NA	Water	6010B	102296
600-70373-89 DU	EQ-3	Total/NA	Water	6010B	102296
600-70373-89 MS	EQ-3	Total/NA	Water	6010B	102296
600-70373-89 MSD	EQ-3	Total/NA	Water	6010B	102296
600-70373-90	EQ-4	Total/NA	Water	6010B	102296
LCS 600-102296/2-A	Lab Control Sample	Total/NA	Water	6010B	102296
MB 600-102296/1-A	Method Blank	Total/NA	Water	6010B	102296

Analysis Batch: 102936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-1	K-18C	Total/NA	Solid	6010B	102784
600-70373-2	JK-18	Total/NA	Solid	6010B	102784

Metals (Continued)

Analysis Batch: 102936 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-3	JK-17	Total/NA	Solid	6010B	102784
600-70373-4	JK-16	Total/NA	Solid	6010B	102784
600-70373-5	JK-15	Total/NA	Solid	6010B	102784
600-70373-6	IJ-15	Total/NA	Solid	6010B	102784
600-70373-7	L-16A4	Total/NA	Solid	6010B	102784
600-70373-8	L-16A3	Total/NA	Solid	6010B	102784
600-70373-9	M-16A4	Total/NA	Solid	6010B	102784
600-70373-10	N-16A1	Total/NA	Solid	6010B	102784
600-70373-10 DU	N-16A1	Total/NA	Solid	6010B	102784
600-70373-10 MS	N-16A1	Total/NA	Solid	6010B	102784
600-70373-10 MSD	N-16A1	Total/NA	Solid	6010B	102784
600-70373-11	N-16A1 DUP	Total/NA	Solid	6010B	102784
600-70373-12	N-16A2	Total/NA	Solid	6010B	102784
600-70373-12 DU	N-16A2	Total/NA	Solid	6010B	102784
600-70373-12 MS	N-16A2	Total/NA	Solid	6010B	102784
600-70373-12 MSD	N-16A2	Total/NA	Solid	6010B	102784
600-70373-13	Q-14/15	Total/NA	Solid	6010B	102784
600-70373-14	Q-12/13	Total/NA	Solid	6010B	102784
600-70373-15	Q-11C	Total/NA	Solid	6010B	102784
600-70373-16	Q-10C	Total/NA	Solid	6010B	102784
600-70373-17	Q-12C	Total/NA	Solid	6010B	102784
600-70373-18	Q-13C	Total/NA	Solid	6010B	102784
LCSSRM 600-102784/2-A	Lab Control Sample	Total/NA	Solid	6010B	102784
MB 600-102784/1-A	Method Blank	Total/NA	Solid	6010B	102784

Prep Batch: 102972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-19	QR-16	Total/NA	Solid	3050B	
600-70373-20 - DL	O-15A15	Total/NA	Solid	3050B	
600-70373-20	O-15A15	Total/NA	Solid	3050B	
600-70373-21	O-15A16	Total/NA	Solid	3050B	
600-70373-21 DU	O-15A16	Total/NA	Solid	3050B	
600-70373-21 MS	O-15A16	Total/NA	Solid	3050B	
600-70373-21 MSD	O-15A16	Total/NA	Solid	3050B	
600-70373-22	O-15A16 DUP	Total/NA	Solid	3050B	
600-70373-23	O-15A13	Total/NA	Solid	3050B	
600-70373-24	O-15A14	Total/NA	Solid	3050B	
600-70373-25	O-15A3	Total/NA	Solid	3050B	
600-70373-25 DU	O-15A3	Total/NA	Solid	3050B	
600-70373-25 MS	O-15A3	Total/NA	Solid	3050B	
600-70373-25 MSD	O-15A3	Total/NA	Solid	3050B	
600-70373-26	O-15A4	Total/NA	Solid	3050B	
600-70373-27	O-15A2	Total/NA	Solid	3050B	
600-70373-28	NO-16	Total/NA	Solid	3050B	
600-70373-29	P-17C	Total/NA	Solid	3050B	
600-70373-30	PQ-16	Total/NA	Solid	3050B	
600-70373-31	O-18	Total/NA	Solid	3050B	
600-70373-32	NO-17	Total/NA	Solid	3050B	
600-70373-33	NO-17 DUP	Total/NA	Solid	3050B	
600-70373-34	N-18C	Total/NA	Solid	3050B	
600-70373-35	L-19C	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 102972 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-36	M-18C	Total/NA	Solid	3050B	
600-70373-37	HI-15	Total/NA	Solid	3050B	
600-70373-38	N-18/19	Total/NA	Solid	3050B	
LCSSRM 600-102972/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102972/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 102994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-39	M-19C	Total/NA	Solid	3050B	
600-70373-40	LM-19	Total/NA	Solid	3050B	
600-70373-40 DU	LM-19	Total/NA	Solid	3050B	
600-70373-40 MS	LM-19	Total/NA	Solid	3050B	
600-70373-40 MSD	LM-19	Total/NA	Solid	3050B	
600-70373-41	L-20C	Total/NA	Solid	3050B	
600-70373-42	L-20C DUP	Total/NA	Solid	3050B	
600-70373-43	K-19C	Total/NA	Solid	3050B	
600-70373-43 DU	K-19C	Total/NA	Solid	3050B	
600-70373-43 MS	K-19C	Total/NA	Solid	3050B	
600-70373-43 MSD	K-19C	Total/NA	Solid	3050B	
600-70373-44	K-20C	Total/NA	Solid	3050B	
600-70373-45	GH-16	Total/NA	Solid	3050B	
600-70373-46	GH-17	Total/NA	Solid	3050B	
600-70373-47	H-18C	Total/NA	Solid	3050B	
600-70373-48	HI-17	Total/NA	Solid	3050B	
600-70373-49	I-18C	Total/NA	Solid	3050B	
600-70373-50	I-18A2	Total/NA	Solid	3050B	
600-70373-51	I-18A2 DUP	Total/NA	Solid	3050B	
600-70373-52	HI-16	Total/NA	Solid	3050B	
600-70373-53	IJ-16	Total/NA	Solid	3050B	
600-70373-54	J-18C	Total/NA	Solid	3050B	
600-70373-55	KL-15	Total/NA	Solid	3050B	
600-70373-56 - DL	L-16A1	Total/NA	Solid	3050B	
600-70373-56	L-16A1	Total/NA	Solid	3050B	
600-70373-57	L-16A2	Total/NA	Solid	3050B	
600-70373-58	NO-14	Total/NA	Solid	3050B	
LCSSRM 600-102994/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-102994/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-59	O-15C	Total/NA	Solid	3050B	
600-70373-60	O-15A5	Total/NA	Solid	3050B	
600-70373-61	O-15A8	Total/NA	Solid	3050B	
600-70373-62	O-15A8 DUP	Total/NA	Solid	3050B	
600-70373-63	O-15A10	Total/NA	Solid	3050B	
600-70373-64	P-15C	Total/NA	Solid	3050B	
600-70373-65	O-14C	Total/NA	Solid	3050B	
600-70373-65 DU	O-14C	Total/NA	Solid	3050B	
600-70373-65 MS	O-14C	Total/NA	Solid	3050B	
600-70373-65 MSD	O-14C	Total/NA	Solid	3050B	
600-70373-66	O-13C	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 103004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-67	NO-13	Total/NA	Solid	3050B	
600-70373-68	P-14C	Total/NA	Solid	3050B	
600-70373-69	PQ-14	Total/NA	Solid	3050B	
600-70373-70	Q-14C	Total/NA	Solid	3050B	
600-70373-70 DU	Q-14C	Total/NA	Solid	3050B	
600-70373-70 MS	Q-14C	Total/NA	Solid	3050B	
600-70373-70 MSD	Q-14C	Total/NA	Solid	3050B	
600-70373-71	PQ-13	Total/NA	Solid	3050B	
600-70373-72	P-13C	Total/NA	Solid	3050B	
600-70373-73	P-13C DUP	Total/NA	Solid	3050B	
600-70373-74	O-12C	Total/NA	Solid	3050B	
600-70373-75	OP-12	Total/NA	Solid	3050B	
600-70373-76	PQ-12	Total/NA	Solid	3050B	
600-70373-77	P-12C	Total/NA	Solid	3050B	
600-70373-78	PQ-11	Total/NA	Solid	3050B	
LCSSRM 600-103004/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103004/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-79	P-11C	Total/NA	Solid	3050B	
600-70373-80	PQ-9	Total/NA	Solid	3050B	
600-70373-81	O-11C	Total/NA	Solid	3050B	
600-70373-82	OP-10	Total/NA	Solid	3050B	
600-70373-83	MN-9	Total/NA	Solid	3050B	
600-70373-84	MN-9 DUP	Total/NA	Solid	3050B	
600-70373-84 DU	MN-9 DUP	Total/NA	Solid	3050B	
600-70373-84 MS	MN-9 DUP	Total/NA	Solid	3050B	
600-70373-84 MSD	MN-9 DUP	Total/NA	Solid	3050B	
600-70373-85	M-8C	Total/NA	Solid	3050B	
600-70373-86	LM-9	Total/NA	Solid	3050B	
600-70373-87	LM-10	Total/NA	Solid	3050B	
600-70373-87 DU	LM-10	Total/NA	Solid	3050B	
600-70373-87 MS	LM-10	Total/NA	Solid	3050B	
600-70373-87 MSD	LM-10	Total/NA	Solid	3050B	
600-70373-88	L-18C	Total/NA	Solid	3050B	
600-70373-91	Q-10/11	Total/NA	Solid	3050B	
600-70373-92	P-9C	Total/NA	Solid	3050B	
600-70373-93	OP-8	Total/NA	Solid	3050B	
600-70373-94	O-8C	Total/NA	Solid	3050B	
600-70373-95	NO-7	Total/NA	Solid	3050B	
600-70373-96	N-7C	Total/NA	Solid	3050B	
600-70373-97	NO-8	Total/NA	Solid	3050B	
600-70373-98	N-8C	Total/NA	Solid	3050B	
LCSSRM 600-103017/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103017/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103031

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-99	MN-6	Total/NA	Solid	3050B	
600-70373-100	M-6C	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 103031 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-101	M-6C DUP	Total/NA	Solid	3050B	
600-70373-102	LM-5	Total/NA	Solid	3050B	
600-70373-103	M-7C	Total/NA	Solid	3050B	
600-70373-104	L-5C	Total/NA	Solid	3050B	
600-70373-105	L-4C	Total/NA	Solid	3050B	
600-70373-106	L-3C	Total/NA	Solid	3050B	
600-70373-107	L-2C	Total/NA	Solid	3050B	
600-70373-108	KL-1	Total/NA	Solid	3050B	
600-70373-108 DU	KL-1	Total/NA	Solid	3050B	
600-70373-108 MS	KL-1	Total/NA	Solid	3050B	
600-70373-108 MSD	KL-1	Total/NA	Solid	3050B	
600-70373-109	K-2C	Total/NA	Solid	3050B	
600-70373-110	K-3C	Total/NA	Solid	3050B	
600-70373-111	KL-3	Total/NA	Solid	3050B	
600-70373-112	JK-2	Total/NA	Solid	3050B	
600-70373-112 DU	JK-2	Total/NA	Solid	3050B	
600-70373-112 MS	JK-2	Total/NA	Solid	3050B	
600-70373-112 MSD	JK-2	Total/NA	Solid	3050B	
600-70373-113	JK-2 DUP	Total/NA	Solid	3050B	
600-70373-114	JK-3	Total/NA	Solid	3050B	
600-70373-115	JK-4	Total/NA	Solid	3050B	
600-70373-116	K-4C	Total/NA	Solid	3050B	
600-70373-117	K-5C	Total/NA	Solid	3050B	
600-70373-120	M-5C	Total/NA	Solid	3050B	
LCSSRM 600-103031/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103031/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-19	QR-16	Total/NA	Solid	6010B	102972
600-70373-20 - DL	O-15A15	Total/NA	Solid	6010B	102972
600-70373-20	O-15A15	Total/NA	Solid	6010B	102972
600-70373-21	O-15A16	Total/NA	Solid	6010B	102972
600-70373-21 DU	O-15A16	Total/NA	Solid	6010B	102972
600-70373-21 MS	O-15A16	Total/NA	Solid	6010B	102972
600-70373-21 MSD	O-15A16	Total/NA	Solid	6010B	102972
600-70373-22	O-15A16 DUP	Total/NA	Solid	6010B	102972
600-70373-23	O-15A13	Total/NA	Solid	6010B	102972
600-70373-24	O-15A14	Total/NA	Solid	6010B	102972
600-70373-25	O-15A3	Total/NA	Solid	6010B	102972
600-70373-25 DU	O-15A3	Total/NA	Solid	6010B	102972
600-70373-25 MS	O-15A3	Total/NA	Solid	6010B	102972
600-70373-25 MSD	O-15A3	Total/NA	Solid	6010B	102972
600-70373-26	O-15A4	Total/NA	Solid	6010B	102972
600-70373-27	O-15A2	Total/NA	Solid	6010B	102972
600-70373-28	NO-16	Total/NA	Solid	6010B	102972
600-70373-29	P-17C	Total/NA	Solid	6010B	102972
600-70373-30	PQ-16	Total/NA	Solid	6010B	102972
600-70373-31	O-18	Total/NA	Solid	6010B	102972
600-70373-32	NO-17	Total/NA	Solid	6010B	102972
600-70373-33	NO-17 DUP	Total/NA	Solid	6010B	102972

Metals (Continued)

Analysis Batch: 103038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-34	N-18C	Total/NA	Solid	6010B	102972
600-70373-35	L-19C	Total/NA	Solid	6010B	102972
600-70373-36	M-18C	Total/NA	Solid	6010B	102972
600-70373-37	HI-15	Total/NA	Solid	6010B	102972
600-70373-38	N-18/19	Total/NA	Solid	6010B	102972
600-70373-56 - DL	L-16A1	Total/NA	Solid	6010B	102994
600-70373-59	O-15C	Total/NA	Solid	6010B	103004
600-70373-60	O-15A5	Total/NA	Solid	6010B	103004
600-70373-61	O-15A8	Total/NA	Solid	6010B	103004
600-70373-62	O-15A8 DUP	Total/NA	Solid	6010B	103004
600-70373-63	O-15A10	Total/NA	Solid	6010B	103004
600-70373-64	P-15C	Total/NA	Solid	6010B	103004
600-70373-65	O-14C	Total/NA	Solid	6010B	103004
600-70373-65 DU	O-14C	Total/NA	Solid	6010B	103004
600-70373-65 MS	O-14C	Total/NA	Solid	6010B	103004
600-70373-65 MSD	O-14C	Total/NA	Solid	6010B	103004
600-70373-66	O-13C	Total/NA	Solid	6010B	103004
600-70373-67	NO-13	Total/NA	Solid	6010B	103004
600-70373-68	P-14C	Total/NA	Solid	6010B	103004
600-70373-69	PQ-14	Total/NA	Solid	6010B	103004
600-70373-70	Q-14C	Total/NA	Solid	6010B	103004
600-70373-70 DU	Q-14C	Total/NA	Solid	6010B	103004
600-70373-70 MS	Q-14C	Total/NA	Solid	6010B	103004
600-70373-70 MSD	Q-14C	Total/NA	Solid	6010B	103004
600-70373-71	PQ-13	Total/NA	Solid	6010B	103004
600-70373-72	P-13C	Total/NA	Solid	6010B	103004
600-70373-73	P-13C DUP	Total/NA	Solid	6010B	103004
600-70373-74	O-12C	Total/NA	Solid	6010B	103004
600-70373-75	OP-12	Total/NA	Solid	6010B	103004
600-70373-76	PQ-12	Total/NA	Solid	6010B	103004
600-70373-77	P-12C	Total/NA	Solid	6010B	103004
600-70373-78	PQ-11	Total/NA	Solid	6010B	103004
600-70373-79	P-11C	Total/NA	Solid	6010B	103017
600-70373-80	PQ-9	Total/NA	Solid	6010B	103017
600-70373-81	O-11C	Total/NA	Solid	6010B	103017
600-70373-82	OP-10	Total/NA	Solid	6010B	103017
600-70373-83	MN-9	Total/NA	Solid	6010B	103017
600-70373-84	MN-9 DUP	Total/NA	Solid	6010B	103017
600-70373-84 DU	MN-9 DUP	Total/NA	Solid	6010B	103017
600-70373-84 MS	MN-9 DUP	Total/NA	Solid	6010B	103017
600-70373-84 MSD	MN-9 DUP	Total/NA	Solid	6010B	103017
600-70373-85	M-8C	Total/NA	Solid	6010B	103017
600-70373-86	LM-9	Total/NA	Solid	6010B	103017
600-70373-87	LM-10	Total/NA	Solid	6010B	103017
600-70373-87 DU	LM-10	Total/NA	Solid	6010B	103017
600-70373-87 MS	LM-10	Total/NA	Solid	6010B	103017
600-70373-87 MSD	LM-10	Total/NA	Solid	6010B	103017
600-70373-88	L-18C	Total/NA	Solid	6010B	103017
600-70373-91	Q-10/11	Total/NA	Solid	6010B	103017
600-70373-92	P-9C	Total/NA	Solid	6010B	103017
600-70373-93	OP-8	Total/NA	Solid	6010B	103017

Metals (Continued)

Analysis Batch: 103038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-94	O-8C	Total/NA	Solid	6010B	103017
600-70373-95	NO-7	Total/NA	Solid	6010B	103017
600-70373-96	N-7C	Total/NA	Solid	6010B	103017
600-70373-97	NO-8	Total/NA	Solid	6010B	103017
600-70373-98	N-8C	Total/NA	Solid	6010B	103017
600-70373-121	LM-4	Total/NA	Solid	6010B	103054
600-70373-122	LM-3	Total/NA	Solid	6010B	103054
600-70373-123	LM-2	Total/NA	Solid	6010B	103054
600-70373-124	LM-1	Total/NA	Solid	6010B	103054
600-70373-124 DU	LM-1	Total/NA	Solid	6010B	103054
600-70373-124 MS	LM-1	Total/NA	Solid	6010B	103054
600-70373-124 MSD	LM-1	Total/NA	Solid	6010B	103054
LCSSRM 600-102972/2-A	Lab Control Sample	Total/NA	Solid	6010B	102972
LCSSRM 600-103004/2-A	Lab Control Sample	Total/NA	Solid	6010B	103004
LCSSRM 600-103017/2-A	Lab Control Sample	Total/NA	Solid	6010B	103017
LCSSRM 600-103054/2-A	Lab Control Sample	Total/NA	Solid	6010B	103054
MB 600-102972/1-A	Method Blank	Total/NA	Solid	6010B	102972
MB 600-103004/1-A	Method Blank	Total/NA	Solid	6010B	103004
MB 600-103017/1-A	Method Blank	Total/NA	Solid	6010B	103017
MB 600-103054/1-A	Method Blank	Total/NA	Solid	6010B	103054

Analysis Batch: 103040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-39	M-19C	Total/NA	Solid	6010B	102994
600-70373-40	LM-19	Total/NA	Solid	6010B	102994
600-70373-40 DU	LM-19	Total/NA	Solid	6010B	102994
600-70373-40 MS	LM-19	Total/NA	Solid	6010B	102994
600-70373-40 MSD	LM-19	Total/NA	Solid	6010B	102994
600-70373-41	L-20C	Total/NA	Solid	6010B	102994
600-70373-42	L-20C DUP	Total/NA	Solid	6010B	102994
600-70373-43	K-19C	Total/NA	Solid	6010B	102994
600-70373-43 DU	K-19C	Total/NA	Solid	6010B	102994
600-70373-43 MS	K-19C	Total/NA	Solid	6010B	102994
600-70373-43 MSD	K-19C	Total/NA	Solid	6010B	102994
600-70373-44	K-20C	Total/NA	Solid	6010B	102994
600-70373-45	GH-16	Total/NA	Solid	6010B	102994
600-70373-46	GH-17	Total/NA	Solid	6010B	102994
600-70373-47	H-18C	Total/NA	Solid	6010B	102994
600-70373-48	HI-17	Total/NA	Solid	6010B	102994
600-70373-49	I-18C	Total/NA	Solid	6010B	102994
600-70373-50	I-18A2	Total/NA	Solid	6010B	102994
600-70373-51	I-18A2 DUP	Total/NA	Solid	6010B	102994
600-70373-52	HI-16	Total/NA	Solid	6010B	102994
600-70373-53	IJ-16	Total/NA	Solid	6010B	102994
600-70373-54	J-18C	Total/NA	Solid	6010B	102994
600-70373-55	KL-15	Total/NA	Solid	6010B	102994
600-70373-56	L-16A1	Total/NA	Solid	6010B	102994
600-70373-57	L-16A2	Total/NA	Solid	6010B	102994
600-70373-58	NO-14	Total/NA	Solid	6010B	102994
600-70373-99	MN-6	Total/NA	Solid	6010B	103031
600-70373-100	M-6C	Total/NA	Solid	6010B	103031

Metals (Continued)

Analysis Batch: 103040 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-101	M-6C DUP	Total/NA	Solid	6010B	103031
600-70373-102	LM-5	Total/NA	Solid	6010B	103031
600-70373-103	M-7C	Total/NA	Solid	6010B	103031
600-70373-104	L-5C	Total/NA	Solid	6010B	103031
600-70373-105	L-4C	Total/NA	Solid	6010B	103031
600-70373-106	L-3C	Total/NA	Solid	6010B	103031
600-70373-107	L-2C	Total/NA	Solid	6010B	103031
600-70373-108	KL-1	Total/NA	Solid	6010B	103031
600-70373-108 DU	KL-1	Total/NA	Solid	6010B	103031
600-70373-108 MS	KL-1	Total/NA	Solid	6010B	103031
600-70373-108 MSD	KL-1	Total/NA	Solid	6010B	103031
600-70373-109	K-2C	Total/NA	Solid	6010B	103031
600-70373-110	K-3C	Total/NA	Solid	6010B	103031
600-70373-111	KL-3	Total/NA	Solid	6010B	103031
600-70373-112	JK-2	Total/NA	Solid	6010B	103031
600-70373-112 DU	JK-2	Total/NA	Solid	6010B	103031
600-70373-112 MS	JK-2	Total/NA	Solid	6010B	103031
600-70373-112 MSD	JK-2	Total/NA	Solid	6010B	103031
600-70373-113	JK-2 DUP	Total/NA	Solid	6010B	103031
600-70373-114	JK-3	Total/NA	Solid	6010B	103031
600-70373-115	JK-4	Total/NA	Solid	6010B	103031
600-70373-116	K-4C	Total/NA	Solid	6010B	103031
600-70373-117	K-5C	Total/NA	Solid	6010B	103031
600-70373-120	M-5C	Total/NA	Solid	6010B	103031
LCSSRM 600-102994/2-A	Lab Control Sample	Total/NA	Solid	6010B	102994
LCSSRM 600-103031/2-A	Lab Control Sample	Total/NA	Solid	6010B	103031
MB 600-102994/1-A	Method Blank	Total/NA	Solid	6010B	102994
MB 600-103031/1-A	Method Blank	Total/NA	Solid	6010B	103031

Prep Batch: 103054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-121	LM-4	Total/NA	Solid	3050B	
600-70373-122	LM-3	Total/NA	Solid	3050B	
600-70373-123	LM-2	Total/NA	Solid	3050B	
600-70373-124	LM-1	Total/NA	Solid	3050B	
600-70373-124 DU	LM-1	Total/NA	Solid	3050B	
600-70373-124 MS	LM-1	Total/NA	Solid	3050B	
600-70373-124 MSD	LM-1	Total/NA	Solid	3050B	
LCSSRM 600-103054/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103054/1-A	Method Blank	Total/NA	Solid	3050B	

General Chemistry

Analysis Batch: 102366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-1	K-18C	Total/NA	Solid	Moisture	
600-70373-1 DU	K-18C	Total/NA	Solid	Moisture	
600-70373-2	JK-18	Total/NA	Solid	Moisture	
600-70373-3	JK-17	Total/NA	Solid	Moisture	
600-70373-4	JK-16	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-5	JK-15	Total/NA	Solid	Moisture	
600-70373-6	IJ-15	Total/NA	Solid	Moisture	
600-70373-7	L-16A4	Total/NA	Solid	Moisture	
600-70373-8	L-16A3	Total/NA	Solid	Moisture	
600-70373-9	M-16A4	Total/NA	Solid	Moisture	
600-70373-10	N-16A1	Total/NA	Solid	Moisture	
600-70373-11	N-16A1 DUP	Total/NA	Solid	Moisture	
600-70373-11 DU	N-16A1 DUP	Total/NA	Solid	Moisture	
600-70373-12	N-16A2	Total/NA	Solid	Moisture	
600-70373-13	Q-14/15	Total/NA	Solid	Moisture	
600-70373-14	Q-12/13	Total/NA	Solid	Moisture	
600-70373-15	Q-11C	Total/NA	Solid	Moisture	
600-70373-16	Q-10C	Total/NA	Solid	Moisture	
600-70373-17	Q-12C	Total/NA	Solid	Moisture	
600-70373-18	Q-13C	Total/NA	Solid	Moisture	
600-70373-19	QR-16	Total/NA	Solid	Moisture	
600-70373-20	O-15A15	Total/NA	Solid	Moisture	
600-70373-21	O-15A16	Total/NA	Solid	Moisture	
600-70373-21 DU	O-15A16	Total/NA	Solid	Moisture	
600-70373-21 MS	O-15A16	Total/NA	Solid	Moisture	
600-70373-21 MSD	O-15A16	Total/NA	Solid	Moisture	
600-70373-22	O-15A16 DUP	Total/NA	Solid	Moisture	
600-70373-23	O-15A13	Total/NA	Solid	Moisture	
600-70373-24	O-15A14	Total/NA	Solid	Moisture	
600-70373-25	O-15A3	Total/NA	Solid	Moisture	
600-70373-26	O-15A4	Total/NA	Solid	Moisture	
600-70373-27	O-15A2	Total/NA	Solid	Moisture	
600-70373-28	NO-16	Total/NA	Solid	Moisture	
600-70373-29	P-17C	Total/NA	Solid	Moisture	
600-70373-30	PQ-16	Total/NA	Solid	Moisture	
600-70373-31	O-18	Total/NA	Solid	Moisture	
600-70373-31 DU	O-18	Total/NA	Solid	Moisture	
600-70373-32	NO-17	Total/NA	Solid	Moisture	
600-70373-33	NO-17 DUP	Total/NA	Solid	Moisture	
600-70373-34	N-18C	Total/NA	Solid	Moisture	
600-70373-35	L-19C	Total/NA	Solid	Moisture	
600-70373-36	M-18C	Total/NA	Solid	Moisture	
600-70373-37	HI-15	Total/NA	Solid	Moisture	
600-70373-38	N-18/19	Total/NA	Solid	Moisture	
600-70373-39	M-19C	Total/NA	Solid	Moisture	
600-70373-40	LM-19	Total/NA	Solid	Moisture	
600-70373-41	L-20C	Total/NA	Solid	Moisture	
600-70373-41 DU	L-20C	Total/NA	Solid	Moisture	
600-70373-42	L-20C DUP	Total/NA	Solid	Moisture	
600-70373-43	K-19C	Total/NA	Solid	Moisture	
600-70373-43 MS	K-19C	Total/NA	Solid	Moisture	
600-70373-43 MSD	K-19C	Total/NA	Solid	Moisture	
600-70373-44	K-20C	Total/NA	Solid	Moisture	
600-70373-45	GH-16	Total/NA	Solid	Moisture	
600-70373-46	GH-17	Total/NA	Solid	Moisture	
600-70373-47	H-18C	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102366 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-48	HI-17	Total/NA	Solid	Moisture	
600-70373-49	I-18C	Total/NA	Solid	Moisture	
600-70373-50	I-18A2	Total/NA	Solid	Moisture	
600-70373-51	I-18A2 DUP	Total/NA	Solid	Moisture	
600-70373-51 DU	I-18A2 DUP	Total/NA	Solid	Moisture	
600-70373-52	HI-16	Total/NA	Solid	Moisture	
600-70373-53	IJ-16	Total/NA	Solid	Moisture	
600-70373-54	J-18C	Total/NA	Solid	Moisture	
600-70373-55	KL-15	Total/NA	Solid	Moisture	
600-70373-56	L-16A1	Total/NA	Solid	Moisture	
600-70373-57	L-16A2	Total/NA	Solid	Moisture	
600-70373-58	NO-14	Total/NA	Solid	Moisture	
600-70373-59	O-15C	Total/NA	Solid	Moisture	
600-70373-60	O-15A5	Total/NA	Solid	Moisture	
600-70373-61	O-15A8	Total/NA	Solid	Moisture	
600-70373-61 DU	O-15A8	Total/NA	Solid	Moisture	
600-70373-62	O-15A8 DUP	Total/NA	Solid	Moisture	
600-70373-63	O-15A10	Total/NA	Solid	Moisture	
600-70373-64	P-15C	Total/NA	Solid	Moisture	
600-70373-65	O-14C	Total/NA	Solid	Moisture	
600-70373-65 MS	O-14C	Total/NA	Solid	Moisture	
600-70373-65 MSD	O-14C	Total/NA	Solid	Moisture	
600-70373-66	O-13C	Total/NA	Solid	Moisture	
600-70373-67	NO-13	Total/NA	Solid	Moisture	
600-70373-68	P-14C	Total/NA	Solid	Moisture	
600-70373-69	PQ-14	Total/NA	Solid	Moisture	
600-70373-70	Q-14C	Total/NA	Solid	Moisture	
600-70373-71	PQ-13	Total/NA	Solid	Moisture	
600-70373-71 DU	PQ-13	Total/NA	Solid	Moisture	
600-70373-72	P-13C	Total/NA	Solid	Moisture	
600-70373-73	P-13C DUP	Total/NA	Solid	Moisture	
600-70373-74	O-12C	Total/NA	Solid	Moisture	
600-70373-75	OP-12	Total/NA	Solid	Moisture	
600-70373-76	PQ-12	Total/NA	Solid	Moisture	
600-70373-77	P-12C	Total/NA	Solid	Moisture	
600-70373-78	PQ-11	Total/NA	Solid	Moisture	
600-70373-79	P-11C	Total/NA	Solid	Moisture	
600-70373-80	PQ-9	Total/NA	Solid	Moisture	
600-70373-81	O-11C	Total/NA	Solid	Moisture	
600-70373-81 DU	O-11C	Total/NA	Solid	Moisture	
600-70373-82	OP-10	Total/NA	Solid	Moisture	
600-70373-83	MN-9	Total/NA	Solid	Moisture	
600-70373-84	MN-9 DUP	Total/NA	Solid	Moisture	
600-70373-85	M-8C	Total/NA	Solid	Moisture	
600-70373-86	LM-9	Total/NA	Solid	Moisture	
600-70373-87	LM-10	Total/NA	Solid	Moisture	
600-70373-87 MS	LM-10	Total/NA	Solid	Moisture	
600-70373-87 MSD	LM-10	Total/NA	Solid	Moisture	
600-70373-88	L-18C	Total/NA	Solid	Moisture	
600-70373-91	Q-10/11	Total/NA	Solid	Moisture	
600-70373-92	P-9C	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102371

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70373-93	OP-8	Total/NA	Solid	Moisture	
600-70373-93 DU	OP-8	Total/NA	Solid	Moisture	
600-70373-94	O-8C	Total/NA	Solid	Moisture	
600-70373-95	NO-7	Total/NA	Solid	Moisture	
600-70373-96	N-7C	Total/NA	Solid	Moisture	
600-70373-97	NO-8	Total/NA	Solid	Moisture	
600-70373-98	N-8C	Total/NA	Solid	Moisture	
600-70373-99	MN-6	Total/NA	Solid	Moisture	
600-70373-100	M-6C	Total/NA	Solid	Moisture	
600-70373-101	M-6C DUP	Total/NA	Solid	Moisture	
600-70373-102	LM-5	Total/NA	Solid	Moisture	
600-70373-103	M-7C	Total/NA	Solid	Moisture	
600-70373-103 DU	M-7C	Total/NA	Solid	Moisture	
600-70373-104	L-5C	Total/NA	Solid	Moisture	
600-70373-105	L-4C	Total/NA	Solid	Moisture	
600-70373-106	L-3C	Total/NA	Solid	Moisture	
600-70373-107	L-2C	Total/NA	Solid	Moisture	
600-70373-108	KL-1	Total/NA	Solid	Moisture	
600-70373-108 MS	KL-1	Total/NA	Solid	Moisture	
600-70373-108 MSD	KL-1	Total/NA	Solid	Moisture	
600-70373-109	K-2C	Total/NA	Solid	Moisture	
600-70373-110	K-3C	Total/NA	Solid	Moisture	
600-70373-111	KL-3	Total/NA	Solid	Moisture	
600-70373-112	JK-2	Total/NA	Solid	Moisture	
600-70373-113	JK-2 DUP	Total/NA	Solid	Moisture	
600-70373-113 DU	JK-2 DUP	Total/NA	Solid	Moisture	
600-70373-114	JK-3	Total/NA	Solid	Moisture	
600-70373-115	JK-4	Total/NA	Solid	Moisture	
600-70373-116	K-4C	Total/NA	Solid	Moisture	
600-70373-117	K-5C	Total/NA	Solid	Moisture	
600-70373-120	M-5C	Total/NA	Solid	Moisture	
600-70373-121	LM-4	Total/NA	Solid	Moisture	
600-70373-122	LM-3	Total/NA	Solid	Moisture	
600-70373-123	LM-2	Total/NA	Solid	Moisture	
600-70373-124	LM-1	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: K-18C
Lab Sample ID: 600-70373-1

Date Collected: 03/19/13 09:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: JK-18
Lab Sample ID: 600-70373-2

Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: JK-17
Lab Sample ID: 600-70373-3

Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: JK-16
Lab Sample ID: 600-70373-4

Date Collected: 03/19/13 09:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: JK-15
Lab Sample ID: 600-70373-5

Date Collected: 03/19/13 10:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: IJ-15

Lab Sample ID: 600-70373-6

Date Collected: 03/19/13 10:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-16A4

Lab Sample ID: 600-70373-7

Date Collected: 03/19/13 10:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-16A3

Lab Sample ID: 600-70373-8

Date Collected: 03/19/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: M-16A4

Lab Sample ID: 600-70373-9

Date Collected: 03/19/13 10:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: N-16A1

Lab Sample ID: 600-70373-10

Date Collected: 03/19/13 11:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: N-16A1 DUP

Lab Sample ID: 600-70373-11

Date Collected: 03/19/13 11:00

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 15:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: N-16A2

Lab Sample ID: 600-70373-12

Date Collected: 03/19/13 11:15

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 93.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-14/15

Lab Sample ID: 600-70373-13

Date Collected: 03/19/13 11:40

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-12/13

Lab Sample ID: 600-70373-14

Date Collected: 03/19/13 11:45

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-11C

Lab Sample ID: 600-70373-15

Date Collected: 03/19/13 11:55

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: Q-10C

Lab Sample ID: 600-70373-16

Date Collected: 03/19/13 12:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-12C

Lab Sample ID: 600-70373-17

Date Collected: 03/19/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-13C

Lab Sample ID: 600-70373-18

Date Collected: 03/19/13 12:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102784	03/28/13 16:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 16:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: QR-16

Lab Sample ID: 600-70373-19

Date Collected: 03/19/13 14:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 10:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A15

Lab Sample ID: 600-70373-20

Date Collected: 03/19/13 14:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B	DL		102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103038	04/02/13 14:05	DCL	TAL HOU
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 10:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: O-15A16

Lab Sample ID: 600-70373-21

Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A16 DUP

Lab Sample ID: 600-70373-22

Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A13

Lab Sample ID: 600-70373-23

Date Collected: 03/19/13 14:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A14

Lab Sample ID: 600-70373-24

Date Collected: 03/19/13 14:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A3

Lab Sample ID: 600-70373-25

Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: O-15A4

Lab Sample ID: 600-70373-26

Date Collected: 03/19/13 15:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A2

Lab Sample ID: 600-70373-27

Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: NO-16

Lab Sample ID: 600-70373-28

Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 95.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-17C

Lab Sample ID: 600-70373-29

Date Collected: 03/19/13 15:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 91.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: PQ-16

Lab Sample ID: 600-70373-30

Date Collected: 03/19/13 15:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-18

Lab Sample ID: 600-70373-31

Date Collected: 03/19/13 16:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: NO-17

Lab Sample ID: 600-70373-32

Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 11:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: NO-17 DUP

Lab Sample ID: 600-70373-33

Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: N-18C

Lab Sample ID: 600-70373-34

Date Collected: 03/19/13 16:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-19C

Lab Sample ID: 600-70373-35

Date Collected: 03/19/13 16:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: M-18C

Lab Sample ID: 600-70373-36

Date Collected: 03/19/13 16:30

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: HI-15

Lab Sample ID: 600-70373-37

Date Collected: 03/19/13 16:50

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: N-18/19

Lab Sample ID: 600-70373-38

Date Collected: 03/19/13 17:05

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 93.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102972	04/01/13 14:01	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: M-19C

Lab Sample ID: 600-70373-39

Date Collected: 03/19/13 17:10

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: LM-19

Lab Sample ID: 600-70373-40

Date Collected: 03/19/13 17:15

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-20C

Lab Sample ID: 600-70373-41

Date Collected: 03/19/13 17:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:27	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-20C DUP

Lab Sample ID: 600-70373-42

Date Collected: 03/19/13 17:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: K-19C

Lab Sample ID: 600-70373-43

Date Collected: 03/19/13 17:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: K-20C

Lab Sample ID: 600-70373-44

Date Collected: 03/19/13 18:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 12:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: GH-16

Lab Sample ID: 600-70373-45

Date Collected: 03/19/13 08:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: GH-17

Lab Sample ID: 600-70373-46

Date Collected: 03/19/13 08:50
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: H-18C

Lab Sample ID: 600-70373-47

Date Collected: 03/19/13 09:00
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: HI-17

Lab Sample ID: 600-70373-48

Date Collected: 03/19/13 09:10
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 85.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: I-18C

Lab Sample ID: 600-70373-49

Date Collected: 03/19/13 09:20
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 88.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:17	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: I-18A2

Lab Sample ID: 600-70373-50

Date Collected: 03/19/13 09:40
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: I-18A2 DUP

Lab Sample ID: 600-70373-51

Date Collected: 03/19/13 09:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: HI-16

Lab Sample ID: 600-70373-52

Date Collected: 03/19/13 09:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: IJ-16

Lab Sample ID: 600-70373-53

Date Collected: 03/19/13 10:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: J-18C

Lab Sample ID: 600-70373-54

Date Collected: 03/19/13 10:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: KL-15

Lab Sample ID: 600-70373-55

Date Collected: 03/19/13 10:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-16A1

Lab Sample ID: 600-70373-56

Date Collected: 03/19/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 61.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B	DL		102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103038	04/02/13 15:58	DCL	TAL HOU
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-16A2

Lab Sample ID: 600-70373-57

Date Collected: 03/19/13 10:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 64.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: NO-14

Lab Sample ID: 600-70373-58

Date Collected: 03/19/13 11:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			102994	04/01/13 15:21	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 13:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15C

Lab Sample ID: 600-70373-59

Date Collected: 03/19/13 11:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A5

Lab Sample ID: 600-70373-60

Date Collected: 03/19/13 11:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: O-15A8

Lab Sample ID: 600-70373-61

Date Collected: 03/19/13 11:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A8 DUP

Lab Sample ID: 600-70373-62

Date Collected: 03/19/13 11:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-15A10

Lab Sample ID: 600-70373-63

Date Collected: 03/19/13 11:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-15C

Lab Sample ID: 600-70373-64

Date Collected: 03/19/13 12:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-14C

Lab Sample ID: 600-70373-65

Date Collected: 03/19/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 12:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-13C

Lab Sample ID: 600-70373-66

Date Collected: 03/19/13 14:20
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 92.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: NO-13

Lab Sample ID: 600-70373-67

Date Collected: 03/19/13 14:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-14C

Lab Sample ID: 600-70373-68

Date Collected: 03/19/13 14:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: PQ-14

Lab Sample ID: 600-70373-69

Date Collected: 03/19/13 14:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: Q-14C

Lab Sample ID: 600-70373-70

Date Collected: 03/19/13 15:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: PQ-13

Lab Sample ID: 600-70373-71

Date Collected: 03/19/13 15:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-13C

Lab Sample ID: 600-70373-72

Date Collected: 03/19/13 15:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-13C DUP

Lab Sample ID: 600-70373-73

Date Collected: 03/19/13 15:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-12C

Lab Sample ID: 600-70373-74

Date Collected: 03/19/13 15:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: OP-12

Lab Sample ID: 600-70373-75

Date Collected: 03/19/13 15:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: PQ-12

Lab Sample ID: 600-70373-76

Date Collected: 03/19/13 15:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-12C

Lab Sample ID: 600-70373-77

Date Collected: 03/19/13 15:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: PQ-11

Lab Sample ID: 600-70373-78

Date Collected: 03/19/13 16:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103004	04/01/13 16:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 13:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-11C

Lab Sample ID: 600-70373-79

Date Collected: 03/19/13 16:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: PQ-9

Lab Sample ID: 600-70373-80

Date Collected: 03/19/13 16:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: O-11C

Lab Sample ID: 600-70373-81

Date Collected: 03/19/13 16:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: OP-10

Lab Sample ID: 600-70373-82

Date Collected: 03/19/13 16:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: MN-9

Lab Sample ID: 600-70373-83

Date Collected: 03/19/13 17:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: MN-9 DUP

Lab Sample ID: 600-70373-84

Date Collected: 03/19/13 17:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 14:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: M-8C

Lab Sample ID: 600-70373-85

Date Collected: 03/19/13 17:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: LM-9

Lab Sample ID: 600-70373-86

Date Collected: 03/19/13 17:20
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 90.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: LM-10

Lab Sample ID: 600-70373-87

Date Collected: 03/19/13 17:30
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 87.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:07	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: L-18C

Lab Sample ID: 600-70373-88

Date Collected: 03/19/13 18:00
Date Received: 03/21/13 08:58

Matrix: Solid
Percent Solids: 82.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:17	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: EQ-3

Lab Sample ID: 600-70373-89

Date Collected: 03/19/13 18:15
Date Received: 03/21/13 08:58

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102296	03/22/13 09:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 11:21	DCL	TAL HOU

Client Sample ID: EQ-4

Lab Sample ID: 600-70373-90

Date Collected: 03/19/13 18:15
Date Received: 03/21/13 08:58

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102296	03/22/13 09:27	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 11:30	DCL	TAL HOU

Client Sample ID: Q-10/11

Lab Sample ID: 600-70373-91

Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: P-9C

Lab Sample ID: 600-70373-92

Date Collected: 03/20/13 08:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:29	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102366	03/22/13 16:13	MB	TAL HOU

Client Sample ID: OP-8

Lab Sample ID: 600-70373-93

Date Collected: 03/20/13 08:55
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: O-8C

Lab Sample ID: 600-70373-94

Date Collected: 03/20/13 09:00
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:34	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: NO-7

Lab Sample ID: 600-70373-95

Date Collected: 03/20/13 09:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: N-7C

Lab Sample ID: 600-70373-96

Date Collected: 03/20/13 09:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:39	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: NO-8

Lab Sample ID: 600-70373-97

Date Collected: 03/20/13 09:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: N-8C

Lab Sample ID: 600-70373-98

Date Collected: 03/20/13 09:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103017	04/01/13 17:37	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 15:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: MN-6

Lab Sample ID: 600-70373-99

Date Collected: 03/20/13 09:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:28	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: M-6C

Lab Sample ID: 600-70373-100

Date Collected: 03/20/13 09:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: M-6C DUP — Lab Sample ID: 600-70373-101

Date Collected: 03/20/13 09:45 — **Matrix: Solid**
Date Received: 03/21/13 08:58 — **Percent Solids: 85.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: LM-5 — Lab Sample ID: 600-70373-102

Date Collected: 03/20/13 09:55 — **Matrix: Solid**
Date Received: 03/21/13 08:58 — **Percent Solids: 82.3**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: M-7C — Lab Sample ID: 600-70373-103

Date Collected: 03/20/13 10:00 — **Matrix: Solid**
Date Received: 03/21/13 08:58 — **Percent Solids: 83.8**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: L-5C — Lab Sample ID: 600-70373-104

Date Collected: 03/20/13 10:15 — **Matrix: Solid**
Date Received: 03/21/13 08:58 — **Percent Solids: 80.7**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: L-4C — Lab Sample ID: 600-70373-105

Date Collected: 03/20/13 10:20 — **Matrix: Solid**
Date Received: 03/21/13 08:58 — **Percent Solids: 81.1**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: L-3C

Lab Sample ID: 600-70373-106

Date Collected: 03/20/13 10:25
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 14:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: L-2C

Lab Sample ID: 600-70373-107

Date Collected: 03/20/13 10:30
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:07	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: KL-1

Lab Sample ID: 600-70373-108

Date Collected: 03/20/13 10:35
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: K-2C

Lab Sample ID: 600-70373-109

Date Collected: 03/20/13 10:40
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: K-3C

Lab Sample ID: 600-70373-110

Date Collected: 03/20/13 10:45
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:30	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: KL-3

Lab Sample ID: 600-70373-111

Date Collected: 03/20/13 10:50
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:34	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: JK-2

Lab Sample ID: 600-70373-112

Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 15:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: JK-2 DUP

Lab Sample ID: 600-70373-113

Date Collected: 03/20/13 11:05
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: JK-3

Lab Sample ID: 600-70373-114

Date Collected: 03/20/13 11:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: JK-4

Lab Sample ID: 600-70373-115

Date Collected: 03/20/13 11:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: K-4C

Lab Sample ID: 600-70373-116

Date Collected: 03/20/13 11:20

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: K-5C

Lab Sample ID: 600-70373-117

Date Collected: 03/20/13 11:25

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: M-5C

Lab Sample ID: 600-70373-120

Date Collected: 03/20/13 11:55

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103031	04/02/13 08:19	NER	TAL HOU
Total/NA	Analysis	6010B		1	103040	04/02/13 16:20	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: LM-4

Lab Sample ID: 600-70373-121

Date Collected: 03/20/13 12:00

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 17:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: LM-3

Lab Sample ID: 600-70373-122

Date Collected: 03/20/13 12:05

Matrix: Solid

Date Received: 03/21/13 08:58

Percent Solids: 80.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 17:47	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Client Sample ID: LM-2

Lab Sample ID: 600-70373-123

Date Collected: 03/20/13 12:10
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 77.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 17:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Client Sample ID: LM-1

Lab Sample ID: 600-70373-124

Date Collected: 03/20/13 12:15
Matrix: Solid
Date Received: 03/21/13 08:58
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 17:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102371	03/22/13 17:17	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70373-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225401
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 11
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): Pb, Cd 6010
K-18C	3/19/13	0945				X	X						X
JK-18		0950											
JK-17		0950											
JK-16		0955											
JK-15		1005											
IJ-15		1030											
L-16A4		1040											
L-16A3		1045											
M-16A4		1055											
N-16A1		1100											
N-16A1 Dup		1100											
N-16A2		1115											

Special Instructions/ Conditions of Receipt

600-70373 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/20/13	1500	1. Received By:	3/20/13	1500
2. Relinquished By:	3/20/13	1730	2. Received By:	3/20/13	858
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225402
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 11**
	512-671-3434		

City	State	Zip Code	Site Contact	Lab Contact

Project Name and Location (State)	Carrier/Waybill Number
Exide VCP Investigation	

Contract/Purchase Order/Quote No.

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Pb, Cd 6010														
Q-14/15	3/19/13	1140				X	X						X													
Q-12/13		1145																								
Q-11C		1155																								
Q-10C		1205																								
Q-12C		1210																								
Q-13C		1215																								
QR-16		1420																								
D-15A15		1425																								
D-15A16		1430																								MS/MSD
D-15A16 Dup		1430																								
D-15A13		1435																								
D-15A14	↓	1440																								

Possible Hazard Identification

☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/20/13	1500		3/20/13	1500
2.		3/20/13	1730		3/21/13	858
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225403
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 3 **of** 11
	512-671-3434		

City	State	Zip Code	Site Contact	Lab Contact

Project Name and Location (State)	Carrier/Waybill Number
Exide VCP Investigation	

Contract/Purchase Order/Quote No.

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis (Attach list if more space is needed): Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A3'	3/19/13	1450				X	X						X	
O-15A4		1520												
O-15A2		1530												
NO-16		1530												
P-17C		1540												
PQ-16		1545												
O-18		1600												
NO-17		1605												
NO-17 DUP		1605												
N-18C		1610												
L-19C		1615												
M-18C		1630												

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

1. Relinquished By	Date	Time	1. Received By	Date	Time
Tim Nickels	3/20/13	1500		3/20/13	1501
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
	3/20/13	1730		3/21/13	8:58
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nickels	3/20/13	225404
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 11
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
H1-15	3/19/13	1650				X	X						X	
N-18/19		1705												
M-19C		1710												
LM-19		1715												
L-20C		1725												
L-20C Dup		1725												
K-19C		1750												MS/MSD
K-20C		1800												
GH-16		0840												
GH-17		0850												
H-18C		0900												
H1-17	↓	0910				↓	↓						↓	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/20/13	1505		3/20/13	1700
2.		3/20/13	1730		3/21/13	0858
3.		Date	Time		Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225405
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 5 of 11**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb,Cd Gold	Special Instructions/ Conditions of Receipt
I-18C	3/19/13	0920				X	X						X	
I-18A2		0940												
I-18A2 DUP		0940												
H1-16		0930												
I1-16		1000												
J-18C		1010												
K-15		1035												
L-16A1		1045												
L-16A2		1055												
N0-14		1110												
O-15C		1130												
O-15A5		1135												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/20/13	1500	1. Received By: Luke Cowan	3/20/13	1500
2. Relinquished By: Luke Cowan	3/20/13	1720	2. Received By: Anna Copp	3/21/13	850
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225406
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 6 of 11**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide I/EP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Cd, Pb 6010	Special Instructions/ Conditions of Receipt
O-15A8	3/19/13	1145				X	X						X	
O-15A8 Dup		1145												
O-15A10		1155												
P-15C		1200												
O-14C		1210												MS/MSD
O-13C		1420												
NO-13		1430												
P-14C		1445												
PQ-14		1450												
Q-14C		1500												
PQ-13		1505												
P-13C	↓	1515				↓	↓						↓	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/20/13	1500	Mike Cowan	3/20/13	1500
2.	Mike Cowan	3/20/13	1730	Kim Capps	3/21/13	858
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225407
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 7 of 11**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/CD 6010	Special Instructions/ Conditions of Receipt
P-13C Dup	3/19/13	1515				X	X						X	
O-12C		1530												
OP-12		1540												
PQ-12		1545												
P-12C		1550												
PQ-11		1605												
P-11C		1615												
PQ-9		1625												
O-11C		1635												
OP-10		1650												
MN-9		1700												
MN-9 Dup	↓	1700				↓	↓						↓	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

1. Relinquished By	Date	Time	1. Received By	Date	Time
Tim Nickels	3/20/13	1500		3/20/13	1500
2. Relinquished By	**Date**	**Time**	**2. Received By**	**Date**	**Time**
	3/20/13	1730		3/21/13	858
3. Relinquished By	**Date**	**Time**	**3. Received By**	**Date**	**Time**

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: PBW LLC	Project Manager: Tim Nickels	Date: 3/20/13	Chain of Custody Number: 225408
Address	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number	Page 8 of 11
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State): Exide VCP Investigation	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb by CA 6010	Special Instructions/ Conditions of Receipt
LM-8C	3/19/13	1710				X	X						X	
LM-9		1720				X	X						X	
LM-10		1730				X	X						X	MS/MSD
L-18C		1800				X	X						X	
EQ-3		1815		X					X					
EQ-4		1815		X					X					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/20/13	1500	1. Received By: A McCown	3/20/13	1520
2. Relinquished By: A McCown	3/20/13	1730	2. Received By: Anna Cleghorn	3/21/13	858
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/20/13	225409
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 9 of 11**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: TCLP Lead Gdc	Special Instructions/ Conditions of Receipt
Q-10/11	3/20/13	0840				X	X						X	
P-9C		0850												
OP-8		0855												
O-8C		0900												
NO-7		0905												
N-7C		0910												
NO-8		0925												
N-8C		0930												
NN-6		0940												
M-6C		0945												
M-6C DUP		0945												
LM-5		0955												

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TCLP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/20/13	1500	1. Received By:	3/20/13	1500
2. Relinquished By:	3/20/13	1730	2. Received By:	3/21/13	858
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nickels	3/20/13	225410
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 10 of 11
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
M-7C	3/20/13	1000				X	X						X	
L-5C		1015												
L-4C		1020												
L-3C		1025												
L-2C		1030												
KL-1		1035												MS/MSD
K-2C		1040												
K-3C		1045												
KL-3		1050												
JK-2		1105												
JK-2 DUP		1105												
JK-3		1110												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/20/13	1500		3/20/13	1500
2.		3/20/13	1730		3/21/13	858
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nickels	3/20/13	225411
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 11 of 11
	512-671-3434		
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb, Cd, Co	Special Instructions/ Conditions of Receipt
JK-4	3/20/13	1115				X	X						X	
K-4C		1120				X	X						X	
K-5C		1125				X	X						X	
K-5C dup		1125				X	X						X	
JK-5		1135				X	X						X	
M-5C		1155				X	X						X	
LM-4		1200				X	X						X	MS/MSD
LM-3		1205				X	X						X	
LM-2		1210				X	X						X	
LM-1		1215				X	X						X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

1. Relinquished By	Date	Time	1. Received By	Date	Time
Tim Nickels	3/20/13	1500	McClure	3/20/13	1500
2. Relinquished By	Date	Time	2. Received By	Date	Time
McClure	3/20/13	1730		3/21/13	858
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70373-1

Login Number: 70373

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	14.7/16.8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	Refer to Job Narrative for details.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70422-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 2

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:08:39 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70422-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70422
Reviewer Name: TWR	Prep Batch Number(s): 600-102708(w), 103054, 103065, 103069, 103136(s) ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70422
Reviewer Name: TWR	Prep Batch Number(s): 600-102708(w), 103054, 103065, 103069, 103136(s) ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70422
Reviewer Name: TWR	Prep Batch Number(s): 600-102708(w), 103054, 103065, 103069, 103136(s) ICP

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-70422-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70422-1

Comments
The report was revised on 04/18/13 to update sample IDs and again on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/22/2013 8:38 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 18.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70422-1	O-7C	Solid	03/20/13 14:20	03/22/13 08:38
600-70422-2	P-8C	Solid	03/20/13 14:30	03/22/13 08:38
600-70422-3	NO-6	Solid	03/20/13 14:35	03/22/13 08:38
600-70422-4	NO-6 Dup	Solid	03/20/13 14:35	03/22/13 08:38
600-70422-5	N-6C	Solid	03/20/13 14:40	03/22/13 08:38
600-70422-6	M-1C	Solid	03/20/13 15:40	03/22/13 08:38
600-70422-7	M-2C	Solid	03/20/13 15:45	03/22/13 08:38
600-70422-8	M-3C	Solid	03/20/13 15:50	03/22/13 08:38
600-70422-9	M-4C	Solid	03/20/13 15:55	03/22/13 08:38
600-70422-10	N-2C	Solid	03/20/13 16:00	03/22/13 08:38
600-70422-11	MN-2	Solid	03/20/13 16:05	03/22/13 08:38
600-70422-12	HI-2	Solid	03/20/13 16:30	03/22/13 08:38
600-70422-13	HI-3	Solid	03/20/13 16:35	03/22/13 08:38
600-70422-14	HI-3 Dup	Solid	03/20/13 16:35	03/22/13 08:38
600-70422-15	HI-4	Solid	03/20/13 16:40	03/22/13 08:38
600-70422-16	HI-5	Solid	03/20/13 16:45	03/22/13 08:38
600-70422-17	HI-6	Solid	03/20/13 16:55	03/22/13 08:38
600-70422-18	P-10C	Solid	03/20/13 08:40	03/22/13 08:38
600-70422-19	PQ-10	Solid	03/20/13 08:50	03/22/13 08:38
600-70422-20	O-10C	Solid	03/20/13 09:00	03/22/13 08:38
600-70422-21	O-9C	Solid	03/20/13 09:10	03/22/13 08:38
600-70422-22	NO-9	Solid	03/20/13 09:15	03/22/13 08:38
600-70422-23	MN-8	Solid	03/20/13 09:30	03/22/13 08:38
600-70422-24	MN-8 Dup	Solid	03/20/13 09:30	03/22/13 08:38
600-70422-25	LM-8	Solid	03/20/13 09:45	03/22/13 08:38
600-70422-26	LM-7	Solid	03/20/13 09:55	03/22/13 08:38
600-70422-27	LM-6	Solid	03/20/13 10:10	03/22/13 08:38
600-70422-28	KL-9	Solid	03/20/13 10:30	03/22/13 08:38
600-70422-29	KL-8	Solid	03/20/13 10:40	03/22/13 08:38
600-70422-30	KL-7	Solid	03/20/13 10:45	03/22/13 08:38
600-70422-31	KL-6	Solid	03/20/13 10:55	03/22/13 08:38
600-70422-32	KL-5	Solid	03/20/13 11:00	03/22/13 08:38
600-70422-33	JK-6	Solid	03/20/13 11:10	03/22/13 08:38
600-70422-34	IJ-5	Solid	03/20/13 11:50	03/22/13 08:38
600-70422-35	IJ-5 Dup	Solid	03/20/13 11:50	03/22/13 08:38
600-70422-36	IJ-6	Solid	03/20/13 11:55	03/22/13 08:38
600-70422-37	IJ-4	Solid	03/20/13 12:05	03/22/13 08:38
600-70422-38	IJ-3	Solid	03/20/13 12:10	03/22/13 08:38
600-70422-39	IJ-2	Solid	03/20/13 12:15	03/22/13 08:38
600-70422-40	PQ-7	Solid	03/20/13 14:15	03/22/13 08:38
600-70422-41	P-7C	Solid	03/20/13 14:30	03/22/13 08:38
600-70422-42	OP-6	Solid	03/20/13 14:35	03/22/13 08:38
600-70422-43	P-6C	Solid	03/20/13 14:40	03/22/13 08:38
600-70422-44	O-6C	Solid	03/20/13 14:45	03/22/13 08:38
600-70422-45	NO-5	Solid	03/20/13 14:55	03/22/13 08:38
600-70422-46	NO-5 Dup	Solid	03/20/13 14:55	03/22/13 08:38
600-70422-47	O-5C	Solid	03/20/13 15:20	03/22/13 08:38
600-70422-48	NO-3	Solid	03/20/13 15:30	03/22/13 08:38
600-70422-49	OP-4	Solid	03/20/13 15:35	03/22/13 08:38
600-70422-50	N-4C	Solid	03/20/13 15:40	03/22/13 08:38
600-70422-51	MN-4	Solid	03/20/13 15:45	03/22/13 08:38
600-70422-52	N-5C	Solid	03/20/13 15:50	03/22/13 08:38
600-70422-53	N-3C	Solid	03/20/13 16:20	03/22/13 08:38

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70422-54	N-3C DUP	Solid	03/20/13 16:20	03/22/13 08:38
600-70422-55	NO-2	Solid	03/20/13 16:25	03/22/13 08:38
600-70422-56	HI-7	Solid	03/20/13 16:45	03/22/13 08:38
600-70422-57	JK-5	Solid	03/20/13 11:35	03/22/13 08:38
600-70422-58	K-5C Dup	Solid	03/20/13 11:25	03/22/13 08:38
600-70422-59	EQ-5	Water	03/20/13 17:00	03/22/13 08:38
600-70422-60	EQ-6	Water	03/20/13 17:00	03/22/13 08:38

Client Sample ID: O-7C

Lab Sample ID: 600-70422-1

Date Collected: 03/20/13 14:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 72.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.197	J	0.340	0.0348	mg/Kg	☼	04/02/13 12:14	04/02/13 18:09	1
Lead	31.3		0.679	0.142	mg/Kg	☼	04/02/13 12:14	04/02/13 18:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	72		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: P-8C

Lab Sample ID: 600-70422-2

Date Collected: 03/20/13 14:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.618		0.286	0.0293	mg/Kg	☼	04/02/13 12:14	04/02/13 18:12	1
Lead	103		0.572	0.120	mg/Kg	☼	04/02/13 12:14	04/02/13 18:12	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	80		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-6

Lab Sample ID: 600-70422-3

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.237	J	0.297	0.0304	mg/Kg	☼	04/02/13 12:14	04/02/13 18:14	1
Lead	34.3		0.593	0.124	mg/Kg	☼	04/02/13 12:14	04/02/13 18:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	83		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-6 Dup

Lab Sample ID: 600-70422-4

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.242	J	0.289	0.0296	mg/Kg	☼	04/02/13 12:14	04/02/13 18:17	1
Lead	33.0		0.577	0.121	mg/Kg	☼	04/02/13 12:14	04/02/13 18:17	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	82		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-6C
Lab Sample ID: 600-70422-5
Date Collected: 03/20/13 14:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.332		0.314	0.0322	mg/Kg	☼	04/02/13 12:14	04/02/13 18:19	1
Lead	43.3		0.627	0.131	mg/Kg	☼	04/02/13 12:14	04/02/13 18:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: M-1C
Lab Sample ID: 600-70422-6
Date Collected: 03/20/13 15:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 64.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.335	J	0.364	0.0373	mg/Kg	☼	04/02/13 12:14	04/02/13 18:30	1
Lead	37.1		0.728	0.153	mg/Kg	☼	04/02/13 12:14	04/02/13 18:30	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	35		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	65		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: M-2C
Lab Sample ID: 600-70422-7
Date Collected: 03/20/13 15:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.250	J	0.278	0.0285	mg/Kg	☼	04/02/13 12:14	04/02/13 18:40	1
Lead	39.0		0.556	0.116	mg/Kg	☼	04/02/13 12:14	04/02/13 18:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	83		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: M-3C
Lab Sample ID: 600-70422-8
Date Collected: 03/20/13 15:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.306		0.295	0.0302	mg/Kg	☼	04/02/13 12:14	04/02/13 18:42	1
Lead	38.6		0.589	0.124	mg/Kg	☼	04/02/13 12:14	04/02/13 18:42	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	81		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: M-4C

Lab Sample ID: 600-70422-9
Date Collected: 03/20/13 15:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.387		0.293	0.0301	mg/Kg	☼	04/02/13 12:14	04/02/13 18:45	1
Lead	50.5		0.587	0.123	mg/Kg	☼	04/02/13 12:14	04/02/13 18:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-2C

Lab Sample ID: 600-70422-10
Date Collected: 03/20/13 16:00
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 86.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.219	J	0.288	0.0295	mg/Kg	☼	04/02/13 12:14	04/02/13 18:47	1
Lead	22.4		0.576	0.121	mg/Kg	☼	04/02/13 12:14	04/02/13 18:47	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	87		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: MN-2

Lab Sample ID: 600-70422-11
Date Collected: 03/20/13 16:05
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 87.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.200	J	0.271	0.0278	mg/Kg	☼	04/02/13 12:14	04/02/13 18:50	1
Lead	29.5		0.542	0.114	mg/Kg	☼	04/02/13 12:14	04/02/13 18:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	88		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-2

Lab Sample ID: 600-70422-12
Date Collected: 03/20/13 16:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.899		0.296	0.0303	mg/Kg	☼	04/02/13 12:14	04/02/13 18:52	1
Lead	134		0.592	0.124	mg/Kg	☼	04/02/13 12:14	04/02/13 18:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-3
Lab Sample ID: 600-70422-13
Date Collected: 03/20/13 16:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.43		0.313	0.0321	mg/Kg	☼	04/02/13 12:14	04/02/13 18:54	1
Lead	199		0.626	0.131	mg/Kg	☼	04/02/13 12:14	04/02/13 18:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-3 Dup
Lab Sample ID: 600-70422-14
Date Collected: 03/20/13 16:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.40		0.298	0.0305	mg/Kg	☼	04/02/13 12:14	04/02/13 18:57	1
Lead	191		0.596	0.125	mg/Kg	☼	04/02/13 12:14	04/02/13 18:57	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-4
Lab Sample ID: 600-70422-15
Date Collected: 03/20/13 16:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 74.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.16		0.328	0.0336	mg/Kg	☼	04/02/13 12:14	04/02/13 18:59	1
Lead	260		0.655	0.137	mg/Kg	☼	04/02/13 12:14	04/02/13 18:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	75		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-5
Lab Sample ID: 600-70422-16
Date Collected: 03/20/13 16:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.76		0.324	0.0333	mg/Kg	☼	04/02/13 12:14	04/02/13 19:02	1
Lead	278		0.649	0.136	mg/Kg	☼	04/02/13 12:14	04/02/13 19:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	76		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-6

Lab Sample ID: 600-70422-17

Date Collected: 03/20/13 16:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.72		0.305	0.0313	mg/Kg	☼	04/02/13 13:07	04/02/13 19:21	1
Lead	472		0.610	0.128	mg/Kg	☼	04/02/13 13:07	04/02/13 19:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	77		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: P-10C

Lab Sample ID: 600-70422-18

Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.560		0.295	0.0302	mg/Kg	☼	04/02/13 13:07	04/02/13 19:23	1
Lead	80.9		0.590	0.124	mg/Kg	☼	04/02/13 13:07	04/02/13 19:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: PQ-10

Lab Sample ID: 600-70422-19

Date Collected: 03/20/13 08:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.420		0.276	0.0283	mg/Kg	☼	04/02/13 13:07	04/02/13 19:26	1
Lead	54.0		0.553	0.116	mg/Kg	☼	04/02/13 13:07	04/02/13 19:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	85		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: O-10C

Lab Sample ID: 600-70422-20

Date Collected: 03/20/13 09:00
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.645		0.296	0.0304	mg/Kg	☼	04/02/13 13:07	04/02/13 19:43	1
Lead	103		0.592	0.124	mg/Kg	☼	04/02/13 13:07	04/02/13 19:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	82		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: O-9C

Lab Sample ID: 600-70422-21

Date Collected: 03/20/13 09:10
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.527		0.299	0.0307	mg/Kg	☼	04/02/13 13:07	04/02/13 19:45	1
Lead	78.2		0.599	0.126	mg/Kg	☼	04/02/13 13:07	04/02/13 19:45	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-9

Lab Sample ID: 600-70422-22

Date Collected: 03/20/13 09:15
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.544		0.296	0.0303	mg/Kg	☼	04/02/13 13:07	04/02/13 19:48	1
Lead	74.7		0.592	0.124	mg/Kg	☼	04/02/13 13:07	04/02/13 19:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	83		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: MN-8

Lab Sample ID: 600-70422-23

Date Collected: 03/20/13 09:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 79.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.609		0.302	0.0309	mg/Kg	☼	04/02/13 13:07	04/02/13 19:58	1
Lead	71.3		0.603	0.127	mg/Kg	☼	04/02/13 13:07	04/02/13 19:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	80		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: MN-8 Dup

Lab Sample ID: 600-70422-24

Date Collected: 03/20/13 09:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 79.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.518		0.298	0.0306	mg/Kg	☼	04/02/13 13:07	04/02/13 20:01	1
Lead	74.1		0.596	0.125	mg/Kg	☼	04/02/13 13:07	04/02/13 20:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	80		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: LM-8

Lab Sample ID: 600-70422-25

Date Collected: 03/20/13 09:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.662		0.290	0.0298	mg/Kg	☼	04/02/13 13:07	04/02/13 20:03	1
Lead	101		0.581	0.122	mg/Kg	☼	04/02/13 13:07	04/02/13 20:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	86		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: LM-7

Lab Sample ID: 600-70422-26

Date Collected: 03/20/13 09:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.504		0.277	0.0284	mg/Kg	☼	04/02/13 13:07	04/02/13 20:06	1
Lead	72.1		0.554	0.116	mg/Kg	☼	04/02/13 13:07	04/02/13 20:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: LM-6

Lab Sample ID: 600-70422-27

Date Collected: 03/20/13 10:10
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.371		0.286	0.0293	mg/Kg	☼	04/02/13 13:07	04/02/13 20:15	1
Lead	47.6		0.571	0.120	mg/Kg	☼	04/02/13 13:07	04/02/13 20:15	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: KL-9

Lab Sample ID: 600-70422-28

Date Collected: 03/20/13 10:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.05		0.287	0.0294	mg/Kg	☼	04/02/13 13:07	04/02/13 20:17	1
Lead	253		0.573	0.120	mg/Kg	☼	04/02/13 13:07	04/02/13 20:17	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	83		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: KL-8
Lab Sample ID: 600-70422-29
Date Collected: 03/20/13 10:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 79.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.182	J	0.294	0.0302	mg/Kg	☼	04/02/13 13:07	04/02/13 20:19	1
Lead	63.7		0.588	0.123	mg/Kg	☼	04/02/13 13:07	04/02/13 20:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	79		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: KL-7
Lab Sample ID: 600-70422-30
Date Collected: 03/20/13 10:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.358		0.298	0.0306	mg/Kg	☼	04/02/13 13:07	04/02/13 20:22	1
Lead	66.2		0.596	0.125	mg/Kg	☼	04/02/13 13:07	04/02/13 20:22	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: KL-6
Lab Sample ID: 600-70422-31
Date Collected: 03/20/13 10:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.356		0.307	0.0315	mg/Kg	☼	04/02/13 13:07	04/02/13 20:24	1
Lead	54.9		0.613	0.129	mg/Kg	☼	04/02/13 13:07	04/02/13 20:24	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	81		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: KL-5
Lab Sample ID: 600-70422-32
Date Collected: 03/20/13 11:00
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 79.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.304	J	0.316	0.0324	mg/Kg	☼	04/02/13 13:07	04/02/13 20:26	1
Lead	46.6		0.632	0.133	mg/Kg	☼	04/02/13 13:07	04/02/13 20:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	79		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: JK-6
Lab Sample ID: 600-70422-33
Date Collected: 03/20/13 11:10
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.239	J	0.307	0.0315	mg/Kg	☼	04/02/13 13:07	04/02/13 20:28	1
Lead	38.0		0.614	0.129	mg/Kg	☼	04/02/13 13:07	04/02/13 20:28	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-5
Lab Sample ID: 600-70422-34
Date Collected: 03/20/13 11:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.899		0.284	0.0292	mg/Kg	☼	04/02/13 13:07	04/02/13 20:30	1
Lead	79.4		0.569	0.119	mg/Kg	☼	04/02/13 13:07	04/02/13 20:30	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	81		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-5 Dup
Lab Sample ID: 600-70422-35
Date Collected: 03/20/13 11:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.859		0.286	0.0294	mg/Kg	☼	04/02/13 13:07	04/02/13 20:33	1
Lead	73.2		0.572	0.120	mg/Kg	☼	04/02/13 13:07	04/02/13 20:33	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	81		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-6
Lab Sample ID: 600-70422-36
Date Collected: 03/20/13 11:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 77.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.00		0.315	0.0323	mg/Kg	☼	04/02/13 13:07	04/02/13 20:35	1
Lead	124		0.631	0.132	mg/Kg	☼	04/02/13 13:07	04/02/13 20:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	77		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-4
Lab Sample ID: 600-70422-37
Date Collected: 03/20/13 12:05
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.466		0.303	0.0311	mg/Kg	☼	04/02/13 13:58	04/03/13 13:14	1
Lead	66.0		0.606	0.127	mg/Kg	☼	04/02/13 13:58	04/03/13 13:14	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	76		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-3
Lab Sample ID: 600-70422-38
Date Collected: 03/20/13 12:10
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.268	J	0.279	0.0287	mg/Kg	☼	04/02/13 13:58	04/03/13 13:16	1
Lead	18.9		0.559	0.117	mg/Kg	☼	04/02/13 13:58	04/03/13 13:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	86		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: IJ-2
Lab Sample ID: 600-70422-39
Date Collected: 03/20/13 12:15
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.254	J	0.259	0.0266	mg/Kg	☼	04/02/13 13:58	04/03/13 13:18	1
Lead	23.5		0.518	0.109	mg/Kg	☼	04/02/13 13:58	04/03/13 13:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	89		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: PQ-7
Lab Sample ID: 600-70422-40
Date Collected: 03/20/13 14:15
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 87.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.102	J	0.268	0.0275	mg/Kg	☼	04/02/13 13:58	04/03/13 13:21	1
Lead	17.6		0.537	0.113	mg/Kg	☼	04/02/13 13:58	04/03/13 13:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	88		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: P-7C

Lab Sample ID: 600-70422-41

Date Collected: 03/20/13 14:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 90.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.262		0.262	0.0268	mg/Kg	☼	04/02/13 13:58	04/03/13 13:23	1
Lead	36.0		0.523	0.110	mg/Kg	☼	04/02/13 13:58	04/03/13 13:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.8		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	90		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: OP-6

Lab Sample ID: 600-70422-42

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.283		0.272	0.0279	mg/Kg	☼	04/02/13 13:58	04/03/13 13:26	1
Lead	40.5		0.544	0.114	mg/Kg	☼	04/02/13 13:58	04/03/13 13:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: P-6C

Lab Sample ID: 600-70422-43

Date Collected: 03/20/13 14:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.333		0.273	0.0280	mg/Kg	☼	04/02/13 13:58	04/03/13 13:43	1
Lead	44.5		0.547	0.115	mg/Kg	☼	04/02/13 13:58	04/03/13 13:43	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	88		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: O-6C

Lab Sample ID: 600-70422-44

Date Collected: 03/20/13 14:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.300		0.268	0.0275	mg/Kg	☼	04/02/13 13:58	04/03/13 13:46	1
Lead	43.9		0.536	0.112	mg/Kg	☼	04/02/13 13:58	04/03/13 13:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	90		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-5

Lab Sample ID: 600-70422-45

Date Collected: 03/20/13 14:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 92.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.390		0.264	0.0270	mg/Kg	☼	04/02/13 13:58	04/03/13 13:48	1
Lead	48.4		0.527	0.111	mg/Kg	☼	04/02/13 13:58	04/03/13 13:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	7.9		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	92		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-5 Dup

Lab Sample ID: 600-70422-46

Date Collected: 03/20/13 14:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.452		0.263	0.0269	mg/Kg	☼	04/02/13 13:58	04/03/13 13:51	1
Lead	53.4		0.525	0.110	mg/Kg	☼	04/02/13 13:58	04/03/13 13:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	90		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: O-5C

Lab Sample ID: 600-70422-47

Date Collected: 03/20/13 15:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 81.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.295		0.295	0.0302	mg/Kg	☼	04/02/13 13:58	04/03/13 13:53	1
Lead	46.8		0.589	0.124	mg/Kg	☼	04/02/13 13:58	04/03/13 13:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	82		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-3

Lab Sample ID: 600-70422-48

Date Collected: 03/20/13 15:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 99.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.276		0.238	0.0244	mg/Kg	☼	04/02/13 13:58	04/03/13 13:56	1
Lead	41.9		0.475	0.0997	mg/Kg	☼	04/02/13 13:58	04/03/13 13:56	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	0.75		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	99		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: OP-4

Lab Sample ID: 600-70422-49

Date Collected: 03/20/13 15:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 72.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0686	J	0.343	0.0352	mg/Kg	☼	04/02/13 13:58	04/03/13 13:58	1
Lead	26.9		0.686	0.144	mg/Kg	☼	04/02/13 13:58	04/03/13 13:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	72		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-4C

Lab Sample ID: 600-70422-50

Date Collected: 03/20/13 15:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 85.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.282		0.271	0.0278	mg/Kg	☼	04/02/13 13:58	04/03/13 14:01	1
Lead	31.3		0.541	0.114	mg/Kg	☼	04/02/13 13:58	04/03/13 14:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	86		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: MN-4

Lab Sample ID: 600-70422-51

Date Collected: 03/20/13 15:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.389		0.319	0.0327	mg/Kg	☼	04/02/13 13:58	04/03/13 14:03	1
Lead	55.3		0.637	0.134	mg/Kg	☼	04/02/13 13:58	04/03/13 14:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	78		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-5C

Lab Sample ID: 600-70422-52

Date Collected: 03/20/13 15:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.350		0.282	0.0289	mg/Kg	☼	04/02/13 13:58	04/03/13 14:13	1
Lead	51.1		0.564	0.118	mg/Kg	☼	04/02/13 13:58	04/03/13 14:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	84		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-3C

Lab Sample ID: 600-70422-53

Date Collected: 03/20/13 16:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.227	J	0.258	0.0264	mg/Kg	☼	04/02/13 13:58	04/03/13 14:15	1
Lead	23.4		0.515	0.108	mg/Kg	☼	04/02/13 13:58	04/03/13 14:15	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	89		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: N-3C DUP

Lab Sample ID: 600-70422-54

Date Collected: 03/20/13 16:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.299		0.282	0.0289	mg/Kg	☼	04/02/13 13:58	04/03/13 14:18	1
Lead	29.7		0.564	0.118	mg/Kg	☼	04/02/13 13:58	04/03/13 14:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	89		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: NO-2

Lab Sample ID: 600-70422-55

Date Collected: 03/20/13 16:25
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.107	J	0.281	0.0288	mg/Kg	☼	04/02/13 13:58	04/03/13 14:28	1
Lead	11.2		0.561	0.118	mg/Kg	☼	04/02/13 13:58	04/03/13 14:28	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	88		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: HI-7

Lab Sample ID: 600-70422-56

Date Collected: 03/20/13 16:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 68.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	21.7		0.347	0.0356	mg/Kg	☼	04/02/13 13:58	04/03/13 14:30	1
Lead	372		0.695	0.146	mg/Kg	☼	04/02/13 13:58	04/03/13 14:30	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	31		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	69		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: JK-5
Lab Sample ID: 600-70422-57
Date Collected: 03/20/13 11:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.228	J	0.284	0.0292	mg/Kg	☼	04/03/13 10:12	04/03/13 15:16	1
Lead	34.2		0.569	0.119	mg/Kg	☼	04/03/13 10:12	04/03/13 15:16	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	82		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: K-5C Dup
Lab Sample ID: 600-70422-58
Date Collected: 03/20/13 11:25
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.374		0.297	0.0305	mg/Kg	☼	04/03/13 10:12	04/03/13 15:18	1
Lead	56.7		0.594	0.124	mg/Kg	☼	04/03/13 10:12	04/03/13 15:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/23/13 09:17	1
Percent Solids	83		1.0	1.0	%			03/23/13 09:17	1

Client Sample ID: EQ-5
Lab Sample ID: 600-70422-59
Date Collected: 03/20/13 17:00
Matrix: Water
Date Received: 03/22/13 08:38

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:18	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:18	1

Client Sample ID: EQ-6
Lab Sample ID: 600-70422-60
Date Collected: 03/20/13 17:00
Matrix: Water
Date Received: 03/22/13 08:38

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:20	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:20	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

General Chemistry

Qualifier	Qualifier Description
F	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102708/1-A
Matrix: Water
Analysis Batch: 102936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102708

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 13:02	1
Lead	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 13:02	1

Lab Sample ID: LCS 600-102708/2-A
Matrix: Water
Analysis Batch: 102936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102708

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.500	0.4974		mg/L		99	80 - 120
Lead	1.00	0.9781		mg/L		98	80 - 120

Lab Sample ID: MB 600-103054/1-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103054

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/02/13 12:14	04/02/13 17:16	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/02/13 12:14	04/02/13 17:16	1

Lab Sample ID: LCSSRM 600-103054/2-A
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	95.90		mg/Kg		93.1	83.6 - 115.5
Lead	76.9	74.89		mg/Kg		97.4	81.3 - 118.7

Lab Sample ID: 600-70422-5 MS
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: N-6C
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.332		29.3	27.94		mg/Kg	☼	94	75 - 125
Lead	43.3		58.7	103.5		mg/Kg	☼	102	75 - 125

Lab Sample ID: 600-70422-5 MSD
Matrix: Solid
Analysis Batch: 103038

Client Sample ID: N-6C
Prep Type: Total/NA
Prep Batch: 103054

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.332		30.5	29.17		mg/Kg	☼	95	75 - 125	4	20
Lead	43.3		60.9	106.6		mg/Kg	☼	104	75 - 125	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70422-5 DU — **Client Sample ID: N-6C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103054**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.332		0.3107		mg/Kg	☼	7	20
Lead	43.3		44.12		mg/Kg	☼	2	20

Lab Sample ID: MB 600-103065/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/02/13 13:07	04/02/13 19:16	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/02/13 13:07	04/02/13 19:16	1

Lab Sample ID: LCSSRM 600-103065/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	99.21		mg/Kg		96.3	83.6 - 115.5
Lead	76.9	77.63		mg/Kg		100.9	81.3 - 118.7

Lab Sample ID: 600-70422-19 MS — **Client Sample ID: PQ-10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.420		27.6	26.88		mg/Kg	☼	96	75 - 125
Lead	54.0		55.3	120.3		mg/Kg	☼	120	75 - 125

Lab Sample ID: 600-70422-19 MSD — **Client Sample ID: PQ-10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.420		29.3	28.18		mg/Kg	☼	95	75 - 125	5	20
Lead	54.0		58.5	113.5		mg/Kg	☼	102	75 - 125	6	20

Lab Sample ID: 600-70422-22 MS — **Client Sample ID: NO-9**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.544		29.0	27.22		mg/Kg	☼	92	75 - 125
Lead	74.7		58.0	134.5		mg/Kg	☼	103	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70422-22 MSD — **Client Sample ID: NO-9**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.544		28.2	26.94		mg/Kg	☼	94	75 - 125	1	20
Lead	74.7		56.4	133.5		mg/Kg	☼	104	75 - 125	1	20

Lab Sample ID: 600-70422-19 DU — **Client Sample ID: PQ-10**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.420		0.4731		mg/Kg	☼	12	20
Lead	54.0		65.70		mg/Kg	☼	19	20

Lab Sample ID: 600-70422-22 DU — **Client Sample ID: NO-9**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103038 — **Prep Batch: 103065**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.544		0.5317		mg/Kg	☼	2	20
Lead	74.7		74.73		mg/Kg	☼	0.03	20

Lab Sample ID: MB 600-103069/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/02/13 13:58	04/03/13 11:56	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/02/13 13:58	04/03/13 11:56	1

Lab Sample ID: LCSSRM 600-103069/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	98.60		mg/Kg		95.7	83.6 - 115.5
Lead	76.9	73.72		mg/Kg		95.9	81.3 - 118.7

Lab Sample ID: 600-70422-42 MS — **Client Sample ID: OP-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.283		28.2	27.66		mg/Kg	☼	97	75 - 125
Lead	40.5		56.5	96.75		mg/Kg	☼	100	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70422-42 MSD — **Client Sample ID: OP-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.283		27.7	26.64		mg/Kg	☼	95	75 - 125	4	20
Lead	40.5		55.4	95.83		mg/Kg	☼	100	75 - 125	1	20

Lab Sample ID: 600-70422-54 MS — **Client Sample ID: N-3C DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.299		27.9	28.25		mg/Kg	☼	100	75 - 125
Lead	29.7		55.8	84.94		mg/Kg	☼	99	75 - 125

Lab Sample ID: 600-70422-54 MSD — **Client Sample ID: N-3C DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.299		27.6	28.11		mg/Kg	☼	101	75 - 125	1	20
Lead	29.7		55.3	85.99		mg/Kg	☼	102	75 - 125	1	20

Lab Sample ID: 600-70422-42 DU — **Client Sample ID: OP-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.283		0.2965		mg/Kg	☼	5	20
Lead	40.5		40.11		mg/Kg	☼	1	20

Lab Sample ID: 600-70422-54 DU — **Client Sample ID: N-3C DUP**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103069**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.299		0.2765		mg/Kg	☼	8	20
Lead	29.7		29.33		mg/Kg	☼	1	20

Lab Sample ID: MB 600-103136/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103136**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/03/13 10:12	04/03/13 14:44	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/03/13 10:12	04/03/13 14:44	1

Lab Sample ID: LCSSRM 600-103136/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103136**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.85		mg/Kg		90.1	83.6 - 115.5

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 600-103136/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103136**

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Lead			76.9	73.15		mg/Kg		95.1	81.3 - 118.7		

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70422-1 DU — **Client Sample ID: O-7C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102388

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	28			27		%				3	20
Percent Solids	72			73		%				1	20

Lab Sample ID: 600-70422-11 DU — **Client Sample ID: MN-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102388

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12			12		%				3	20
Percent Solids	88			88		%				0.4	20

Lab Sample ID: 600-70422-21 DU — **Client Sample ID: O-9C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102388

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	16			17		%				0.9	20
Percent Solids	84			83		%				0.2	20

Lab Sample ID: 600-70422-31 DU — **Client Sample ID: KL-6**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102388

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	19			19		%				0.4	20
Percent Solids	81			81		%				0.09	20

Lab Sample ID: 600-70422-41 DU — **Client Sample ID: P-7C**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 102388

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	9.8			6.3	F	%				44	20
Percent Solids	90			94		%				4	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 600-70422-51 DU
Matrix: Solid
Analysis Batch: 102388

Client Sample ID: MN-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	22			21		%				0.4	20
Percent Solids	78			79		%				0.1	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Cadmium	0.00500	0.000350	mg/L	6010B
Lead	0.500	0.105	mg/Kg	6010B
Lead	0.0100	0.00290	mg/L	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 102708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-59	EQ-5	Total/NA	Water	3010A	
600-70422-60	EQ-6	Total/NA	Water	3010A	
LCS 600-102708/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-102708/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 102936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-59	EQ-5	Total/NA	Water	6010B	102708
600-70422-60	EQ-6	Total/NA	Water	6010B	102708
LCS 600-102708/2-A	Lab Control Sample	Total/NA	Water	6010B	102708
MB 600-102708/1-A	Method Blank	Total/NA	Water	6010B	102708

Analysis Batch: 103038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-1	O-7C	Total/NA	Solid	6010B	103054
600-70422-2	P-8C	Total/NA	Solid	6010B	103054
600-70422-3	NO-6	Total/NA	Solid	6010B	103054
600-70422-4	NO-6 Dup	Total/NA	Solid	6010B	103054
600-70422-5	N-6C	Total/NA	Solid	6010B	103054
600-70422-5 DU	N-6C	Total/NA	Solid	6010B	103054
600-70422-5 MS	N-6C	Total/NA	Solid	6010B	103054
600-70422-5 MSD	N-6C	Total/NA	Solid	6010B	103054
600-70422-6	M-1C	Total/NA	Solid	6010B	103054
600-70422-7	M-2C	Total/NA	Solid	6010B	103054
600-70422-8	M-3C	Total/NA	Solid	6010B	103054
600-70422-9	M-4C	Total/NA	Solid	6010B	103054
600-70422-10	N-2C	Total/NA	Solid	6010B	103054
600-70422-11	MN-2	Total/NA	Solid	6010B	103054
600-70422-12	HI-2	Total/NA	Solid	6010B	103054
600-70422-13	HI-3	Total/NA	Solid	6010B	103054
600-70422-14	HI-3 Dup	Total/NA	Solid	6010B	103054
600-70422-15	HI-4	Total/NA	Solid	6010B	103054
600-70422-16	HI-5	Total/NA	Solid	6010B	103054
600-70422-17	HI-6	Total/NA	Solid	6010B	103065
600-70422-18	P-10C	Total/NA	Solid	6010B	103065
600-70422-19	PQ-10	Total/NA	Solid	6010B	103065
600-70422-19 DU	PQ-10	Total/NA	Solid	6010B	103065
600-70422-19 MS	PQ-10	Total/NA	Solid	6010B	103065
600-70422-19 MSD	PQ-10	Total/NA	Solid	6010B	103065
600-70422-20	O-10C	Total/NA	Solid	6010B	103065
600-70422-21	O-9C	Total/NA	Solid	6010B	103065
600-70422-22	NO-9	Total/NA	Solid	6010B	103065
600-70422-22 DU	NO-9	Total/NA	Solid	6010B	103065
600-70422-22 MS	NO-9	Total/NA	Solid	6010B	103065
600-70422-22 MSD	NO-9	Total/NA	Solid	6010B	103065
600-70422-23	MN-8	Total/NA	Solid	6010B	103065
600-70422-24	MN-8 Dup	Total/NA	Solid	6010B	103065
600-70422-25	LM-8	Total/NA	Solid	6010B	103065
600-70422-26	LM-7	Total/NA	Solid	6010B	103065
600-70422-27	LM-6	Total/NA	Solid	6010B	103065
600-70422-28	KL-9	Total/NA	Solid	6010B	103065

Metals (Continued)

Analysis Batch: 103038 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-29	KL-8	Total/NA	Solid	6010B	103065
600-70422-30	KL-7	Total/NA	Solid	6010B	103065
600-70422-31	KL-6	Total/NA	Solid	6010B	103065
600-70422-32	KL-5	Total/NA	Solid	6010B	103065
600-70422-33	JK-6	Total/NA	Solid	6010B	103065
600-70422-34	IJ-5	Total/NA	Solid	6010B	103065
600-70422-35	IJ-5 Dup	Total/NA	Solid	6010B	103065
600-70422-36	IJ-6	Total/NA	Solid	6010B	103065
LCSSRM 600-103054/2-A	Lab Control Sample	Total/NA	Solid	6010B	103054
LCSSRM 600-103065/2-A	Lab Control Sample	Total/NA	Solid	6010B	103065
MB 600-103054/1-A	Method Blank	Total/NA	Solid	6010B	103054
MB 600-103065/1-A	Method Blank	Total/NA	Solid	6010B	103065

Prep Batch: 103054

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-1	O-7C	Total/NA	Solid	3050B	
600-70422-2	P-8C	Total/NA	Solid	3050B	
600-70422-3	NO-6	Total/NA	Solid	3050B	
600-70422-4	NO-6 Dup	Total/NA	Solid	3050B	
600-70422-5	N-6C	Total/NA	Solid	3050B	
600-70422-5 DU	N-6C	Total/NA	Solid	3050B	
600-70422-5 MS	N-6C	Total/NA	Solid	3050B	
600-70422-5 MSD	N-6C	Total/NA	Solid	3050B	
600-70422-6	M-1C	Total/NA	Solid	3050B	
600-70422-7	M-2C	Total/NA	Solid	3050B	
600-70422-8	M-3C	Total/NA	Solid	3050B	
600-70422-9	M-4C	Total/NA	Solid	3050B	
600-70422-10	N-2C	Total/NA	Solid	3050B	
600-70422-11	MN-2	Total/NA	Solid	3050B	
600-70422-12	HI-2	Total/NA	Solid	3050B	
600-70422-13	HI-3	Total/NA	Solid	3050B	
600-70422-14	HI-3 Dup	Total/NA	Solid	3050B	
600-70422-15	HI-4	Total/NA	Solid	3050B	
600-70422-16	HI-5	Total/NA	Solid	3050B	
LCSSRM 600-103054/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103054/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103065

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-17	HI-6	Total/NA	Solid	3050B	
600-70422-18	P-10C	Total/NA	Solid	3050B	
600-70422-19	PQ-10	Total/NA	Solid	3050B	
600-70422-19 DU	PQ-10	Total/NA	Solid	3050B	
600-70422-19 MS	PQ-10	Total/NA	Solid	3050B	
600-70422-19 MSD	PQ-10	Total/NA	Solid	3050B	
600-70422-20	O-10C	Total/NA	Solid	3050B	
600-70422-21	O-9C	Total/NA	Solid	3050B	
600-70422-22	NO-9	Total/NA	Solid	3050B	
600-70422-22 DU	NO-9	Total/NA	Solid	3050B	
600-70422-22 MS	NO-9	Total/NA	Solid	3050B	
600-70422-22 MSD	NO-9	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 103065 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-23	MN-8	Total/NA	Solid	3050B	
600-70422-24	MN-8 Dup	Total/NA	Solid	3050B	
600-70422-25	LM-8	Total/NA	Solid	3050B	
600-70422-26	LM-7	Total/NA	Solid	3050B	
600-70422-27	LM-6	Total/NA	Solid	3050B	
600-70422-28	KL-9	Total/NA	Solid	3050B	
600-70422-29	KL-8	Total/NA	Solid	3050B	
600-70422-30	KL-7	Total/NA	Solid	3050B	
600-70422-31	KL-6	Total/NA	Solid	3050B	
600-70422-32	KL-5	Total/NA	Solid	3050B	
600-70422-33	JK-6	Total/NA	Solid	3050B	
600-70422-34	IJ-5	Total/NA	Solid	3050B	
600-70422-35	IJ-5 Dup	Total/NA	Solid	3050B	
600-70422-36	IJ-6	Total/NA	Solid	3050B	
LCSSRM 600-103065/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103065/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-37	IJ-4	Total/NA	Solid	3050B	
600-70422-38	IJ-3	Total/NA	Solid	3050B	
600-70422-39	IJ-2	Total/NA	Solid	3050B	
600-70422-40	PQ-7	Total/NA	Solid	3050B	
600-70422-41	P-7C	Total/NA	Solid	3050B	
600-70422-42	OP-6	Total/NA	Solid	3050B	
600-70422-42 DU	OP-6	Total/NA	Solid	3050B	
600-70422-42 MS	OP-6	Total/NA	Solid	3050B	
600-70422-42 MSD	OP-6	Total/NA	Solid	3050B	
600-70422-43	P-6C	Total/NA	Solid	3050B	
600-70422-44	O-6C	Total/NA	Solid	3050B	
600-70422-45	NO-5	Total/NA	Solid	3050B	
600-70422-46	NO-5 Dup	Total/NA	Solid	3050B	
600-70422-47	O-5C	Total/NA	Solid	3050B	
600-70422-48	NO-3	Total/NA	Solid	3050B	
600-70422-49	OP-4	Total/NA	Solid	3050B	
600-70422-50	N-4C	Total/NA	Solid	3050B	
600-70422-51	MN-4	Total/NA	Solid	3050B	
600-70422-52	N-5C	Total/NA	Solid	3050B	
600-70422-53	N-3C	Total/NA	Solid	3050B	
600-70422-54	N-3C DUP	Total/NA	Solid	3050B	
600-70422-54 DU	N-3C DUP	Total/NA	Solid	3050B	
600-70422-54 MS	N-3C DUP	Total/NA	Solid	3050B	
600-70422-54 MSD	N-3C DUP	Total/NA	Solid	3050B	
600-70422-55	NO-2	Total/NA	Solid	3050B	
600-70422-56	HI-7	Total/NA	Solid	3050B	
LCSSRM 600-103069/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103069/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-37	IJ-4	Total/NA	Solid	6010B	103069

Metals (Continued)

Analysis Batch: 103135 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-38	IJ-3	Total/NA	Solid	6010B	103069
600-70422-39	IJ-2	Total/NA	Solid	6010B	103069
600-70422-40	PQ-7	Total/NA	Solid	6010B	103069
600-70422-41	P-7C	Total/NA	Solid	6010B	103069
600-70422-42	OP-6	Total/NA	Solid	6010B	103069
600-70422-42 DU	OP-6	Total/NA	Solid	6010B	103069
600-70422-42 MS	OP-6	Total/NA	Solid	6010B	103069
600-70422-42 MSD	OP-6	Total/NA	Solid	6010B	103069
600-70422-43	P-6C	Total/NA	Solid	6010B	103069
600-70422-44	O-6C	Total/NA	Solid	6010B	103069
600-70422-45	NO-5	Total/NA	Solid	6010B	103069
600-70422-46	NO-5 Dup	Total/NA	Solid	6010B	103069
600-70422-47	O-5C	Total/NA	Solid	6010B	103069
600-70422-48	NO-3	Total/NA	Solid	6010B	103069
600-70422-49	OP-4	Total/NA	Solid	6010B	103069
600-70422-50	N-4C	Total/NA	Solid	6010B	103069
600-70422-51	MN-4	Total/NA	Solid	6010B	103069
600-70422-52	N-5C	Total/NA	Solid	6010B	103069
600-70422-53	N-3C	Total/NA	Solid	6010B	103069
600-70422-54	N-3C DUP	Total/NA	Solid	6010B	103069
600-70422-54 DU	N-3C DUP	Total/NA	Solid	6010B	103069
600-70422-54 MS	N-3C DUP	Total/NA	Solid	6010B	103069
600-70422-54 MSD	N-3C DUP	Total/NA	Solid	6010B	103069
600-70422-55	NO-2	Total/NA	Solid	6010B	103069
600-70422-56	HI-7	Total/NA	Solid	6010B	103069
600-70422-57	JK-5	Total/NA	Solid	6010B	103136
600-70422-58	K-5C Dup	Total/NA	Solid	6010B	103136
LCSSRM 600-103069/2-A	Lab Control Sample	Total/NA	Solid	6010B	103069
LCSSRM 600-103136/2-A	Lab Control Sample	Total/NA	Solid	6010B	103136
MB 600-103069/1-A	Method Blank	Total/NA	Solid	6010B	103069
MB 600-103136/1-A	Method Blank	Total/NA	Solid	6010B	103136

Prep Batch: 103136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-57	JK-5	Total/NA	Solid	3050B	
600-70422-58	K-5C Dup	Total/NA	Solid	3050B	
LCSSRM 600-103136/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103136/1-A	Method Blank	Total/NA	Solid	3050B	

General Chemistry

Analysis Batch: 102388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-1	O-7C	Total/NA	Solid	Moisture	
600-70422-1 DU	O-7C	Total/NA	Solid	Moisture	
600-70422-2	P-8C	Total/NA	Solid	Moisture	
600-70422-3	NO-6	Total/NA	Solid	Moisture	
600-70422-4	NO-6 Dup	Total/NA	Solid	Moisture	
600-70422-5	N-6C	Total/NA	Solid	Moisture	
600-70422-6	M-1C	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-7	M-2C	Total/NA	Solid	Moisture	
600-70422-8	M-3C	Total/NA	Solid	Moisture	
600-70422-9	M-4C	Total/NA	Solid	Moisture	
600-70422-10	N-2C	Total/NA	Solid	Moisture	
600-70422-11	MN-2	Total/NA	Solid	Moisture	
600-70422-11 DU	MN-2	Total/NA	Solid	Moisture	
600-70422-12	HI-2	Total/NA	Solid	Moisture	
600-70422-13	HI-3	Total/NA	Solid	Moisture	
600-70422-14	HI-3 Dup	Total/NA	Solid	Moisture	
600-70422-15	HI-4	Total/NA	Solid	Moisture	
600-70422-16	HI-5	Total/NA	Solid	Moisture	
600-70422-17	HI-6	Total/NA	Solid	Moisture	
600-70422-18	P-10C	Total/NA	Solid	Moisture	
600-70422-19	PQ-10	Total/NA	Solid	Moisture	
600-70422-20	O-10C	Total/NA	Solid	Moisture	
600-70422-21	O-9C	Total/NA	Solid	Moisture	
600-70422-21 DU	O-9C	Total/NA	Solid	Moisture	
600-70422-22	NO-9	Total/NA	Solid	Moisture	
600-70422-22 MS	NO-9	Total/NA	Solid	Moisture	
600-70422-22 MSD	NO-9	Total/NA	Solid	Moisture	
600-70422-23	MN-8	Total/NA	Solid	Moisture	
600-70422-24	MN-8 Dup	Total/NA	Solid	Moisture	
600-70422-25	LM-8	Total/NA	Solid	Moisture	
600-70422-26	LM-7	Total/NA	Solid	Moisture	
600-70422-27	LM-6	Total/NA	Solid	Moisture	
600-70422-28	KL-9	Total/NA	Solid	Moisture	
600-70422-29	KL-8	Total/NA	Solid	Moisture	
600-70422-30	KL-7	Total/NA	Solid	Moisture	
600-70422-31	KL-6	Total/NA	Solid	Moisture	
600-70422-31 DU	KL-6	Total/NA	Solid	Moisture	
600-70422-32	KL-5	Total/NA	Solid	Moisture	
600-70422-33	JK-6	Total/NA	Solid	Moisture	
600-70422-34	IJ-5	Total/NA	Solid	Moisture	
600-70422-35	IJ-5 Dup	Total/NA	Solid	Moisture	
600-70422-36	IJ-6	Total/NA	Solid	Moisture	
600-70422-37	IJ-4	Total/NA	Solid	Moisture	
600-70422-38	IJ-3	Total/NA	Solid	Moisture	
600-70422-39	IJ-2	Total/NA	Solid	Moisture	
600-70422-40	PQ-7	Total/NA	Solid	Moisture	
600-70422-41	P-7C	Total/NA	Solid	Moisture	
600-70422-41 DU	P-7C	Total/NA	Solid	Moisture	
600-70422-42	OP-6	Total/NA	Solid	Moisture	
600-70422-42 MS	OP-6	Total/NA	Solid	Moisture	
600-70422-42 MSD	OP-6	Total/NA	Solid	Moisture	
600-70422-43	P-6C	Total/NA	Solid	Moisture	
600-70422-44	O-6C	Total/NA	Solid	Moisture	
600-70422-45	NO-5	Total/NA	Solid	Moisture	
600-70422-46	NO-5 Dup	Total/NA	Solid	Moisture	
600-70422-47	O-5C	Total/NA	Solid	Moisture	
600-70422-48	NO-3	Total/NA	Solid	Moisture	
600-70422-49	OP-4	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70422-50	N-4C	Total/NA	Solid	Moisture	
600-70422-51	MN-4	Total/NA	Solid	Moisture	
600-70422-51 DU	MN-4	Total/NA	Solid	Moisture	
600-70422-52	N-5C	Total/NA	Solid	Moisture	
600-70422-53	N-3C	Total/NA	Solid	Moisture	
600-70422-54	N-3C DUP	Total/NA	Solid	Moisture	
600-70422-54 MS	N-3C DUP	Total/NA	Solid	Moisture	
600-70422-54 MSD	N-3C DUP	Total/NA	Solid	Moisture	
600-70422-55	NO-2	Total/NA	Solid	Moisture	
600-70422-56	HI-7	Total/NA	Solid	Moisture	
600-70422-57	JK-5	Total/NA	Solid	Moisture	
600-70422-58	K-5C Dup	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Client Sample ID: O-7C

Lab Sample ID: 600-70422-1

Date Collected: 03/20/13 14:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: P-8C

Lab Sample ID: 600-70422-2

Date Collected: 03/20/13 14:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-6

Lab Sample ID: 600-70422-3

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-6 Dup

Lab Sample ID: 600-70422-4

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:17	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-6C

Lab Sample ID: 600-70422-5

Date Collected: 03/20/13 14:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Client Sample ID: M-1C
Lab Sample ID: 600-70422-6

Date Collected: 03/20/13 15:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 64.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:30	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: M-2C
Lab Sample ID: 600-70422-7

Date Collected: 03/20/13 15:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: M-3C
Lab Sample ID: 600-70422-8

Date Collected: 03/20/13 15:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 80.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:42	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: M-4C
Lab Sample ID: 600-70422-9

Date Collected: 03/20/13 15:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-2C
Lab Sample ID: 600-70422-10

Date Collected: 03/20/13 16:00
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 86.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:47	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: MN-2

Lab Sample ID: 600-70422-11

Date Collected: 03/20/13 16:05
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-2

Lab Sample ID: 600-70422-12

Date Collected: 03/20/13 16:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-3

Lab Sample ID: 600-70422-13

Date Collected: 03/20/13 16:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-3 Dup

Lab Sample ID: 600-70422-14

Date Collected: 03/20/13 16:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:57	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-4

Lab Sample ID: 600-70422-15

Date Collected: 03/20/13 16:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 74.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 18:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-5

Lab Sample ID: 600-70422-16

Date Collected: 03/20/13 16:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103054	04/02/13 12:14	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: HI-6

Lab Sample ID: 600-70422-17

Date Collected: 03/20/13 16:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: P-10C

Lab Sample ID: 600-70422-18

Date Collected: 03/20/13 08:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: PQ-10

Lab Sample ID: 600-70422-19

Date Collected: 03/20/13 08:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: O-10C

Lab Sample ID: 600-70422-20

Date Collected: 03/20/13 09:00
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Client Sample ID: O-9C

Lab Sample ID: 600-70422-21

Date Collected: 03/20/13 09:10
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-9

Lab Sample ID: 600-70422-22

Date Collected: 03/20/13 09:15
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 82.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: MN-8

Lab Sample ID: 600-70422-23

Date Collected: 03/20/13 09:30
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 79.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 19:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: MN-8 Dup

Lab Sample ID: 600-70422-24

Date Collected: 03/20/13 09:30
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 79.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: LM-8

Lab Sample ID: 600-70422-25

Date Collected: 03/20/13 09:45
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Client Sample ID: LM-7

Lab Sample ID: 600-70422-26

Date Collected: 03/20/13 09:55
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: LM-6

Lab Sample ID: 600-70422-27

Date Collected: 03/20/13 10:10
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:15	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: KL-9

Lab Sample ID: 600-70422-28

Date Collected: 03/20/13 10:30
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 83.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:17	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: KL-8

Lab Sample ID: 600-70422-29

Date Collected: 03/20/13 10:40
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 79.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: KL-7

Lab Sample ID: 600-70422-30

Date Collected: 03/20/13 10:45
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:22	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: KL-6

Lab Sample ID: 600-70422-31

Date Collected: 03/20/13 10:55

Matrix: Solid

Date Received: 03/22/13 08:38

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:24	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: KL-5

Lab Sample ID: 600-70422-32

Date Collected: 03/20/13 11:00

Matrix: Solid

Date Received: 03/22/13 08:38

Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: JK-6

Lab Sample ID: 600-70422-33

Date Collected: 03/20/13 11:10

Matrix: Solid

Date Received: 03/22/13 08:38

Percent Solids: 78.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:28	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-5

Lab Sample ID: 600-70422-34

Date Collected: 03/20/13 11:50

Matrix: Solid

Date Received: 03/22/13 08:38

Percent Solids: 80.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:30	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-5 Dup

Lab Sample ID: 600-70422-35

Date Collected: 03/20/13 11:50

Matrix: Solid

Date Received: 03/22/13 08:38

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:33	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-6

Lab Sample ID: 600-70422-36

Date Collected: 03/20/13 11:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 77.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103065	04/02/13 13:07	NER	TAL HOU
Total/NA	Analysis	6010B		1	103038	04/02/13 20:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-4

Lab Sample ID: 600-70422-37

Date Collected: 03/20/13 12:05
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 76.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-3

Lab Sample ID: 600-70422-38

Date Collected: 03/20/13 12:10
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: IJ-2

Lab Sample ID: 600-70422-39

Date Collected: 03/20/13 12:15
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: PQ-7

Lab Sample ID: 600-70422-40

Date Collected: 03/20/13 14:15
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 87.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: P-7C

Lab Sample ID: 600-70422-41

Date Collected: 03/20/13 14:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 90.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: OP-6

Lab Sample ID: 600-70422-42

Date Collected: 03/20/13 14:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: P-6C

Lab Sample ID: 600-70422-43

Date Collected: 03/20/13 14:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: O-6C

Lab Sample ID: 600-70422-44

Date Collected: 03/20/13 14:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-5

Lab Sample ID: 600-70422-45

Date Collected: 03/20/13 14:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 92.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-5 Dup

Lab Sample ID: 600-70422-46

Date Collected: 03/20/13 14:55
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: O-5C

Lab Sample ID: 600-70422-47

Date Collected: 03/20/13 15:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 81.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-3

Lab Sample ID: 600-70422-48

Date Collected: 03/20/13 15:30
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 99.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:56	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: OP-4

Lab Sample ID: 600-70422-49

Date Collected: 03/20/13 15:35
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 13:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-4C

Lab Sample ID: 600-70422-50

Date Collected: 03/20/13 15:40
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: MN-4

Lab Sample ID: 600-70422-51

Date Collected: 03/20/13 15:45
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 78.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-5C

Lab Sample ID: 600-70422-52

Date Collected: 03/20/13 15:50
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-3C

Lab Sample ID: 600-70422-53

Date Collected: 03/20/13 16:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 89.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:15	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: N-3C DUP

Lab Sample ID: 600-70422-54

Date Collected: 03/20/13 16:20
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: NO-2

Lab Sample ID: 600-70422-55

Date Collected: 03/20/13 16:25
Matrix: Solid
Date Received: 03/22/13 08:38
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:28	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Client Sample ID: HI-7

Lab Sample ID: 600-70422-56

Date Collected: 03/20/13 16:45
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 68.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103069	04/02/13 13:58	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:30	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: JK-5

Lab Sample ID: 600-70422-57

Date Collected: 03/20/13 11:35
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: K-5C Dup

Lab Sample ID: 600-70422-58

Date Collected: 03/20/13 11:25
Date Received: 03/22/13 08:38

Matrix: Solid
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102388	03/23/13 09:17	MB	TAL HOU

Client Sample ID: EQ-5

Lab Sample ID: 600-70422-59

Date Collected: 03/20/13 17:00
Date Received: 03/22/13 08:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:18	DCL	TAL HOU

Client Sample ID: EQ-6

Lab Sample ID: 600-70422-60

Date Collected: 03/20/13 17:00
Date Received: 03/22/13 08:38

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:20	DCL	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70422-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/21/13	225412
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 5
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Ex-de UCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Tot Cd 6010
O-7C	3/20/13	1420				X	X						X
P-8C		1430											
NO-6		1435											
NO-6 Dup		1435											
N-6C		1440											
M-1C		1540											
M-2C		1545											
M-3C		1550											
M-4C		1555											
N-2C		1600											
NN-2		1605											
H1-2		1630											

Special Instructions/ Conditions of Receipt

600-70422 Chain of Custody

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☑ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/21/13	1500	1. Received By: McClure	3/21/13	1500
2. Relinquished By: McClure	3/21/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/22/13	0838

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/21/13	225346
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 5**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb Cd 6010	Special Instructions/ Conditions of Receipt
HI-3	3/20/13	1635				X	X						X	
HI-3 Dup		1635												
HI-4		1640												
HI-5		1645												
HI-6		1655												
P-10C		0840												
PR-10		0850												
O-10C		0900												
O-9C		0910												MS/MSD
NO-9		0915												
MN-8		0930												
MN-8 Dup		0930												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/21/13	1500	1. Received By: McCone	3/21/13	1500
2. Relinquished By: McCone	3/21/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/22/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/21/13	225347
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 5
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved 6010	Special Instructions/ Conditions of Receipt
LM-8	3/20/13	0945				X	X						X	
LM-7		0955												
LM-6		1010												
KL-9		1030												
KL-8		1040												
KL-7		1045												
KL-6		1055												
KL-5		1100												
JK-6		1110												
IJ-5		1150												
IJ-5 Dup		1150												
IJ-6		1155												

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP - 13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/21/13	1500	1. Received By: [signature]	3/21/13	1800
2. Relinquished By: [signature]	3/21/13	1730	2. Received By:		
3. Relinquished By:			3. Received By: [signature]	03/22/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

5/6/2013

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/21/13	225348
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 5
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
IW-4	3/20/13	1205				X	X						X	
IW-3		1210				X								
IW-2		1215				X								
PQ-7		1415				X								
P-7C		1430				X								
DP-6		1435				X								MS/MSD
P-6C		1440				X								
D-6C		1445				X								
NO-5		1455				X								
NO-5 Dup		1455				X								
D-5C		1520				X								
NO-3		1530				X								

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
IRA-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/21/13	1500	1. Received By: McCrea	3/21/13	1500
2. Relinquished By: McCrea	3/21/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/22/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: RJW LLC	Project Manager: Tim Nickels	Date: 3/21/13	Chain of Custody Number: 225349
Address:	Telephone Number (Area Code)/Fax Number: 512-671-3437	Lab Number:	Page 5 of 5
City:	State:	Zip Code:	Site Contact:	Lab Contact:
Project Name and Location (State): Enid VCP Investigation	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.:		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: 8 Cnt. Pb 6010	Special Instructions/ Conditions of Receipt
OP-4	3/20/13	1535				X	X						X	
N-4C		1540												
MN-4		1545												
N-5C		1550												
N-3C		1620												
N-3C DUP		1620												MS/MSD
NO-2		1625												
HI-7		1645												
K-5		1135												Left out of
K-5C DUP		1125												Previous Shipment
EQ-5		1700		X					X					
EQ-6		1700		X					X					

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify): TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/21/13	1500	1. Received By:	3/21/13	1500
2. Relinquished By:	3/21/13	1730	2. Received By:	Date	Time
3. Relinquished By:	Date	Time	3. Received By:	03/22/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70422-1

Login Number: 70422

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	18.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:17:23 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/08/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103136, 103145- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			3
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103136, 103145- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103136, 103145- ICP

ER #[1]	DESCRIPTION
1	Cadmium and lead were detected above the MDL, but below the MQL in the prep blank for batch 103145. The levels of detection are below the recommended reporting limits and the appropriate flags have been applied.
2	The lead recoveries in samples 70491-9 MS and MSD were above acceptance limits, but were not flagged due to the background sample result being greater than four times the spike added concentration. Method performance is demonstrated by acceptable LCS recoveries.
3	The lead RPD between samples 70491-9 and 70491-9 MD was above acceptance limits due to the non-homogenous nature of the samples.
4	The lead SDLs were elevated in samples 70491-10, 13 and 14 due to the dilutions necessary to bring this analyte to within linear dynamic range.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-1

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-1	O-15A7	Solid	03/22/13 11:05	03/23/13 09:00
600-70491-5	O-15A9	Solid	03/22/13 11:25	03/23/13 09:00
600-70491-8	EW-3	Solid	03/22/13 11:45	03/23/13 09:00
600-70491-9	N-16WA	Solid	03/22/13 11:40	03/23/13 09:00
600-70491-10	M-16A3	Solid	03/22/13 12:00	03/23/13 09:00
600-70491-13	M-16A1	Solid	03/22/13 12:15	03/23/13 09:00
600-70491-14	M-16A1 Dup	Solid	03/22/13 12:15	03/23/13 09:00
600-70491-17	EW-4	Solid	03/22/13 12:25	03/23/13 09:00
600-70491-18	EW-5	Solid	03/22/13 13:00	03/23/13 09:00
600-70491-19	EW-6	Solid	03/22/13 13:10	03/23/13 09:00
600-70491-20	EW-7	Solid	03/22/13 13:20	03/23/13 09:00
600-70491-21	O-15A8 (0-1)	Solid	03/22/13 09:30	03/23/13 09:00
600-70491-24	O-15A1	Solid	03/22/13 08:35	03/23/13 09:00
600-70491-29	O-15 (0-1)	Solid	03/22/13 09:20	03/23/13 09:00
600-70491-33	O-15A11 (0-1)	Solid	03/22/13 09:50	03/23/13 09:00
600-70491-36	EW-1	Solid	03/22/13 10:10	03/23/13 09:00
600-70491-37	O-15A12	Solid	03/22/13 10:25	03/23/13 09:00
600-70491-38	O-15A12 Dup	Solid	03/22/13 10:25	03/23/13 09:00
600-70491-42	EW-2	Solid	03/22/13 10:40	03/23/13 09:00
600-70491-43	O-15A6	Solid	03/22/13 10:50	03/23/13 09:00

Client Sample ID: O-15A7

Lab Sample ID: 600-70491-1

Date Collected: 03/22/13 11:05
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.49		0.283	0.0291	mg/Kg	☼	04/03/13 10:12	04/03/13 15:21	1
Lead	272		0.567	0.119	mg/Kg	☼	04/03/13 10:12	04/03/13 15:21	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	82		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A9

Lab Sample ID: 600-70491-5

Date Collected: 03/22/13 11:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 75.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.55		0.316	0.0324	mg/Kg	☼	04/03/13 10:12	04/03/13 15:23	1
Lead	382		0.632	0.132	mg/Kg	☼	04/03/13 10:12	04/03/13 15:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	25		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	75		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-3

Lab Sample ID: 600-70491-8

Date Collected: 03/22/13 11:45
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 89.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0276	U	0.269	0.0276	mg/Kg	☼	04/03/13 10:12	04/03/13 15:26	1
Lead	31.4		0.538	0.113	mg/Kg	☼	04/03/13 10:12	04/03/13 15:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	89		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: N-16WA

Lab Sample ID: 600-70491-9

Date Collected: 03/22/13 11:40
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 79.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.34		0.303	0.0311	mg/Kg	☼	04/03/13 10:12	04/03/13 14:54	1
Lead	274		0.607	0.127	mg/Kg	☼	04/03/13 10:12	04/03/13 14:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	79		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: M-16A3

Lab Sample ID: 600-70491-10
Date Collected: 03/22/13 12:00
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 82.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	19.4		0.295	0.0303	mg/Kg	☼	04/03/13 10:12	04/03/13 15:28	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	9640		5.91	1.24	mg/Kg	☼	04/03/13 10:12	04/03/13 16:38	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	82		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: M-16A1

Lab Sample ID: 600-70491-13
Date Collected: 03/22/13 12:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	20.6		0.272	0.0279	mg/Kg	☼	04/03/13 10:12	04/03/13 15:31	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5000		5.45	1.14	mg/Kg	☼	04/03/13 10:12	04/03/13 16:40	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	84		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: M-16A1 Dup

Lab Sample ID: 600-70491-14
Date Collected: 03/22/13 12:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	21.0		0.290	0.0297	mg/Kg	☼	04/03/13 10:12	04/03/13 15:33	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	5190		5.80	1.22	mg/Kg	☼	04/03/13 10:12	04/03/13 16:43	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	85		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-4

Lab Sample ID: 600-70491-17
Date Collected: 03/22/13 12:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.322		0.293	0.0300	mg/Kg	☼	04/03/13 10:12	04/03/13 15:36	1

Client Sample ID: EW-4
Lab Sample ID: 600-70491-17
Date Collected: 03/22/13 12:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.0

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	20.4		0.585	0.123	mg/Kg	☼	04/03/13 10:12	04/03/13 15:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	83		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-5
Lab Sample ID: 600-70491-18
Date Collected: 03/22/13 13:00
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.158	J	0.273	0.0280	mg/Kg	☼	04/03/13 10:12	04/03/13 15:38	1
Lead	88.2		0.546	0.114	mg/Kg	☼	04/03/13 10:12	04/03/13 15:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	84		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-6
Lab Sample ID: 600-70491-19
Date Collected: 03/22/13 13:10
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.363		0.288	0.0295	mg/Kg	☼	04/03/13 10:12	04/03/13 15:47	1
Lead	10.5		0.576	0.121	mg/Kg	☼	04/03/13 10:12	04/03/13 15:47	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	84		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-7
Lab Sample ID: 600-70491-20
Date Collected: 03/22/13 13:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 78.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.298	J	0.317	0.0325	mg/Kg	☼	04/03/13 10:12	04/03/13 15:50	1
Lead	12.5		0.634	0.133	mg/Kg	☼	04/03/13 10:12	04/03/13 15:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	79		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A8 (0-1)

Lab Sample ID: 600-70491-21
Date Collected: 03/22/13 09:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0524	J	0.291	0.0299	mg/Kg	☼	04/03/13 10:12	04/03/13 16:00	1
Lead	24.2		0.583	0.122	mg/Kg	☼	04/03/13 10:12	04/03/13 16:00	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	81		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A1

Lab Sample ID: 600-70491-24
Date Collected: 03/22/13 08:35
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.31		0.281	0.0288	mg/Kg	☼	04/03/13 10:12	04/03/13 16:03	1
Lead	343		0.561	0.118	mg/Kg	☼	04/03/13 10:12	04/03/13 16:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	82		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15 (0-1)

Lab Sample ID: 600-70491-29
Date Collected: 03/22/13 09:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.927		0.283	0.0290	mg/Kg	☼	04/03/13 10:12	04/03/13 16:05	1
Lead	184		0.565	0.118	mg/Kg	☼	04/03/13 10:12	04/03/13 16:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	84		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A11 (0-1)

Lab Sample ID: 600-70491-33
Date Collected: 03/22/13 09:50
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 79.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.40		0.293	0.0300	mg/Kg	☼	04/03/13 10:12	04/03/13 16:08	1
Lead	233		0.586	0.123	mg/Kg	☼	04/03/13 10:12	04/03/13 16:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	80		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-1

Lab Sample ID: 600-70491-36
Date Collected: 03/22/13 10:10
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.237	J	0.297	0.0304	mg/Kg	☼	04/03/13 10:12	04/03/13 16:10	1
Lead	12.5		0.594	0.124	mg/Kg	☼	04/03/13 10:12	04/03/13 16:10	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	83		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A12

Lab Sample ID: 600-70491-37
Date Collected: 03/22/13 10:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 78.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.55	b	0.296	0.0304	mg/Kg	☼	04/03/13 12:36	04/03/13 16:49	1
Lead	368	b	0.592	0.124	mg/Kg	☼	04/03/13 12:36	04/03/13 16:49	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	22		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	78		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: O-15A12 Dup

Lab Sample ID: 600-70491-38
Date Collected: 03/22/13 10:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 79.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.43	b	0.315	0.0324	mg/Kg	☼	04/03/13 12:36	04/03/13 16:52	1
Lead	501	b	0.631	0.132	mg/Kg	☼	04/03/13 12:36	04/03/13 16:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	79		1.0	1.0	%			03/25/13 13:57	1

Client Sample ID: EW-2

Lab Sample ID: 600-70491-42
Date Collected: 03/22/13 10:40
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 85.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0440	J b	0.275	0.0282	mg/Kg	☼	04/03/13 12:36	04/03/13 16:54	1
Lead	14.5	b	0.550	0.115	mg/Kg	☼	04/03/13 12:36	04/03/13 16:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	86		1.0	1.0	%			03/25/13 13:57	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Client Sample ID: O-15A6
Date Collected: 03/22/13 10:50
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-43
Matrix: Solid
Percent Solids: 79.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	4.20	b	0.293	0.0300	mg/Kg	☼	04/03/13 12:36	04/03/13 17:12	1
Lead	828	b	0.585	0.123	mg/Kg	☼	04/03/13 12:36	04/03/13 17:12	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			03/25/13 13:57	1
Percent Solids	79		1.0	1.0	%			03/25/13 13:57	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
b	The compound was found in the blank and sample
U	Analyte was not detected at or above the SDL.
F	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103136/1-A
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103136

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/03/13 10:12	04/03/13 14:44	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/03/13 10:12	04/03/13 14:44	1

Lab Sample ID: LCSSRM 600-103136/2-A
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103136

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.85		mg/Kg		90.1	83.6 - 115.5
Lead	76.9	73.15		mg/Kg		95.1	81.3 - 118.7

Lab Sample ID: 600-70491-9 MS
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: N-16WA
Prep Type: Total/NA
Prep Batch: 103136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	2.34		30.7	33.34		mg/Kg	☼	101	75 - 125
Lead	274		61.4	434.8	4	mg/Kg	☼	262	75 - 125

Lab Sample ID: 600-70491-9 MSD
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: N-16WA
Prep Type: Total/NA
Prep Batch: 103136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	2.34		29.6	32.09		mg/Kg	☼	100	75 - 125	4	20
Lead	274		59.3	498.2	4	mg/Kg	☼	378	75 - 125	14	20

Lab Sample ID: 600-70491-20MS
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: EW-7
Prep Type: Total/NA
Prep Batch: 103136

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.298	J	29.6	28.27		mg/Kg	☼	94	75 - 125
Lead	12.5		59.2	70.25		mg/Kg	☼	98	75 - 125

Lab Sample ID: 600-70491-20MSD
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: EW-7
Prep Type: Total/NA
Prep Batch: 103136

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.298	J	31.3	29.28		mg/Kg	☼	92	75 - 125	4	20
Lead	12.5		62.7	72.52		mg/Kg	☼	96	75 - 125	3	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70491-9 DU — **Client Sample ID: N-16WA**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103136**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	2.34		2.530		mg/Kg	☼	8	20
Lead	274		359.6	F	mg/Kg	☼	27	20

Lab Sample ID: 600-70491-20 DU — **Client Sample ID: EW-7**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103136**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.298	J	0.2894	J	mg/Kg	☼	3	20
Lead	12.5		11.53		mg/Kg	☼	8	20

Lab Sample ID: MB 600-103145/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103145**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.04000	J	0.250	0.0256	mg/Kg		04/03/13 12:36	04/03/13 16:45	1
Lead	0.1850	J	0.500	0.105	mg/Kg		04/03/13 12:36	04/03/13 16:45	1

Lab Sample ID: LCSSRM 600-103145/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103145**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	94.20		mg/Kg		91.5	83.6 - 115.5
Lead	76.9	72.92		mg/Kg		94.8	81.3 - 118.7

Lab Sample ID: 600-70491-42 MS — **Client Sample ID: EW-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0440	J b	28.9	26.19		mg/Kg	☼	91	75 - 125
Lead	14.5	b	57.8	69.53		mg/Kg	☼	95	75 - 125

Lab Sample ID: 600-70491-42 MSD — **Client Sample ID: EW-2**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103135 — **Prep Batch: 103145**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0440	J b	27.0	24.54		mg/Kg	☼	91	75 - 125	7	20
Lead	14.5	b	54.0	65.35		mg/Kg	☼	94	75 - 125	6	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70491-42 DU
Matrix: Solid
Analysis Batch: 103135

Client Sample ID: EW-2
Prep Type: Total/NA
Prep Batch: 103145

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cadmium	0.0440	J b		0.05663	J	mg/Kg	☼			25	20
Lead	14.5	b		13.02		mg/Kg	☼			11	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70491-5 DU
Matrix: Solid
Analysis Batch: 102482

Client Sample ID: O-15A9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	25			23		%				8	20
Percent Solids	75			77		%				2	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Analysis Batch: 103135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-1	O-15A7	Total/NA	Solid	6010B	103136
600-70491-5	O-15A9	Total/NA	Solid	6010B	103136
600-70491-8	EW-3	Total/NA	Solid	6010B	103136
600-70491-9	N-16WA	Total/NA	Solid	6010B	103136
600-70491-9 DU	N-16WA	Total/NA	Solid	6010B	103136
600-70491-9 MS	N-16WA	Total/NA	Solid	6010B	103136
600-70491-9 MSD	N-16WA	Total/NA	Solid	6010B	103136
600-70491-10	M-16A3	Total/NA	Solid	6010B	103136
600-70491-10 - DL	M-16A3	Total/NA	Solid	6010B	103136
600-70491-13	M-16A1	Total/NA	Solid	6010B	103136
600-70491-13 - DL	M-16A1	Total/NA	Solid	6010B	103136
600-70491-14	M-16A1 Dup	Total/NA	Solid	6010B	103136
600-70491-14 - DL	M-16A1 Dup	Total/NA	Solid	6010B	103136
600-70491-17	EW-4	Total/NA	Solid	6010B	103136
600-70491-18	EW-5	Total/NA	Solid	6010B	103136
600-70491-19	EW-6	Total/NA	Solid	6010B	103136
600-70491-20	EW-7	Total/NA	Solid	6010B	103136
600-70491-20 DU	EW-7	Total/NA	Solid	6010B	103136
600-70491-20MS	EW-7	Total/NA	Solid	6010B	103136
600-70491-20MSD	EW-7	Total/NA	Solid	6010B	103136
600-70491-21	O-15A8 (0-1)	Total/NA	Solid	6010B	103136
600-70491-24	O-15A1	Total/NA	Solid	6010B	103136
600-70491-29	O-15 (0-1)	Total/NA	Solid	6010B	103136
600-70491-33	O-15A11 (0-1)	Total/NA	Solid	6010B	103136
600-70491-36	EW-1	Total/NA	Solid	6010B	103136
600-70491-37	O-15A12	Total/NA	Solid	6010B	103145
600-70491-38	O-15A12 Dup	Total/NA	Solid	6010B	103145
600-70491-42	EW-2	Total/NA	Solid	6010B	103145
600-70491-42 DU	EW-2	Total/NA	Solid	6010B	103145
600-70491-42 MS	EW-2	Total/NA	Solid	6010B	103145
600-70491-42 MSD	EW-2	Total/NA	Solid	6010B	103145
600-70491-43	O-15A6	Total/NA	Solid	6010B	103145
LCSSRM 600-103136/2-A	Lab Control Sample	Total/NA	Solid	6010B	103136
LCSSRM 600-103145/2-A	Lab Control Sample	Total/NA	Solid	6010B	103145
MB 600-103136/1-A	Method Blank	Total/NA	Solid	6010B	103136
MB 600-103145/1-A	Method Blank	Total/NA	Solid	6010B	103145

Prep Batch: 103136

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-1	O-15A7	Total/NA	Solid	3050B	
600-70491-5	O-15A9	Total/NA	Solid	3050B	
600-70491-8	EW-3	Total/NA	Solid	3050B	
600-70491-9	N-16WA	Total/NA	Solid	3050B	
600-70491-9 DU	N-16WA	Total/NA	Solid	3050B	
600-70491-9 MS	N-16WA	Total/NA	Solid	3050B	
600-70491-9 MSD	N-16WA	Total/NA	Solid	3050B	
600-70491-10	M-16A3	Total/NA	Solid	3050B	
600-70491-10 - DL	M-16A3	Total/NA	Solid	3050B	
600-70491-13	M-16A1	Total/NA	Solid	3050B	
600-70491-13 - DL	M-16A1	Total/NA	Solid	3050B	
600-70491-14	M-16A1 Dup	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 103136 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-14 - DL	M-16A1 Dup	Total/NA	Solid	3050B	
600-70491-17	EW-4	Total/NA	Solid	3050B	
600-70491-18	EW-5	Total/NA	Solid	3050B	
600-70491-19	EW-6	Total/NA	Solid	3050B	
600-70491-20	EW-7	Total/NA	Solid	3050B	
600-70491-20 DU	EW-7	Total/NA	Solid	3050B	
600-70491-20MS	EW-7	Total/NA	Solid	3050B	
600-70491-20MSD	EW-7	Total/NA	Solid	3050B	
600-70491-21	O-15A8 (0-1)	Total/NA	Solid	3050B	
600-70491-24	O-15A1	Total/NA	Solid	3050B	
600-70491-29	O-15 (0-1)	Total/NA	Solid	3050B	
600-70491-33	O-15A11 (0-1)	Total/NA	Solid	3050B	
600-70491-36	EW-1	Total/NA	Solid	3050B	
LCSSRM 600-103136/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103136/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 103145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-37	O-15A12	Total/NA	Solid	3050B	
600-70491-38	O-15A12 Dup	Total/NA	Solid	3050B	
600-70491-42	EW-2	Total/NA	Solid	3050B	
600-70491-42 DU	EW-2	Total/NA	Solid	3050B	
600-70491-42 MS	EW-2	Total/NA	Solid	3050B	
600-70491-42 MSD	EW-2	Total/NA	Solid	3050B	
600-70491-43	O-15A6	Total/NA	Solid	3050B	
LCSSRM 600-103145/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103145/1-A	Method Blank	Total/NA	Solid	3050B	

General Chemistry

Analysis Batch: 102482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-1	O-15A7	Total/NA	Solid	Moisture	
600-70491-5	O-15A9	Total/NA	Solid	Moisture	
600-70491-5 DU	O-15A9	Total/NA	Solid	Moisture	
600-70491-8	EW-3	Total/NA	Solid	Moisture	
600-70491-9	N-16WA	Total/NA	Solid	Moisture	
600-70491-9 MS	N-16WA	Total/NA	Solid	Moisture	
600-70491-9 MSD	N-16WA	Total/NA	Solid	Moisture	
600-70491-10	M-16A3	Total/NA	Solid	Moisture	
600-70491-13	M-16A1	Total/NA	Solid	Moisture	
600-70491-14	M-16A1 Dup	Total/NA	Solid	Moisture	
600-70491-17	EW-4	Total/NA	Solid	Moisture	
600-70491-18	EW-5	Total/NA	Solid	Moisture	
600-70491-19	EW-6	Total/NA	Solid	Moisture	
600-70491-20	EW-7	Total/NA	Solid	Moisture	
600-70491-20MS	EW-7	Total/NA	Solid	Moisture	
600-70491-20MSD	EW-7	Total/NA	Solid	Moisture	
600-70491-21	O-15A8 (0-1)	Total/NA	Solid	Moisture	
600-70491-24	O-15A1	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 102482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-29	O-15 (0-1)	Total/NA	Solid	Moisture	
600-70491-33	O-15A11 (0-1)	Total/NA	Solid	Moisture	
600-70491-36	EW-1	Total/NA	Solid	Moisture	
600-70491-37	O-15A12	Total/NA	Solid	Moisture	
600-70491-38	O-15A12 Dup	Total/NA	Solid	Moisture	
600-70491-42	EW-2	Total/NA	Solid	Moisture	
600-70491-43	O-15A6	Total/NA	Solid	Moisture	

Client Sample ID: O-15A7

Lab Sample ID: 600-70491-1

Date Collected: 03/22/13 11:05

Matrix: Solid

Date Received: 03/23/13 09:00

Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:21	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A9

Lab Sample ID: 600-70491-5

Date Collected: 03/22/13 11:25

Matrix: Solid

Date Received: 03/23/13 09:00

Percent Solids: 75.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-3

Lab Sample ID: 600-70491-8

Date Collected: 03/22/13 11:45

Matrix: Solid

Date Received: 03/23/13 09:00

Percent Solids: 89.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:26	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: N-16WA

Lab Sample ID: 600-70491-9

Date Collected: 03/22/13 11:40

Matrix: Solid

Date Received: 03/23/13 09:00

Percent Solids: 79.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 14:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: M-16A3

Lab Sample ID: 600-70491-10

Date Collected: 03/22/13 12:00

Matrix: Solid

Date Received: 03/23/13 09:00

Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:28	DCL	TAL HOU
Total/NA	Prep	3050B	DL		103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103135	04/03/13 16:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: M-16A1

Lab Sample ID: 600-70491-13

Date Collected: 03/22/13 12:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:31	DCL	TAL HOU
Total/NA	Prep	3050B	DL		103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103135	04/03/13 16:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: M-16A1 Dup

Lab Sample ID: 600-70491-14

Date Collected: 03/22/13 12:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:33	DCL	TAL HOU
Total/NA	Prep	3050B	DL		103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103135	04/03/13 16:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-4

Lab Sample ID: 600-70491-17

Date Collected: 03/22/13 12:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-5

Lab Sample ID: 600-70491-18

Date Collected: 03/22/13 13:00
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-6

Lab Sample ID: 600-70491-19

Date Collected: 03/22/13 13:10
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:47	DCL	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Client Sample ID: EW-6

Lab Sample ID: 600-70491-19

Date Collected: 03/22/13 13:10
Matrix: Solid
Date Received: 03/23/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-7

Lab Sample ID: 600-70491-20

Date Collected: 03/22/13 13:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 15:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A8 (0-1)

Lab Sample ID: 600-70491-21

Date Collected: 03/22/13 09:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:00	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A1

Lab Sample ID: 600-70491-24

Date Collected: 03/22/13 08:35
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15 (0-1)

Lab Sample ID: 600-70491-29

Date Collected: 03/22/13 09:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A11 (0-1)

Lab Sample ID: 600-70491-33

Date Collected: 03/22/13 09:50
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-1

Lab Sample ID: 600-70491-36

Date Collected: 03/22/13 10:10
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103136	04/03/13 10:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A12

Lab Sample ID: 600-70491-37

Date Collected: 03/22/13 10:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 78.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103145	04/03/13 12:36	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: O-15A12 Dup

Lab Sample ID: 600-70491-38

Date Collected: 03/22/13 10:25
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 79.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103145	04/03/13 12:36	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Client Sample ID: EW-2

Lab Sample ID: 600-70491-42

Date Collected: 03/22/13 10:40
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103145	04/03/13 12:36	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 16:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Client Sample ID: O-15A6
Date Collected: 03/22/13 10:50
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-43
Matrix: Solid
Percent Solids: 79.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103145	04/03/13 12:36	NER	TAL HOU
Total/NA	Analysis	6010B		1	103135	04/03/13 17:12	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	102482	03/25/13 13:57	KRD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 1 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd/ 6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)		1115												Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)		1205												Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1508
2. Relinquished By: [signature]	3/22/13	1730
3. Relinquished By	Date	Time

	Date	Time
1. Received By: [signature]	3/22/13	1500
2. Received By	Date	Time
3. Received By: [signature]	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCove	3/22/13	1500
2. Relinquished By: MMcCove	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact / Lab Contact		
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:		

	Date	Time
1. Received By:	3/22/13	1520
2. Received By:		
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VAP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, 8260	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-1

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-2
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:21:40 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-2

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/08/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-2
Reviewer Name: TWR	Prep Batch Number(s): 600-103236- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-2
Reviewer Name: TWR	Prep Batch Number(s): 600-103236- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	1
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-2
Reviewer Name: TWR	Prep Batch Number(s): 600-103236- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-2

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-2

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-2	O-15A7 (0-1)	Solid	03/22/13 11:15	03/23/13 09:00
600-70491-6	O-15A9 (0-1)	Solid	03/22/13 11:30	03/23/13 09:00
600-70491-22	O-15A8 (1-2)	Solid	03/22/13 09:35	03/23/13 09:00
600-70491-25	O-15A1 (0-1)	Solid	03/22/13 08:45	03/23/13 09:00
600-70491-30	O-15 (1-2)	Solid	03/22/13 09:20	03/23/13 09:00
600-70491-34	O-15A11 (1-2)	Solid	03/22/13 09:55	03/23/13 09:00

Client Sample ID: O-15A7 (0-1)

Lab Sample ID: 600-70491-2

Date Collected: 03/22/13 11:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.888		0.277	0.0285	mg/Kg	☼	04/04/13 09:55	04/04/13 15:41	1
Lead	183		0.555	0.116	mg/Kg	☼	04/04/13 09:55	04/04/13 15:41	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	84		1.0	1.0	%			04/04/13 13:20	1

Client Sample ID: O-15A9 (0-1)

Lab Sample ID: 600-70491-6

Date Collected: 03/22/13 11:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 87.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.130	J	0.283	0.0291	mg/Kg	☼	04/04/13 09:55	04/04/13 15:44	1
Lead	21.3		0.567	0.119	mg/Kg	☼	04/04/13 09:55	04/04/13 15:44	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	87		1.0	1.0	%			04/04/13 13:20	1

Client Sample ID: O-15A8 (1-2)

Lab Sample ID: 600-70491-22

Date Collected: 03/22/13 09:35
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0304	U	0.297	0.0304	mg/Kg	☼	04/04/13 09:55	04/04/13 15:46	1
Lead	9.88		0.594	0.124	mg/Kg	☼	04/04/13 09:55	04/04/13 15:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	82		1.0	1.0	%			04/04/13 13:20	1

Client Sample ID: O-15A1 (0-1)

Lab Sample ID: 600-70491-25

Date Collected: 03/22/13 08:45
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.264	J	0.287	0.0294	mg/Kg	☼	04/04/13 09:55	04/04/13 15:49	1
Lead	56.0		0.574	0.120	mg/Kg	☼	04/04/13 09:55	04/04/13 15:49	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	86		1.0	1.0	%			04/04/13 13:20	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Client Sample ID: O-15 (1-2)

Lab Sample ID: 600-70491-30
Date Collected: 03/22/13 09:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 80.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0306	U	0.298	0.0306	mg/Kg	☼	04/04/13 09:55	04/04/13 15:52	1
Lead	17.6		0.596	0.125	mg/Kg	☼	04/04/13 09:55	04/04/13 15:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	81		1.0	1.0	%			04/04/13 13:20	1

Client Sample ID: O-15A11 (1-2)

Lab Sample ID: 600-70491-34
Date Collected: 03/22/13 09:55
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 80.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0734	J	0.306	0.0314	mg/Kg	☼	04/04/13 09:55	04/04/13 16:09	1
Lead	17.8		0.612	0.128	mg/Kg	☼	04/04/13 09:55	04/04/13 16:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			04/04/13 13:20	1
Percent Solids	80		1.0	1.0	%			04/04/13 13:20	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103236/1-A
Matrix: Solid
Analysis Batch: 103259

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103236

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/04/13 09:55	04/04/13 15:37	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/04/13 09:55	04/04/13 15:37	1

Lab Sample ID: LCSSRM 600-103236/2-A
Matrix: Solid
Analysis Batch: 103259

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103236

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	97.31		mg/Kg		94.5	83.6 - 115.5
Lead	76.9	69.17		mg/Kg		89.9	81.3 - 118.7

Lab Sample ID: 600-70491-30 MS
Matrix: Solid
Analysis Batch: 103259

Client Sample ID: O-15 (1-2)
Prep Type: Total/NA
Prep Batch: 103236

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0306	U	29.8	28.53		mg/Kg	☼	96	75 - 125
Lead	17.6		59.6	74.17		mg/Kg	☼	95	75 - 125

Lab Sample ID: 600-70491-30 MSD
Matrix: Solid
Analysis Batch: 103259

Client Sample ID: O-15 (1-2)
Prep Type: Total/NA
Prep Batch: 103236

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0306	U	30.7	28.12		mg/Kg	☼	92	75 - 125	1	20
Lead	17.6		61.4	73.92		mg/Kg	☼	92	75 - 125	0	20

Lab Sample ID: 600-70491-30 DU
Matrix: Solid
Analysis Batch: 103259

Client Sample ID: O-15 (1-2)
Prep Type: Total/NA
Prep Batch: 103236

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0306	U	0.0318	U	mg/Kg	☼	NC	20
Lead	17.6		16.82		mg/Kg	☼	5	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70491-2 DU
Matrix: Solid
Analysis Batch: 103264

Client Sample ID: O-15A7 (0-1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		17		%		8	20
Percent Solids	84		83		%		2	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 103236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-2	O-15A7 (0-1)	Total/NA	Solid	3050B	
600-70491-6	O-15A9 (0-1)	Total/NA	Solid	3050B	
600-70491-22	O-15A8 (1-2)	Total/NA	Solid	3050B	
600-70491-25	O-15A1 (0-1)	Total/NA	Solid	3050B	
600-70491-30	O-15 (1-2)	Total/NA	Solid	3050B	
600-70491-30 DU	O-15 (1-2)	Total/NA	Solid	3050B	
600-70491-30 MS	O-15 (1-2)	Total/NA	Solid	3050B	
600-70491-30 MSD	O-15 (1-2)	Total/NA	Solid	3050B	
600-70491-34	O-15A11 (1-2)	Total/NA	Solid	3050B	
LCSSRM 600-103236/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103236/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-2	O-15A7 (0-1)	Total/NA	Solid	6010B	103236
600-70491-6	O-15A9 (0-1)	Total/NA	Solid	6010B	103236
600-70491-22	O-15A8 (1-2)	Total/NA	Solid	6010B	103236
600-70491-25	O-15A1 (0-1)	Total/NA	Solid	6010B	103236
600-70491-30	O-15 (1-2)	Total/NA	Solid	6010B	103236
600-70491-30 DU	O-15 (1-2)	Total/NA	Solid	6010B	103236
600-70491-30 MS	O-15 (1-2)	Total/NA	Solid	6010B	103236
600-70491-30 MSD	O-15 (1-2)	Total/NA	Solid	6010B	103236
600-70491-34	O-15A11 (1-2)	Total/NA	Solid	6010B	103236
LCSSRM 600-103236/2-A	Lab Control Sample	Total/NA	Solid	6010B	103236
MB 600-103236/1-A	Method Blank	Total/NA	Solid	6010B	103236

General Chemistry

Analysis Batch: 103264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-2	O-15A7 (0-1)	Total/NA	Solid	Moisture	
600-70491-2 DU	O-15A7 (0-1)	Total/NA	Solid	Moisture	
600-70491-6	O-15A9 (0-1)	Total/NA	Solid	Moisture	
600-70491-22	O-15A8 (1-2)	Total/NA	Solid	Moisture	
600-70491-25	O-15A1 (0-1)	Total/NA	Solid	Moisture	
600-70491-30	O-15 (1-2)	Total/NA	Solid	Moisture	
600-70491-34	O-15A11 (1-2)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Client Sample ID: O-15A7 (0-1)

Lab Sample ID: 600-70491-2

Date Collected: 03/22/13 11:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 15:41	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Client Sample ID: O-15A9 (0-1)

Lab Sample ID: 600-70491-6

Date Collected: 03/22/13 11:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 87.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 15:44	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Client Sample ID: O-15A8 (1-2)

Lab Sample ID: 600-70491-22

Date Collected: 03/22/13 09:35
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 81.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 15:46	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Client Sample ID: O-15A1 (0-1)

Lab Sample ID: 600-70491-25

Date Collected: 03/22/13 08:45
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 15:49	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Client Sample ID: O-15 (1-2)

Lab Sample ID: 600-70491-30

Date Collected: 03/22/13 09:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 80.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 15:52	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Client Sample ID: O-15A11 (1-2)
Date Collected: 03/22/13 09:55
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-34
Matrix: Solid
Percent Solids: 80.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103236	04/04/13 09:55	NER	TAL HOU
Total/NA	Analysis	6010B		1	103259	04/04/13 16:09	TWR	TAL HOU
Total/NA	Analysis	Moisture		1	103264	04/04/13 13:20	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-2

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Pb/Cd/ 6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)		1115												Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)		1205												Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/22/13	1508	[signature]	3/22/13	1508
2.	[signature]	3/22/13	1730			
3.				[signature]	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Page 20 of 24

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCrone	3/22/13	1500
2. Relinquished By: MMcCrone	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:		
1. Received By:	3/22/13	1520
2. Received By:		
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VAP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, 8260	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-2

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-3
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:27:28 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-3

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103379- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				3
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103379- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	4
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491
Reviewer Name: TWR	Prep Batch Number(s): 600-103379- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The lead SDL was elevated in sample 70491-11 due to the dilution necessary to bring this analyte to within linear dynamic range.
4	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-3

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-3

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-11	M-16A3 (0-1)	Solid	03/22/13 12:05	03/23/13 09:00
600-70491-15	M-16A1 (0-1)	Solid	03/22/13 12:20	03/23/13 09:00
600-70491-39	O-15A12 (0-1)	Solid	03/22/13 10:30	03/23/13 09:00
600-70491-44	O-15A6 (0-1)	Solid	03/22/13 10:55	03/23/13 09:00

Client Sample ID: M-16A3 (0-1)

Lab Sample ID: 600-70491-11
Date Collected: 03/22/13 12:05
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	13.7		0.293	0.0300	mg/Kg	☼	04/05/13 15:57	04/08/13 09:29	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3460		5.85	1.23	mg/Kg	☼	04/05/13 15:57	04/08/13 10:43	10

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/05/13 14:36	1
Percent Solids	84		1.0	1.0	%			04/05/13 14:36	1

Client Sample ID: M-16A1 (0-1)

Lab Sample ID: 600-70491-15
Date Collected: 03/22/13 12:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	3.68		0.289	0.0297	mg/Kg	☼	04/05/13 15:57	04/08/13 09:32	1
Lead	1660		0.579	0.121	mg/Kg	☼	04/05/13 15:57	04/08/13 09:32	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			04/05/13 14:36	1
Percent Solids	83		1.0	1.0	%			04/05/13 14:36	1

Client Sample ID: O-15A12 (0-1)

Lab Sample ID: 600-70491-39
Date Collected: 03/22/13 10:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 80.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.174	J	0.311	0.0319	mg/Kg	☼	04/05/13 15:57	04/08/13 09:35	1
Lead	19.2		0.623	0.131	mg/Kg	☼	04/05/13 15:57	04/08/13 09:35	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			04/05/13 14:36	1
Percent Solids	80		1.0	1.0	%			04/05/13 14:36	1

Client Sample ID: O-15A6 (0-1)

Lab Sample ID: 600-70491-44
Date Collected: 03/22/13 10:55
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.352		0.271	0.0278	mg/Kg	☼	04/05/13 15:57	04/08/13 09:37	1
Lead	59.4		0.541	0.113	mg/Kg	☼	04/05/13 15:57	04/08/13 09:37	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			04/05/13 14:36	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Client Sample ID: O-15A6 (0-1)
Date Collected: 03/22/13 10:55
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-44
Matrix: Solid

General Chemistry (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	85		1.0	1.0	%			04/05/13 14:36	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103379/1-A
Matrix: Solid
Analysis Batch: 103435

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103379

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/05/13 15:57	04/08/13 09:25	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/05/13 15:57	04/08/13 09:25	1

Lab Sample ID: LCSSRM 600-103379/2-A
Matrix: Solid
Analysis Batch: 103435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103379

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.11		mg/Kg		89.4	83.6 - 115.5
Lead	76.9	69.81		mg/Kg		90.8	81.3 - 118.7

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70491-11 DU
Matrix: Solid
Analysis Batch: 103366

Client Sample ID: M-16A3 (0-1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		17		%		4	20
Percent Solids	84		83		%		0.8	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 103379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-11	M-16A3 (0-1)	Total/NA	Solid	3050B	
600-70491-11 - DL	M-16A3 (0-1)	Total/NA	Solid	3050B	
600-70491-15	M-16A1 (0-1)	Total/NA	Solid	3050B	
600-70491-39	O-15A12 (0-1)	Total/NA	Solid	3050B	
600-70491-44	O-15A6 (0-1)	Total/NA	Solid	3050B	
LCSSRM 600-103379/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103379/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-11	M-16A3 (0-1)	Total/NA	Solid	6010B	103379
600-70491-11 - DL	M-16A3 (0-1)	Total/NA	Solid	6010B	103379
600-70491-15	M-16A1 (0-1)	Total/NA	Solid	6010B	103379
600-70491-39	O-15A12 (0-1)	Total/NA	Solid	6010B	103379
600-70491-44	O-15A6 (0-1)	Total/NA	Solid	6010B	103379
LCSSRM 600-103379/2-A	Lab Control Sample	Total/NA	Solid	6010B	103379
MB 600-103379/1-A	Method Blank	Total/NA	Solid	6010B	103379

General Chemistry

Analysis Batch: 103366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-11	M-16A3 (0-1)	Total/NA	Solid	Moisture	
600-70491-11 DU	M-16A3 (0-1)	Total/NA	Solid	Moisture	
600-70491-15	M-16A1 (0-1)	Total/NA	Solid	Moisture	
600-70491-39	O-15A12 (0-1)	Total/NA	Solid	Moisture	
600-70491-44	O-15A6 (0-1)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Client Sample ID: M-16A3 (0-1)

Lab Sample ID: 600-70491-11

Date Collected: 03/22/13 12:05
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103379	04/05/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	103435	04/08/13 09:29	DCL	TAL HOU
Total/NA	Prep	3050B	DL		103379	04/05/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	103435	04/08/13 10:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103366	04/05/13 14:36	KRD	TAL HOU

Client Sample ID: M-16A1 (0-1)

Lab Sample ID: 600-70491-15

Date Collected: 03/22/13 12:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103379	04/05/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	103435	04/08/13 09:32	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103366	04/05/13 14:36	KRD	TAL HOU

Client Sample ID: O-15A12 (0-1)

Lab Sample ID: 600-70491-39

Date Collected: 03/22/13 10:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 80.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103379	04/05/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	103435	04/08/13 09:35	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103366	04/05/13 14:36	KRD	TAL HOU

Client Sample ID: O-15A6 (0-1)

Lab Sample ID: 600-70491-44

Date Collected: 03/22/13 10:55
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 84.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103379	04/05/13 15:57	NER	TAL HOU
Total/NA	Analysis	6010B		1	103435	04/08/13 09:37	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103366	04/05/13 14:36	KRD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-3

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd/6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)		1115												Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)		1205												Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/22/13	1508	McCowen	3/22/13	1508
2.	McCowen	3/22/13	1730			
3.					03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCrone	3/22/13	1500
2. Relinquished By: MMcCrone	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:	Date	Time

	Date	Time
1. Received By:	3/22/13	1520
2. Received By:	Date	Time
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, GRO	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-3

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-4
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:38:55 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-4

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/11/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-4
Reviewer Name: TWR	Prep Batch Number(s): 600-103456- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			3
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-4
Reviewer Name: TWR	Prep Batch Number(s): 600-103456- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-4
Reviewer Name: TWR	Prep Batch Number(s): 600-103456- ICP

ER #[1]	DESCRIPTION
1	The lead recovery in sample 70491-12 MS was outside acceptance limits due to matrix interference. Method performance is demonstrated by an acceptable LCS recovery.
2	The lead RPD between samples 70491-12 MS and MSD was above acceptance limits due to the non-homogenous nature of the samples.
3	The lead RPD between samples 70491-12 and 70491-12 MD was above acceptance limits due to the non-homogenous nature of the samples.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-4

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-4

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-3	O-15A7 (1-2)	Solid	03/22/13 11:15	03/23/13 09:00
600-70491-7	O-15A9 (1-2)	Solid	03/22/13 11:30	03/23/13 09:00
600-70491-12	M-16A3 (1-2)	Solid	03/22/13 12:05	03/23/13 09:00
600-70491-16	M-16A1 (1-2)	Solid	03/22/13 12:20	03/23/13 09:00
600-70491-26	O-15A1 (1-2)	Solid	03/22/13 08:45	03/23/13 09:00

Client Sample ID: O-15A7 (1-2)

Lab Sample ID: 600-70491-3

Date Collected: 03/22/13 11:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 85.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0553	J	0.276	0.0283	mg/Kg	☼	04/08/13 12:34	04/08/13 16:47	1
Lead	17.1		0.553	0.116	mg/Kg	☼	04/08/13 12:34	04/08/13 16:47	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			04/08/13 11:46	1
Percent Solids	85		1.0	1.0	%			04/08/13 11:46	1

Client Sample ID: O-15A9 (1-2)

Lab Sample ID: 600-70491-7

Date Collected: 03/22/13 11:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 89.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0287	U	0.280	0.0287	mg/Kg	☼	04/08/13 12:34	04/08/13 16:50	1
Lead	6.88		0.560	0.117	mg/Kg	☼	04/08/13 12:34	04/08/13 16:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			04/08/13 11:46	1
Percent Solids	89		1.0	1.0	%			04/08/13 11:46	1

Client Sample ID: M-16A3 (1-2)

Lab Sample ID: 600-70491-12

Date Collected: 03/22/13 12:05
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0279	U	0.272	0.0279	mg/Kg	☼	04/08/13 12:34	04/08/13 16:52	1
Lead	46.4		0.544	0.114	mg/Kg	☼	04/08/13 12:34	04/08/13 16:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			04/08/13 11:46	1
Percent Solids	87		1.0	1.0	%			04/08/13 11:46	1

Client Sample ID: M-16A1 (1-2)

Lab Sample ID: 600-70491-16

Date Collected: 03/22/13 12:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.523		0.281	0.0289	mg/Kg	☼	04/08/13 12:34	04/08/13 17:02	1
Lead	87.8		0.563	0.118	mg/Kg	☼	04/08/13 12:34	04/08/13 17:02	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			04/08/13 11:46	1
Percent Solids	86		1.0	1.0	%			04/08/13 11:46	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Client Sample ID: O-15A1 (1-2)
Date Collected: 03/22/13 08:45
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-26
Matrix: Solid
Percent Solids: 82.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0299	U	0.291	0.0299	mg/Kg	☼	04/08/13 12:34	04/08/13 17:05	1
Lead	10.6		0.583	0.122	mg/Kg	☼	04/08/13 12:34	04/08/13 17:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			04/08/13 11:46	1
Percent Solids	82		1.0	1.0	%			04/08/13 11:46	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
F	Duplicate RPD exceeds the control limit
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103456/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103524 — **Prep Batch: 103456**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/08/13 12:34	04/08/13 16:43	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/08/13 12:34	04/08/13 16:43	1

Lab Sample ID: LCSSRM 600-103456/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103524 — **Prep Batch: 103456**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	93.83		mg/Kg		91.1	83.6 - 115.5
Lead	76.9	72.60		mg/Kg		94.4	81.3 - 118.7

Lab Sample ID: 600-70491-12 MS — **Client Sample ID: M-16A3 (1-2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103524 — **Prep Batch: 103456**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.0279	U	27.7	30.38		mg/Kg	☼	110	75 - 125
Lead	46.4		55.4	144.2	N	mg/Kg	☼	177	75 - 125

Lab Sample ID: 600-70491-12 MSD — **Client Sample ID: M-16A3 (1-2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103524 — **Prep Batch: 103456**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.0279	U	28.3	30.60		mg/Kg	☼	108	75 - 125	1	20
Lead	46.4		56.5	95.84	N	mg/Kg	☼	88	75 - 125	40	20

Lab Sample ID: 600-70491-12 DU — **Client Sample ID: M-16A3 (1-2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103524 — **Prep Batch: 103456**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.0279	U	0.09606	J	mg/Kg	☼	NC	20
Lead	46.4		32.79	F	mg/Kg	☼	34	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-70491-3 DU — **Client Sample ID: O-15A7 (1-2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 103449

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		16		%		8	20
Percent Solids	85		84		%		1	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 103456

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-3	O-15A7 (1-2)	Total/NA	Solid	3050B	
600-70491-7	O-15A9 (1-2)	Total/NA	Solid	3050B	
600-70491-12	M-16A3 (1-2)	Total/NA	Solid	3050B	
600-70491-12 DU	M-16A3 (1-2)	Total/NA	Solid	3050B	
600-70491-12 MS	M-16A3 (1-2)	Total/NA	Solid	3050B	
600-70491-12 MSD	M-16A3 (1-2)	Total/NA	Solid	3050B	
600-70491-16	M-16A1 (1-2)	Total/NA	Solid	3050B	
600-70491-26	O-15A1 (1-2)	Total/NA	Solid	3050B	
LCSSRM 600-103456/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103456/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-3	O-15A7 (1-2)	Total/NA	Solid	6010B	103456
600-70491-7	O-15A9 (1-2)	Total/NA	Solid	6010B	103456
600-70491-12	M-16A3 (1-2)	Total/NA	Solid	6010B	103456
600-70491-12 DU	M-16A3 (1-2)	Total/NA	Solid	6010B	103456
600-70491-12 MS	M-16A3 (1-2)	Total/NA	Solid	6010B	103456
600-70491-12 MSD	M-16A3 (1-2)	Total/NA	Solid	6010B	103456
600-70491-16	M-16A1 (1-2)	Total/NA	Solid	6010B	103456
600-70491-26	O-15A1 (1-2)	Total/NA	Solid	6010B	103456
LCSSRM 600-103456/2-A	Lab Control Sample	Total/NA	Solid	6010B	103456
MB 600-103456/1-A	Method Blank	Total/NA	Solid	6010B	103456

General Chemistry

Analysis Batch: 103449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-3	O-15A7 (1-2)	Total/NA	Solid	Moisture	
600-70491-3 DU	O-15A7 (1-2)	Total/NA	Solid	Moisture	
600-70491-7	O-15A9 (1-2)	Total/NA	Solid	Moisture	
600-70491-12	M-16A3 (1-2)	Total/NA	Solid	Moisture	
600-70491-16	M-16A1 (1-2)	Total/NA	Solid	Moisture	
600-70491-26	O-15A1 (1-2)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Client Sample ID: O-15A7 (1-2)

Lab Sample ID: 600-70491-3

Date Collected: 03/22/13 11:15
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103456	04/08/13 12:34	NER	TAL HOU
Total/NA	Analysis	6010B		1	103524	04/08/13 16:47	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103449	04/08/13 11:46	KRD	TAL HOU

Client Sample ID: O-15A9 (1-2)

Lab Sample ID: 600-70491-7

Date Collected: 03/22/13 11:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103456	04/08/13 12:34	NER	TAL HOU
Total/NA	Analysis	6010B		1	103524	04/08/13 16:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103449	04/08/13 11:46	KRD	TAL HOU

Client Sample ID: M-16A3 (1-2)

Lab Sample ID: 600-70491-12

Date Collected: 03/22/13 12:05
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103456	04/08/13 12:34	NER	TAL HOU
Total/NA	Analysis	6010B		1	103524	04/08/13 16:52	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103449	04/08/13 11:46	KRD	TAL HOU

Client Sample ID: M-16A1 (1-2)

Lab Sample ID: 600-70491-16

Date Collected: 03/22/13 12:20
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 86.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103456	04/08/13 12:34	NER	TAL HOU
Total/NA	Analysis	6010B		1	103524	04/08/13 17:02	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103449	04/08/13 11:46	KRD	TAL HOU

Client Sample ID: O-15A1 (1-2)

Lab Sample ID: 600-70491-26

Date Collected: 03/22/13 08:45
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 82.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103456	04/08/13 12:34	NER	TAL HOU
Total/NA	Analysis	6010B		1	103524	04/08/13 17:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103449	04/08/13 11:46	KRD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-4

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd/6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)		1115												Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)		1205												Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/22/13	1508	McCowen	3/22/13	1508
2.	McCowen	3/22/13	1730			
3.					03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCrone	3/22/13	1500
2. Relinquished By: MMcCrone	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:	Date	Time

	Date	Time
1. Received By:	3/22/13	1520
2. Received By:	Date	Time
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, GRO	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-4

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-5
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:56:30 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-5

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/11/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/10/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-5
Reviewer Name: TWR	Prep Batch Number(s): 600-103635- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/10/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-5
Reviewer Name: TWR	Prep Batch Number(s): 600-103635- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/10/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-5
Reviewer Name: TWR	Prep Batch Number(s): 600-103635- ICP

ER #[1]	DESCRIPTION
1	The lead recovery in sample 70491-45 MSD was above acceptance limits due to matrix interference. Method performance is demonstrated by an acceptable LCS recovery.
2	The lead RPD between samples 70491-45 MS and MSD was above acceptance limits due to the non-homogenous nature of the samples.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-5

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-5

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-40	O-15A12 (1-2)	Solid	03/22/13 10:30	03/23/13 09:00
600-70491-45	O-15A6 (1-2)	Solid	03/22/13 10:55	03/23/13 09:00

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Client Sample ID: O-15A12 (1-2)

Lab Sample ID: 600-70491-40

Date Collected: 03/22/13 10:30
Date Received: 03/23/13 09:00

Matrix: Solid
Percent Solids: 83.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.123	J	0.293	0.0301	mg/Kg	☼	04/10/13 10:47	04/10/13 14:40	1
Lead	10.8		0.586	0.123	mg/Kg	☼	04/10/13 10:47	04/10/13 15:54	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/09/13 10:23	1
Percent Solids	84		1.0	1.0	%			04/09/13 10:23	1

Client Sample ID: O-15A6 (1-2)

Lab Sample ID: 600-70491-45

Date Collected: 03/22/13 10:55
Date Received: 03/23/13 09:00

Matrix: Solid
Percent Solids: 82.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.213	J	0.305	0.0312	mg/Kg	☼	04/10/13 10:47	04/10/13 14:43	1
Lead	34.1		0.609	0.128	mg/Kg	☼	04/10/13 10:47	04/10/13 15:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			04/09/13 10:23	1
Percent Solids	82		1.0	1.0	%			04/09/13 10:23	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103635/1-A
Matrix: Solid
Analysis Batch: 103627

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103635

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/10/13 10:47	04/10/13 14:36	1

Lab Sample ID: MB 600-103635/1-A
Matrix: Solid
Analysis Batch: 103638

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103635

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.105	U	0.500	0.105	mg/Kg		04/10/13 10:47	04/10/13 15:46	1

Lab Sample ID: LCSSRM 600-103635/2-A
Matrix: Solid
Analysis Batch: 103627

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	97.38		mg/Kg		94.5	83.6 - 115.5

Lab Sample ID: LCSSRM 600-103635/2-A
Matrix: Solid
Analysis Batch: 103638

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	76.9	73.90		mg/Kg		96.1	81.3 - 118.7

Lab Sample ID: 600-70491-45 MS
Matrix: Solid
Analysis Batch: 103627

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.213	J	29.3	30.61		mg/Kg	☼	104	75 - 125

Lab Sample ID: 600-70491-45 MS
Matrix: Solid
Analysis Batch: 103638

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	34.1		58.6	84.81		mg/Kg	☼	87	75 - 125

Lab Sample ID: 600-70491-45 MSD
Matrix: Solid
Analysis Batch: 103627

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.213	J	27.9	29.02		mg/Kg	☼	103	75 - 125	5	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-70491-45 MSD
Matrix: Solid
Analysis Batch: 103638

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	34.1		55.9	145.5	N	mg/Kg	☼	199	75 - 125	53	20

Lab Sample ID: 600-70491-45 DU
Matrix: Solid
Analysis Batch: 103627

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Cadmium	0.213	J		0.1672	J	mg/Kg	☼			24	20

Lab Sample ID: 600-70491-45 DU
Matrix: Solid
Analysis Batch: 103638

Client Sample ID: O-15A6 (1-2)
Prep Type: Total/NA
Prep Batch: 103635

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Lead	34.1			36.16		mg/Kg	☼			6	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Analysis Batch: 103627

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-40	O-15A12 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 DU	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 MS	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 MSD	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
LCSSRM 600-103635/2-A	Lab Control Sample	Total/NA	Solid	6010B	103635
MB 600-103635/1-A	Method Blank	Total/NA	Solid	6010B	103635

Prep Batch: 103635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-40	O-15A12 (1-2)	Total/NA	Solid	3050B	
600-70491-45	O-15A6 (1-2)	Total/NA	Solid	3050B	
600-70491-45 DU	O-15A6 (1-2)	Total/NA	Solid	3050B	
600-70491-45 MS	O-15A6 (1-2)	Total/NA	Solid	3050B	
600-70491-45 MSD	O-15A6 (1-2)	Total/NA	Solid	3050B	
LCSSRM 600-103635/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103635/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-40	O-15A12 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 DU	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 MS	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
600-70491-45 MSD	O-15A6 (1-2)	Total/NA	Solid	6010B	103635
LCSSRM 600-103635/2-A	Lab Control Sample	Total/NA	Solid	6010B	103635
MB 600-103635/1-A	Method Blank	Total/NA	Solid	6010B	103635

General Chemistry

Analysis Batch: 103551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-40	O-15A12 (1-2)	Total/NA	Solid	Moisture	
600-70491-45	O-15A6 (1-2)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Client Sample ID: O-15A12 (1-2)

Lab Sample ID: 600-70491-40

Date Collected: 03/22/13 10:30
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 83.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103635	04/10/13 10:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	103627	04/10/13 14:40	DCL	TAL HOU
Total/NA	Prep	3050B			103635	04/10/13 10:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	103638	04/10/13 15:54	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103551	04/09/13 10:23	AS	TAL HOU

Client Sample ID: O-15A6 (1-2)

Lab Sample ID: 600-70491-45

Date Collected: 03/22/13 10:55
Matrix: Solid
Date Received: 03/23/13 09:00
Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103635	04/10/13 10:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	103627	04/10/13 14:43	DCL	TAL HOU
Total/NA	Prep	3050B			103635	04/10/13 10:47	NER	TAL HOU
Total/NA	Analysis	6010B		1	103638	04/10/13 15:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103551	04/09/13 10:23	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-5

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd/6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)		1115												Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)		1205												Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/22/13	1508	McCowen	3/22/13	1508
2.	McCowen	3/22/13	1730			
3.					03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCrone	3/22/13	1500
2. Relinquished By: MMcCrone	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:	Date	Time

	Date	Time
1. Received By:	3/22/13	1520
2. Received By:	Date	Time
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, GRO	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-5

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70491-7
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/6/2013 12:59:44 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70491-7

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/16/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/15/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-7
Reviewer Name: TWR	Prep Batch Number(s): 600-103765- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/15/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-7
Reviewer Name: TWR	Prep Batch Number(s): 600-103765- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/15/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70491-7
Reviewer Name: TWR	Prep Batch Number(s): 600-103765- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-70491-7

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70491-7

Comments
The report was revised on 05/06/13 to correct the SRC.

Receipt
The samples were received on 3/23/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 16.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70491-46	O-15A6 (2-2.5)	Solid	03/22/13 10:55	03/23/13 09:00

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Client Sample ID: O-15A6 (2-2.5)
Date Collected: 03/22/13 10:55
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-46
Matrix: Solid
Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0280	U	0.273	0.0280	mg/Kg	☼	04/11/13 15:24	04/12/13 09:08	1
Lead	**5.15**		0.545	0.114	mg/Kg	☼	04/11/13 15:24	04/12/13 09:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		1.0	1.0	%			04/11/13 15:58	1
Percent Solids	**88**		1.0	1.0	%			04/11/13 15:58	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-103765/1-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103765

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/11/13 15:24	04/12/13 09:04	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/11/13 15:24	04/12/13 09:04	1

Lab Sample ID: LCSSRM 600-103765/2-A
Matrix: Solid
Analysis Batch: 103818

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103765

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	99.36		mg/Kg		96.5	83.6 - 115.5
Lead	76.9	72.91		mg/Kg		94.8	81.3 - 118.7

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

QC Association Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Metals

Prep Batch: 103765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-46	O-15A6 (2-2.5)	Total/NA	Solid	3050B	
LCSSRM 600-103765/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-103765/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 103818

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-46	O-15A6 (2-2.5)	Total/NA	Solid	6010B	103765
LCSSRM 600-103765/2-A	Lab Control Sample	Total/NA	Solid	6010B	103765
MB 600-103765/1-A	Method Blank	Total/NA	Solid	6010B	103765

General Chemistry

Analysis Batch: 103777

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70491-46	O-15A6 (2-2.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Client Sample ID: O-15A6 (2-2.5)
Date Collected: 03/22/13 10:55
Date Received: 03/23/13 09:00

Lab Sample ID: 600-70491-46
Matrix: Solid
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			103765	04/11/13 15:24	NER	TAL HOU
Total/NA	Analysis	6010B		1	103818	04/12/13 09:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	103777	04/11/13 15:58	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70491-7

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

Test America THE LEADER in

600-70491 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	3/22/13	225350
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 4**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Pb/Cd/ 6010	Special Instructions/ Conditions of Receipt
O-15A7	3/22/13	1105				X	X						X	
O-15A7 (0-1)	↓	1115				↓	↓							Hold
O-15A7 (1-2)		1115												Hold
O-15A7 (2-2.5)		1115												Hold
O-15A9		1125											X	
O-15A9 (0-1)		1130												Hold
O-15A9 (1-2)		1130												Hold
EW-3		1145											X	
N-16WA		1140											X	MS/MSD
M-16A3		1200											X	
M-16A3 (0-1)		1205												Hold
M-16A3 (1-2)	↓	1205				↓	↓							Hold

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1508
2. Relinquished By: [signature]	3/22/13	1730
3. Relinquished By		

	Date	Time
1. Received By: [signature]	3/22/13	1508
2. Received By		
3. Received By: [signature]	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DBW LLC	Tim Nickels	3/22/13	225351
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 2 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Dissolved Lead	Special Instructions/ Conditions of Receipt
M-16A1	3/22/13	1215				X	X						X	
M-16A1 Dup		1215											X	
M-16A1 (0-1)		1220												Hold
M-16A1 (1-2)		1220												Hold
EW-4		1225											X	
EW-5		1300											X	
EW-6		1310											X	
EW-7		1320											X	MS/MSD
O-15A8 (0-1)		0930											X	
O-15A8 (1-2)		0935												Hold
O-15A8 (2-3)		0935												Hold
O-15A1		0835											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	3/22/13	1500	1. Received By: MMcCrone	3/22/13	1500
2. Relinquished By: MMcCrone	3/22/13	1720	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
DRW LLC	Tim Nichols	3/22/13	225352
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 3 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb/Cd 6010	Special Instructions/ Conditions of Receipt
O-15A1 (0-1)	3/22/13	0845				X	X							Hold
O-15A1 (1-2)		0845												Hold
O-15A1 (2-3)		0850												Hold
O-15A1 (3-4)		0850												Hold
O-15 (0-1)		0920											X	
O-15 (1-2)		0920												Hold
O-15 (2-3)		0925												Hold
O-15 (2-3) dup		0925												Hold
O-15A11 (0-1)		0950											X	
O-15A11 (1-2)		0955												Hold
O-15A11 (2-2.5)		0955												Hold
EW-1		1010											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1505
2. Relinquished By:	3/22/13	1730
3. Relinquished By:	Date	Time
1. Received By:	3/22/13	1520
2. Received By:	Date	Time
3. Received By:	03/23/13	0800

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/6/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nichols	3/22/13	225353
Address	Telephone Number (Area Code)/Fax Number	Lab Number	Page 4 of 4
	512-671-3434		
City / State / Zip Code	Site Contact	Lab Contact	
Project Name and Location (State)	Carrier/Waybill Number		
Exide VAP Investigation			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed): VOA, 8260	Special Instructions/ Conditions of Receipt
O-15A12	3/22/13	1025				X	X						X	
O-15A12 DUP		1025											X	
O-15A12 (0-1)		1030												Hold
O-15A12 (1-2)		1030												Hold
O-15A12 (2-3)		1030												Hold
EW-2		1040											X	
O-15A6		1050											X	
O-15A6 (0-1)		1055												Hold
O-15A6 (1-2)		1055												Hold
O-15A6 (2-2.5)	↓	1055				↓	↓							Hold

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☒ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Tim Nichols	3/22/13	1500	1. Received By: McCrae	3/22/13	1500
2. Relinquished By:	3/22/13	1730	2. Received By:		
3. Relinquished By:			3. Received By:	03/23/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70491-7

Login Number: 70491

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	16.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Data Usability Summary
Exide Recycling Center
March 19-21, 2013 Groundwater Sampling Event
TestAmerica Laboratories DATA PACKAGE 600-70421-1

Pastor, Behling & Wheeler, LLC reviewed one data package from TestAmerica Laboratories in Houston, Texas for the analysis of the groundwater samples collected March 19 and 21, 2013 at the Exide Recycling Center facility, in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives. At the time the laboratory data were generated for the project, TestAmerica Laboratories was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes and methods of analysis requested on the chain-of-custody documentation.

Intended Use of Data: To provide current data on concentrations of COC's in groundwater.

Analyses requested included:

- Method SW8260B – Volatile Organic Compounds (GC/MS)
- Method SW8270C LL – Semivolatile Organic Compounds by GCMS - Low Levels
- Method TX 1005 Texas – Total Petroleum Hydrocarbon (GC)
- Method SW6010B – Metals (ICP)
- Method SW7470A – Mercury (CVAA)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data*, (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- case narratives, and
- the field notes with respect to field instrument calibrations, filtering procedures, sampling procedures preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized in the Laboratory Review Checklists (LRCs), Exception Reports, and case narrative, all of which were included in this review.

Introduction

Five (5) groundwater samples were collected and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), metals (lead, chromium, cadmium, barium, arsenic, silver and selenium) and mercury. Table 1 lists the sample identifications cross-referenced to the laboratory identifications.

Project Objectives

Project QA/QC objectives were established as the TRRP-13 recommended control limits:

- For organic analytes: spike percent recoveries between 60% and 140%, relative percent differences (RPD) within 40%, and
- For inorganic analytes: spike percent recoveries between 70% and 130%, RPD within 30%.

DATA REVIEW / VALIDATION RESULTS

Analytical Results

Qualified sample data are listed in Table 2. Non-detected results (ND) are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. Several analytes were detected between the SDL and the method quantitation limit (MQL) and were qualified with a "J-flag" to denote that the reported values were considered to be estimated.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). Samples were received in appropriate containers in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4±2°C. Samples were preserved in the field as specified in SW-846 Table 2-40(A) and 2-40(B). Samples were prepared and analyzed within holding times as specified in SW-846 Table 2-40(A) and 2-40(B).

Calibrations

The LRC indicates the control criteria for Benzidine and 3,3-Dichlorobenzidine in the continuing calibration verification (CCV) were exceeded for analytical batches 102587 and 102677. The laboratory SOP allows for up to four target analytes to have a percent drift greater than the acceptance limit. The data were qualified and reported.

Blanks

All method blanks were adequately prepared and all results were reported as non-detected (ND) in the field blanks (equipment rinsate blank and trip blank). In the laboratory method blank for batch 102544, Methylene Chloride was detected above the MDL but below the MQL and was flagged accordingly (J-flag). None of the groundwater samples had detections of Methlyene Chloride and no further action is required.

Surrogate Recoveries

Surrogate recoveries for the VOCs, SVOCs, and TPH analyses were within the laboratory quality objectives with the exception of two surrogates in sample VCP-MW-3 and one surrogate in sample MW-28. All SVOC results for sample VCP-MW-3 were non-detect and considered estimated values with a potential low bias due to poor surrogate recovery (UJL).

Laboratory Control Samples

Laboratory control sample (LCS) recoveries were within laboratory QC acceptance limits for all VOCs, Metals, Mercury and TPH. For SVOCs, the LCS for batch 102486 was below the laboratory control limits for 3,3'-dichlorobenzidine and 3-nitroaniline. All results were non-detect and are flagged appropriately (UJL). Recoveries were above laboratory control limits for Benzidine and 4-Chloroaniline however the samples did not have detections of these analytes. No further action is required.

Matrix Spike/Matrix Spike Duplicates

MS/MSD precision and accuracy results were within the project-defined QC acceptance criteria for VOCs, Metals, Mercury and TPH. The laboratory selected a sample from another group to perform as the MS/MSD for Metals and TPH only. MS/MSDs were outside project control limits for the following SVOCs:

- For the MS or MSD, the following analytes were below project control limits: 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene, Hexachloroethane, Hexachlorobutadiene, 2-Methylnaphthalene, 3-Nitroaniline, 1,2,4-Trichlorobenzene, 3&4 Methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, Acenaphthene, Acenaphthylene, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Dibenzofuran, Fluorene, Naphthalene, Nitrobenzene, Benzyl alcohol, 2-Chlorophenol, 2-Methylphenol, 2,4-Dichlorophenol, Pentachlorophenol and Phenol. These analytes were non-detect in the associated sample and were flagged accordingly (UJL). Of these analytes, several had RPDs above the allowable 40%.

- For the MS, Benzidine and 4-Chloroaniline were above project control limits. These analytes were not detected in the associated sample and no further action is required.

- For the MSD, Benzidine and 4-Chloroaniline were above the project control limits. Benzidine also had a RPD above the allowable 40% however, because the MSD result was greater than 5 times the MQL and the associated sample was non-detect, no further action is necessary. 4-Chloroaniline was flagged accordingly (UJ) in the associated sample.

Laboratory Certification

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form except for Bromomethane by SW-846 8260B, which is reported for all aqueous samples. The results for this analyte are validated and reported as part of a suite of analytes for the method and recertification is in progress for this analyte pending TCEQ action. Per TRRP-13, the reviewer qualified all results for Bromomethane as not accredited - single analyte in a multi-analyte suite (X8).

Field Precision

Field duplicate samples were not collected due to limited sample volume.

Field Procedures

Samples were collected using documented SOPs.

SUMMARY

The analytical data are usable for the purpose of determining current COC concentrations in the groundwater at the affected property. Additionally, all results for Bromomethane in these aqueous samples are qualified as not accredited - single analyte in a multi-analyte suite (X8). QC results are reported for this analyte and meet the requirements for all of the blanks and spikes. Additionally, the laboratory is accredited for the remaining 39 target analytes in this matrix, analyzed by this method. The analyte results are validated and reported as part of a suite of analytes for the method.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification
VCP-MW-5	600-70421-1
Trip Blank	600-70421-2
Equipment Blank	600-70421-3
MW-28	600-70421-4
VCP-MW-3	600-70421-5
MW-20	600-70421-6
VCP-MW-2	600-70421-7

Table 2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
VCP-MW-5	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
MW-28	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
VCP-MW-3	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
MW-20	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
VCP-MW-2	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
VCP-MW-5	Acenaphthene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	4-Chloroaniline	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	2-Chloronaphthalene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	4-Chlorophenyl phenyl ether	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	1,2-Dichlorobenzene	UJL	MS or MSD recovery <60%
VCP-MW-5	1,3-Dichlorobenzene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	1,4-Dichlorobenzene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	3,3'-Dichlorobenzidine	UJL	LCS recovery < laboratory control limit, MS recovery <60%
VCP-MW-5	Hexachlorocyclopentadiene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	Hexachloroethane	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	Hexachlorobutadiene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	2-Methylnaphthalene	UJL	MS or MSD recovery <60%
VCP-MW-5	3-Nitroaniline	UJL	LCS recovery < laboratory control limit, MS or MSD recovery <60%
VCP-MW-5	1,2,4-Trichlorobenzene	UJL	MS or MSD recovery <60%, MSD RPD >40%
VCP-MW-5	3&4 Methylphenol	UJL	MS or MSD recovery <60%
VCP-MW-5	2,4-Dinitrophenol	UJL	MS or MSD recovery <60%
VCP-MW-5	4-Nitrophenol	UJL	MS or MSD recovery <60%
VCP-MW-5	Phenol	UJL	MS or MSD recovery <60%
VCP-MW-5	2,4-Dichlorophenol	UJL	MS or MSD recovery <60%
VCP-MW-5	2-Chlorophenol	UJL	MS or MSD recovery <60%
VCP-MW-5	2-Methylphenol	UJL	MS or MSD recovery <60%
VCP-MW-5	Acenaphthylene	UJL	MS or MSD recovery <60%
VCP-MW-5	Benzyl alcohol	UJL	MS or MSD recovery <60%
VCP-MW-5	Dibenzofuran	UJL	MS or MSD recovery <60%
VCP-MW-5	Fluorene	UJL	MS or MSD recovery <60%
VCP-MW-5	Naphthalene	UJL	MS or MSD recovery <60%
VCP-MW-5	Nitrobenzene	UJL	MS or MSD recovery <60%

Field Identification	Analyte	Qualification	Reason for Qualification
VCP-MW-5	Pentachlorophenol	UJL	MS or MSD recovery <60%
MW-28	3,3'-Dichlorobenzidine	UJL	LCS recovery < laboratory control limit
MW-28	4-Nitroaniline	UJL	LCS recovery < laboratory control limit
VCP-MW-3	Acenaphthene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Acenaphthylene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Anthracene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzidine	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzo[a]anthracene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzo[b]fluoranthene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzo[k]fluoranthene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzo[g,h,i]perylene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzo[a]pyrene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Bis(2-chloroethoxy)methane	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Bis(2-chloroethyl)ether	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Bis(2-ethylhexyl) phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4-Bromophenyl phenyl ether	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Butyl benzyl phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4-Chloroaniline	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Chloronaphthalene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4-Chlorophenyl phenyl ether	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Carbazole	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Chrysene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Di-n-butyl phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Dibenz(a,h)anthracene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Dibenzofuran	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	1,2-Dichlorobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds, LCS recovery <60%
VCP-MW-3	1,3-Dichlorobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	1,4-Dichlorobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	3,3'-Dichlorobenzidine	UJL	Surrogate recoveries <60% for 2 or more compounds, LCS recovery < laboratory control limit
VCP-MW-3	Diethyl phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Dimethyl phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4-Dinitrotoluene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Di-n-octyl phthalate	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Fluoranthene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Fluorene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Hexachlorobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Hexachlorocyclopentadiene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Hexachloroethane	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Hexachlorobutadiene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Indeno[1,2,3-cd]pyrene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Isophorone	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Methylnaphthalene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Naphthalene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Nitroaniline	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	3-Nitroaniline	UJL	Surrogate recoveries <60% for 2 or more compounds,

Field Identification	Analyte	Qualification	Reason for Qualification
			LCS recovery < laboratory control limit
VCP-MW-3	4-Nitroaniline	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Nitrobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	N-Nitrosodimethylamine	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	N-Nitrosodiphenylamine	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	N-Nitrosodi-n-propylamine	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Phenanthrene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Pyrene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	1,2,4-Trichlorobenzene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Benzyl alcohol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4-Chloro-3-methylphenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Chlorophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Methylphenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	3&4 Methylphenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4-Dichlorophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4-Dimethylphenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4,6-Dinitro-2-methylphenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4-Dinitrophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2-Nitrophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	4-Nitrophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Pentachlorophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	Phenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4,5-Trichlorophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,4,6-Trichlorophenol	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	2,6-Dinitrotoluene	UJL	Surrogate recoveries <60% for 2 or more compounds
VCP-MW-3	bis(2-Chloroisopropyl)ether	UJL	Surrogate recoveries <60% for 2 or more compounds
MW-20	3,3'-Dichlorobenzidine	UJL	LCS recovery < laboratory control limit
MW-20	3-Nitroaniline	UJL	LCS recovery < laboratory control limit
VCP-MW-2	3,3'-Dichlorobenzidine	UJL	LCS recovery < laboratory control limit
VCP-MW-2	3-Nitroaniline	UJL	LCS recovery < laboratory control limit

J – Estimated data.
U – Analyte was not detected above the sample detection limit.
L – Bias in sample result likely to be low.
X8 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ offers accreditation for this analyte, in this matrix, analyzed by this method, but the laboratory is not accredited for this analyte in this matrix by this method. The analyte result is validated and reported as part of a suite of analytes for the method.

Prepared by: Kate McCarthy, PG Date: May 9, 2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70421-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
4/12/2013 2:18:53 PM
Cathy Upton
Data Delivery Analyst
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Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70421-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/12/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102708- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102708- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102708- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	1
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70421
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the PDS/SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: YX	Prep Batch Number: 600-102544-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			3

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: YX	Prep Batch Number: 600-102544-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: YX	Prep Batch Number: 600-102544-VOA

ER #[1]	DESCRIPTION
1	Methylene chloride was detected above the MDL, but below the MQL in the method blank. The level of detection is below the recommended reporting limit and the appropriate flags have been applied to the report.
2	The Styrene recovery in sample 600-70421-1 MSD and RPD between the MS/MSD were outside control limits. Matrix interference is suspected.
3	The laboratory is not NELAC certified for Bromomethane.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/28/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: TTD	Prep Batch Number: 600-102486-SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/28/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: TTD	Prep Batch Number: 600-102486-SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			4
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/28/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421
Reviewer Name: TTD	Prep Batch Number: 600-102486-SV

ER #[1]	DESCRIPTION
1	Six surrogates are used for this analysis. The laboratory's SOP allows one base and one acid of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. Samples 70421-4 and -5 contained an allowable number of surrogate compounds outside limits. These results have been reported and qualified.
2	The laboratory control sample (LCS) for batch 102486 exceeded control limits for the following analytes: Benzidine, 4-Chloroaniline, 3-Nitroaniline, and 3,3-Dichlorobenzidine. Benzidine and 4-Chloroaniline were biased high in the LCS and were not detected in the associated samples. 3-Nitroaniline and 3,3-Dichlorobenzidine have been identified as poor performing analytes when analyzed using this method. These results have been reported and qualified.
3	The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision were outside control limits. Matrix interference is suspected.
4	The continuing calibration verifications (CCVs) for analytical batches 102587 and 102677 exceeded control criteria for Benzidine and 3,3-Dichlorobenzidine. The SOP allows for up to four target analytes to have a %drift greater than the acceptance limit. The data have been qualified and reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/26/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421-1
Reviewer Name: RJV	Prep Batch Number(s): 600- 102464 - TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
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5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/26/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421-1
Reviewer Name: RJV	Prep Batch Number(s): 600- 102464 - TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/26/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70421-1
Reviewer Name: RJV	Prep Batch Number(s): 600- 102464 - TX1005

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix: Water
Method: 8260B_LL
Preparation: Wei Shen
Date Analyzed: 1/7/2013
Date Prepared: 1/7/2013
TALs Batches: 600-96768
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Chloromethane	0.18	0.5	0	2
Vinyl Chloride	0.11	0.5	0.461	2
Chloroethane	0.08	0.5	0.475	2
1,1-Dichloroethene	0.19	0.5	0.367	1
trans-1,2-Dichloroethene	0.09	0.5	0.506	1
Acetone	0.99	0.5	0	2
Carbon Disulfide	0.24	0.5	0.85	1
Methylene Chloride	0.15	0.5	0	1
Vinyl Acetate	0.21	0.5	0	1
cis-1,2-Dichloroethene	0.3	0.5	0.497	1
2-Butanone (MEK)	0.76	0.5	0	5
Bromochloromethane	0.18	0.5	0.459	1
Carbon Tetrachloride	0.15	0.5	2.45	5
Benzene	0.08	0.5	0.47	1
1,2-Dichloroethane	0.14	0.5	0.367	1
Trichloroethene	0.13	0.5	0.494	1
1,1,1-Trichloroethane	0.15	0.5	0.937	1
1,1-Dichloroethane	0.11	0.5	0.483	1
1,2-Dichloropropane	0.16	0.5	0.48	1
cis-1,3-Dichloropropene	0.18	0.5	0	1
4-Methyl-2-pentanone	0.45	0.5	0.861	2
Toluene	0.15	0.5	0.462	1
trans-1,3-Dichloropropene	0.21	0.5	0	1
1,1,2-Trichloroethane	0.28	0.5	0.41	1
Tetrachloroethene	0.18	0.5	0.477	1
2-Hexanone	0.35	0.5	0	
Chlorobenzene	0.12	0.5	0.502	1
Ethylbenzene	0.11	0.5	0.473	1
m,p-Xylene	0.17	0.5	0.844	2
o-Xylene	0.12	0.5	0.469	1
Xylenes (total)	0.26	0.5	1.31	3
Styrene	0.07	0.25	0.36	1
Bromoform	0.19	0.25	0	1
1,1,2,2-Tetrachloroethane	0.22	0.5	0	1
Chlorobromomethane	0.18	0.5	0.513	1
Chlorodibromomethane	0.15	0.5	1.08	1
Chloroform	0.13	0.5	0.505	1
Chloroform	0.16	0.5	0.392	1

Quality Control Report

Detection Check Standard

Matrix:	Water
Method:	8270C LL
Preparation:	3510C
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Lab Sample ID:	600-96501/6-A
Units:	ug/L

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	0.04	0.25	0.062	0.5
N-Nitrosodimethylamine	0.26	0.5	0.305	0.5
bis (2-Chloroisopropyl) ether	0.4	0.5	0.692	0.5
Aniline	0.08	0.25	0.143	0.5
Phenol	0.04	0.25	0.087	0.5
bis(2-Chloroethyl)ether	0.15	0.5	0.371	0.5
2-Chlorophenol	0.13	0.5	0.368	0.5
1,3-Dichlorobenzene	0.17	0.5	0.433	0.5
1,4-Dichlorobenzene	0.13	0.5	0.533	0.5
1,2-Dichlorobenzene	0.17	0.5	0.469	0.5
Benzyl alcohol	0.17	0.5	0.211	0.5
2-Methylphenol (o-cresol)	0.12	0.5	0.353	0.5
3&4-Methylphenol (m&p-Cresols)	0.2	0.5	0.287	1
N-Nitroso-di-n-propylamine	0.1	0.5	0.455	0.5
Hexachloroethane	0.1	0.5	0.490	0.5
Dibenzo(a,h)anthracene	0.08	0.25	0.889	0.5
Indeno(1,2,3-cd)pyrene	0.07	0.25	0.972	0.5
Nitrobenzene	0.11	0.25	0.298	0.5
Isophorone	0.11	0.25	0.207	0.5
2-Nitrophenol	0.22	0.5	0.608	0.5
Benzoic acid	2.51	5	7.32	2.5
2,4-Dimethylphenol	0.15	0.5	0.513	0.5
bis(2-Chloroethoxy)methane	0.13	0.5	0.455	0.5
2,4-Dichlorophenol	0.15	0.5	0.457	0.5
1,2,4-Trichlorobenzene	0.12	0.5	0.340	0.5
Naphthalene	0.08	0.25	0.242	0.5
Benzo(a)pyrene	0.08	0.25	0.530	0.5
Hexachlorobutadiene	0.18	0.5	0.611	0.5
4-Chloro-3-methylphenol	0.17	0.5	0.419	0.5
2-Methylnaphthalene	0.07	0.25	0.229	0.5
1-Methylnaphthalene	0.09	0.25	0.215	0.5
Benzo(k)fluoranthene	0.09	0.25	0.196	0.5
Hexachlorocyclopentadiene	0.13	0.5	0.560	0.5
2,4,6-Trichlorophenol	0.18	0.5	0.638	0.5
2,4,5-Trichlorophenol	0.25	0.5	0.656	0.5
2-Chloronaphthalene	0.08	0.25	0.231	0.5
2-Nitroaniline	0.19	0.5	0.787	0.5
1,4-Dinitrobenzene	0.5	0.5	0.747	0.5
1,3-Dinitrobenzene	0.08	0.25	0.637	0.5
1,2-Dinitrobenzene	0.5	0.5	0.832	0.5

Dimethylphthalate	0.07	0.25	0.220	0.5
Acenaphthylene	0.06	0.25	0.191	0.5
2,6-Dinitrotoluene	0.08	0.5	0.618	0.5
Benzo(b)fluoranthene	0.07	0.5	0.701	0.5
Acenaphthene	0.08	0.5	0.382	0.5
Di-n-octylphthalate	0.16	0.5	1.910	0.5
4-Nitrophenol	0.56	2.5	1.34	1
Dibenzofuran	0.08	0.25	0.181	0.5
2,4-Dinitrotoluene	0.13	0.5	0.538	0.5
2,3,4,6-Tetrachlorophenol	0.5	0.5	0.501	0.5
2,3,5,6-Tetrachlorophenol	0.5	0.5	0.201	0.5
Diethylphthalate	1.5	0.5	0.584	0.5
4-Chlorophenyl-phenylether	0.1	0.5	0.544	0.5
Fluorene	0.07	0.25	0.245	0.5
4-Nitroaniline	0.25	0.5	1.070	0.5
Chrysene	0.08	0.25	0.180	0.5
4,6-Dinitro-2-methylphenol	0.83	2.5	1.27	0.5
N-Nitrosodiphenylamine	0.1	0.5	0.366	0.5
Diphenylamine	0.1	0.5	0.344	0.5
1,2-Diphenylhydrazine	0.11	0.25	0.136	0.5
Azobenzene	0.07	0.25	0.156	0.5
4-Bromophenyl-phenylether	0.1	0.5	0.432	0.5
Hexachlorobenzene	0.11	0.25	0.218	0.5
Pentachlorophenol	0.61	0.5	1.460	0.5
Phenanthrene	0.06	0.25	0.222	0.5
Anthracene	0.05	0.25	0.234	0.5
Carbazole	0.17	0.5	0.418	0.5
Di-n-butylphthalate	0.11	0.25	0.503	0.5
Fluoranthene	0.07	0.25	0.198	0.5
Benzidine	0.61	1	0.434	0.5
Pyrene	0.11	0.25	0.205	0.5
Butylbenzylphthalate	0.12	0.5	0.857	0.5
3,3'-Dichlorobenzidine	0.18	0.5	0.463	0.5
Benzo(a)anthracene	0.08	0.25	0.184	0.5
bis(2-Ethylhexyl)phthalate	0.37	0.5	1.010	0.5
Benzo(g,h,i)perylene	0.08	0.25	0.554	0.5
4-Chloroaniline	0.21	0.5	0.380	0.5
3-Nitroaniline	0.16	0.5	0.691	0.5

Detection Check Standard

Matrix: Water
Method: TX1005
Preparation: TX1005
Date Analyzed: 1/3/2013
Date Prepared: 1/3/2013
Data File: FID-12\A010313_04.d
Units: mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	0.37	1	0.507	10
>C12-C28	0.96	1	0.46	10
Total C6-C35	0.96	2	0.967	10

Detection Check Standard

Matrix:	Water
Method:	7470, 245.1
Preparation:	7470p, 245.1p
Date Analyzed:	1/31/2013
Date Prepared:	1/31/2013
Instrument:	FIMS100
TALs Batches:	98523, 98496p
Units:	ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Mercury	0.082	0.16	0.078	0.2

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-70421-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70421-1

Comments
No additional comments.

Receipt
The samples were received on 3/22/2013 8:38 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70421-1	VCP-MW-5	Water	03/19/13 16:15	03/22/13 08:38
600-70421-2	Trip Blank	Water	03/12/13 14:00	03/22/13 08:38
600-70421-3	Equipment Blank 1	Water	03/19/13 16:50	03/22/13 08:38
600-70421-4	MW-28	Water	03/21/13 08:30	03/22/13 08:38
600-70421-5	VCP-MW-3	Water	03/21/13 09:30	03/22/13 08:38
600-70421-6	MW-20	Water	03/21/13 13:30	03/22/13 08:38
600-70421-7	VCP-MW-2	Water	03/21/13 14:30	03/22/13 08:38

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-5
Date Collected: 03/19/13 16:15
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 20:43	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 20:43	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 20:43	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 20:43	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 20:43	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 20:43	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 20:43	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 20:43	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 20:43	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 20:43	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 20:43	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 20:43	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 20:43	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 20:43	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 20:43	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 20:43	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 20:43	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 20:43	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 20:43	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 20:43	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 20:43	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 20:43	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 20:43	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 20:43	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 20:43	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 20:43	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 20:43	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 20:43	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 20:43	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 20:43	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 20:43	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 20:43	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 20:43	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 20:43	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 20:43	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 20:43	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 20:43	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 20:43	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 20:43	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 20:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*70 - 130*		*03/25/13 20:43*	*1*
Dibromofluoromethane	*94*		*62 - 130*		*03/25/13 20:43*	*1*
4-Bromofluorobenzene	*101*		*67 - 139*		*03/25/13 20:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*		*03/25/13 20:43*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-5
Date Collected: 03/19/13 16:15
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzidine	17.9	U *	50.0	17.9	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 13:54	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/25/13 14:00	03/26/13 13:54	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 13:54	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/25/13 14:00	03/26/13 13:54	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 13:54	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Chloroaniline	0.110	U *	1.00	0.110	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/25/13 14:00	03/26/13 13:54	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/25/13 14:00	03/26/13 13:54	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/25/13 14:00	03/26/13 13:54	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/25/13 14:00	03/26/13 13:54	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		03/25/13 14:00	03/26/13 13:54	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		03/25/13 14:00	03/26/13 13:54	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		03/25/13 14:00	03/26/13 13:54	1
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320	ug/L		03/25/13 14:00	03/26/13 13:54	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/25/13 14:00	03/26/13 13:54	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/25/13 14:00	03/26/13 13:54	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		03/25/13 14:00	03/26/13 13:54	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/25/13 14:00	03/26/13 13:54	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 13:54	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 13:54	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/25/13 14:00	03/26/13 13:54	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/25/13 14:00	03/26/13 13:54	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 13:54	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 13:54	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 13:54	1
3-Nitroaniline	0.130	U *	2.50	0.130	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		03/25/13 14:00	03/26/13 13:54	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/25/13 14:00	03/26/13 13:54	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/25/13 14:00	03/26/13 13:54	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/25/13 14:00	03/26/13 13:54	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/25/13 14:00	03/26/13 13:54	1
Pyrene	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 13:54	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1

Client Sample ID: VCP-MW-5
Date Collected: 03/19/13 16:15
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 13:54	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 13:54	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/25/13 14:00	03/26/13 13:54	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/25/13 14:00	03/26/13 13:54	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/25/13 14:00	03/26/13 13:54	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/25/13 14:00	03/26/13 13:54	1
Phenol	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 13:54	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/25/13 14:00	03/26/13 13:54	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/25/13 14:00	03/26/13 13:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*22*		*12 - 128*	*03/25/13 14:00*	*03/26/13 13:54*	*1*
Terphenyl-d14	*70*		*33 - 141*	*03/25/13 14:00*	*03/26/13 13:54*	*1*
Nitrobenzene-d5	*57*		*47 - 120*	*03/25/13 14:00*	*03/26/13 13:54*	*1*
2-Fluorophenol	*43*		*18 - 120*	*03/25/13 14:00*	*03/26/13 13:54*	*1*
2-Fluorobiphenyl	*54*		*43 - 120*	*03/25/13 14:00*	*03/26/13 13:54*	*1*
2,4,6-Tribromophenol	*54*		*44 - 123*	*03/25/13 14:00*	*03/26/13 13:54*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.825	U	4.97	0.825	mg/L		03/25/13 12:03	03/26/13 01:32	1
>C12-C28	0.954	U	4.97	0.954	mg/L		03/25/13 12:03	03/26/13 01:32	1
>C28-C35	0.954	U	4.97	0.954	mg/L		03/25/13 12:03	03/26/13 01:32	1
C6-C35	1.55	U	4.97	1.55	mg/L		03/25/13 12:03	03/26/13 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*70 - 130*	*03/25/13 12:03*	*03/26/13 01:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 13:53	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 13:53	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 13:53	1
Ba	**0.0836**		0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 13:53	1
As	0.00328	U	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 13:53	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 13:53	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 13:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:56	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: Trip Blank
Date Collected: 03/12/13 14:00
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 18:50	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:50	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 18:50	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 18:50	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 18:50	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 18:50	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 18:50	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 18:50	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 18:50	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 18:50	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 18:50	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 18:50	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 18:50	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 18:50	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 18:50	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 18:50	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:50	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 18:50	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 18:50	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 18:50	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 18:50	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 18:50	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 18:50	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 18:50	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 18:50	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:50	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 18:50	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 18:50	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 18:50	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 18:50	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 18:50	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 18:50	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 18:50	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 18:50	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 18:50	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 18:50	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 18:50	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 18:50	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 18:50	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 18:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*03/25/13 18:50*	*1*
Dibromofluoromethane	*96*		*62 - 130*		*03/25/13 18:50*	*1*
4-Bromofluorobenzene	*100*		*67 - 139*		*03/25/13 18:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*03/25/13 18:50*	*1*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: Equipment Blank 1
Date Collected: 03/19/13 16:50
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0232		0.0100	0.00227	mg/L			03/25/13 19:19	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 19:19	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 19:19	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 19:19	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 19:19	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 19:19	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 19:19	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 19:19	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 19:19	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 19:19	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 19:19	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 19:19	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 19:19	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 19:19	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 19:19	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 19:19	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 19:19	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 19:19	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 19:19	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 19:19	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 19:19	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 19:19	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 19:19	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 19:19	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 19:19	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 19:19	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 19:19	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 19:19	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 19:19	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 19:19	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 19:19	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 19:19	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 19:19	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 19:19	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 19:19	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 19:19	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 19:19	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 19:19	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 19:19	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 19:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*03/25/13 19:19*	*1*
Dibromofluoromethane	*91*		*62 - 130*		*03/25/13 19:19*	*1*
4-Bromofluorobenzene	*115*		*67 - 139*		*03/25/13 19:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*03/25/13 19:19*	*1*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: MW-28
Date Collected: 03/21/13 08:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 21:11	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:11	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 21:11	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 21:11	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 21:11	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 21:11	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 21:11	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 21:11	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 21:11	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 21:11	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 21:11	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 21:11	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 21:11	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 21:11	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 21:11	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 21:11	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:11	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 21:11	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 21:11	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 21:11	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 21:11	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 21:11	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 21:11	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 21:11	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 21:11	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:11	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 21:11	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 21:11	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 21:11	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 21:11	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 21:11	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 21:11	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 21:11	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 21:11	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 21:11	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 21:11	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 21:11	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 21:11	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 21:11	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*109*		*70 - 130*		*03/25/13 21:11*	*1*
Dibromofluoromethane	*96*		*62 - 130*		*03/25/13 21:11*	*1*
4-Bromofluorobenzene	*96*		*67 - 139*		*03/25/13 21:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/25/13 21:11*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: MW-28
Date Collected: 03/21/13 08:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-4
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzidine	17.9	U *	50.0	17.9	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 15:16	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/25/13 14:00	03/26/13 15:16	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 15:16	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/25/13 14:00	03/26/13 15:16	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 15:16	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Chloroaniline	0.110	U *	1.00	0.110	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/25/13 14:00	03/26/13 15:16	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/25/13 14:00	03/26/13 15:16	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/25/13 14:00	03/26/13 15:16	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/25/13 14:00	03/26/13 15:16	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		03/25/13 14:00	03/26/13 15:16	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		03/25/13 14:00	03/26/13 15:16	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		03/25/13 14:00	03/26/13 15:16	1
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320	ug/L		03/25/13 14:00	03/26/13 15:16	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/25/13 14:00	03/26/13 15:16	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/25/13 14:00	03/26/13 15:16	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		03/25/13 14:00	03/26/13 15:16	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/25/13 14:00	03/26/13 15:16	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 15:16	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 15:16	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/25/13 14:00	03/26/13 15:16	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/25/13 14:00	03/26/13 15:16	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 15:16	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 15:16	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 15:16	1
3-Nitroaniline	0.130	U *	2.50	0.130	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		03/25/13 14:00	03/26/13 15:16	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/25/13 14:00	03/26/13 15:16	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/25/13 14:00	03/26/13 15:16	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/25/13 14:00	03/26/13 15:16	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/25/13 14:00	03/26/13 15:16	1
Pyrene	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 15:16	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1

Client Sample ID: MW-28
Date Collected: 03/21/13 08:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-4
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 15:16	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 15:16	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/25/13 14:00	03/26/13 15:16	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/25/13 14:00	03/26/13 15:16	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/25/13 14:00	03/26/13 15:16	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/25/13 14:00	03/26/13 15:16	1
Phenol	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 15:16	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/25/13 14:00	03/26/13 15:16	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/25/13 14:00	03/26/13 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*22*		*12 - 128*	*03/25/13 14:00*	*03/26/13 15:16*	*1*
Terphenyl-d14	*75*		*33 - 141*	*03/25/13 14:00*	*03/26/13 15:16*	*1*
Nitrobenzene-d5	*44*	*X*	*47 - 120*	*03/25/13 14:00*	*03/26/13 15:16*	*1*
2-Fluorophenol	*34*		*18 - 120*	*03/25/13 14:00*	*03/26/13 15:16*	*1*
2-Fluorobiphenyl	*47*		*43 - 120*	*03/25/13 14:00*	*03/26/13 15:16*	*1*
2,4,6-Tribromophenol	*55*		*44 - 123*	*03/25/13 14:00*	*03/26/13 15:16*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.823	U	4.96	0.823	mg/L		03/25/13 12:03	03/26/13 02:05	1
>C12-C28	0.952	U	4.96	0.952	mg/L		03/25/13 12:03	03/26/13 02:05	1
>C28-C35	0.952	U	4.96	0.952	mg/L		03/25/13 12:03	03/26/13 02:05	1
C6-C35	1.55	U	4.96	1.55	mg/L		03/25/13 12:03	03/26/13 02:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*70 - 130*	*03/25/13 12:03*	*03/26/13 02:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:03	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 14:03	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:03	1
Ba	**0.0786**		0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 14:03	1
As	0.00328	U	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 14:03	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 14:03	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 14:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:58	1

Client Sample ID: VCP-MW-3
Date Collected: 03/21/13 09:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 21:39	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:39	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 21:39	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 21:39	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 21:39	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 21:39	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 21:39	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 21:39	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 21:39	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 21:39	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 21:39	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 21:39	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 21:39	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 21:39	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 21:39	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 21:39	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:39	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 21:39	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 21:39	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 21:39	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 21:39	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 21:39	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 21:39	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 21:39	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 21:39	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 21:39	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 21:39	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 21:39	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 21:39	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 21:39	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 21:39	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 21:39	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 21:39	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 21:39	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 21:39	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 21:39	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 21:39	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 21:39	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 21:39	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 21:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*03/25/13 21:39*	*1*
Dibromofluoromethane	*91*		*62 - 130*		*03/25/13 21:39*	*1*
4-Bromofluorobenzene	*101*		*67 - 139*		*03/25/13 21:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*		*03/25/13 21:39*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-3
Date Collected: 03/21/13 09:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-5
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzidine	17.9	U *	50.0	17.9	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/27/13 13:42	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/25/13 14:00	03/27/13 13:42	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/27/13 13:42	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/25/13 14:00	03/27/13 13:42	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/27/13 13:42	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Chloroaniline	0.110	U *	1.00	0.110	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/25/13 14:00	03/27/13 13:42	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/25/13 14:00	03/27/13 13:42	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/25/13 14:00	03/27/13 13:42	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/25/13 14:00	03/27/13 13:42	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		03/25/13 14:00	03/27/13 13:42	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		03/25/13 14:00	03/27/13 13:42	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		03/25/13 14:00	03/27/13 13:42	1
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320	ug/L		03/25/13 14:00	03/27/13 13:42	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/25/13 14:00	03/27/13 13:42	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/25/13 14:00	03/27/13 13:42	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		03/25/13 14:00	03/27/13 13:42	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/25/13 14:00	03/27/13 13:42	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/27/13 13:42	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/27/13 13:42	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/25/13 14:00	03/27/13 13:42	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/25/13 14:00	03/27/13 13:42	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/27/13 13:42	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/27/13 13:42	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/27/13 13:42	1
3-Nitroaniline	0.130	U *	2.50	0.130	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		03/25/13 14:00	03/27/13 13:42	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/25/13 14:00	03/27/13 13:42	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/25/13 14:00	03/27/13 13:42	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/25/13 14:00	03/27/13 13:42	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/25/13 14:00	03/27/13 13:42	1
Pyrene	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/27/13 13:42	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1

Client Sample ID: VCP-MW-3
Date Collected: 03/21/13 09:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-5
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/27/13 13:42	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/27/13 13:42	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/25/13 14:00	03/27/13 13:42	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/25/13 14:00	03/27/13 13:42	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/25/13 14:00	03/27/13 13:42	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/25/13 14:00	03/27/13 13:42	1
Phenol	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/27/13 13:42	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/25/13 14:00	03/27/13 13:42	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/25/13 14:00	03/27/13 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*22*		*12 - 128*	*03/25/13 14:00*	*03/27/13 13:42*	*1*
Terphenyl-d14	*76*		*33 - 141*	*03/25/13 14:00*	*03/27/13 13:42*	*1*
Nitrobenzene-d5	*44*	*X*	*47 - 120*	*03/25/13 14:00*	*03/27/13 13:42*	*1*
2-Fluorophenol	*38*		*18 - 120*	*03/25/13 14:00*	*03/27/13 13:42*	*1*
2-Fluorobiphenyl	*45*		*43 - 120*	*03/25/13 14:00*	*03/27/13 13:42*	*1*
2,4,6-Tribromophenol	*43*	*X*	*44 - 123*	*03/25/13 14:00*	*03/27/13 13:42*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.811	U	4.88	0.811	mg/L		03/25/13 12:03	03/26/13 02:38	1
>C12-C28	0.938	U	4.88	0.938	mg/L		03/25/13 12:03	03/26/13 02:38	1
>C28-C35	0.938	U	4.88	0.938	mg/L		03/25/13 12:03	03/26/13 02:38	1
C6-C35	1.52	U	4.88	1.52	mg/L		03/25/13 12:03	03/26/13 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*70 - 130*	*03/25/13 12:03*	*03/26/13 02:38*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**0.00640**	**J**	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:05	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 14:05	1
Cd	**0.000400**	**J**	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:05	1
Ba	**0.0361**		0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 14:05	1
As	0.00328	U	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 14:05	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 14:05	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 14:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 10:03	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: MW-20
Date Collected: 03/21/13 13:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-6
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 22:07	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:07	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 22:07	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 22:07	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 22:07	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 22:07	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 22:07	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 22:07	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 22:07	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 22:07	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 22:07	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 22:07	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 22:07	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 22:07	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 22:07	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 22:07	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:07	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 22:07	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 22:07	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 22:07	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 22:07	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 22:07	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 22:07	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 22:07	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 22:07	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:07	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 22:07	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 22:07	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 22:07	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 22:07	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 22:07	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 22:07	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 22:07	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 22:07	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 22:07	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 22:07	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 22:07	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 22:07	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 22:07	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 22:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*70 - 130*		*03/25/13 22:07*	*1*
Dibromofluoromethane	*92*		*62 - 130*		*03/25/13 22:07*	*1*
4-Bromofluorobenzene	*101*		*67 - 139*		*03/25/13 22:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*03/25/13 22:07*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.816	U	4.92	0.816	mg/L		03/25/13 12:03	03/26/13 03:11	1

Client Sample ID: MW-20
Lab Sample ID: 600-70421-6

Date Collected: 03/21/13 13:30
Matrix: Water
Date Received: 03/22/13 08:38

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
>C12-C28	0.944	U	4.92	0.944	mg/L		03/25/13 12:03	03/26/13 03:11	1
>C28-C35	0.944	U	4.92	0.944	mg/L		03/25/13 12:03	03/26/13 03:11	1
C6-C35	1.53	U	4.92	1.53	mg/L		03/25/13 12:03	03/26/13 03:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*70 - 130*	*03/25/13 12:03*	*03/26/13 03:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**0.00500**	**J**	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:08	1
Cr	**0.00210**	**J**	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 14:08	1
Cd	**0.00220**	**J**	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:08	1
Ba	**0.0193**	**J**	0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 14:08	1
As	0.00328	U	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 14:08	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 14:08	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 14:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 10:05	1

Client Sample ID: VCP-MW-2
Lab Sample ID: 600-70421-7

Date Collected: 03/21/13 14:30
Matrix: Water
Date Received: 03/22/13 08:38

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 22:35	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:35	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 22:35	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 22:35	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 22:35	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 22:35	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 22:35	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 22:35	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 22:35	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 22:35	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 22:35	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 22:35	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 22:35	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 22:35	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 22:35	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 22:35	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:35	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 22:35	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 22:35	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 22:35	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 22:35	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 22:35	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 22:35	1

Client Sample ID: VCP-MW-2
Date Collected: 03/21/13 14:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-7
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/25/13 22:35	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 22:35	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 22:35	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 22:35	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 22:35	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 22:35	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 22:35	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 22:35	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 22:35	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 22:35	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 22:35	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 22:35	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 22:35	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 22:35	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 22:35	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 22:35	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/25/13 22:35*	*1*
Dibromofluoromethane	*93*		*62 - 130*		*03/25/13 22:35*	*1*
4-Bromofluorobenzene	*110*		*67 - 139*		*03/25/13 22:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*		*03/25/13 22:35*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzidine	17.9	U *	50.0	17.9	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/25/13 14:00	03/26/13 16:11	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 16:11	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/25/13 14:00	03/26/13 16:11	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 16:11	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Chloroaniline	0.110	U *	1.00	0.110	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/25/13 14:00	03/26/13 16:11	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/25/13 14:00	03/26/13 16:11	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/25/13 14:00	03/26/13 16:11	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/25/13 14:00	03/26/13 16:11	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		03/25/13 14:00	03/26/13 16:11	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		03/25/13 14:00	03/26/13 16:11	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		03/25/13 14:00	03/26/13 16:11	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-2
Date Collected: 03/21/13 14:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-7
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
3,3'-Dichlorobenzidine	0.320	U *	5.00	0.320	ug/L		03/25/13 14:00	03/26/13 16:11	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/25/13 14:00	03/26/13 16:11	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/25/13 14:00	03/26/13 16:11	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		03/25/13 14:00	03/26/13 16:11	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/25/13 14:00	03/26/13 16:11	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 16:11	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 16:11	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/25/13 14:00	03/26/13 16:11	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/25/13 14:00	03/26/13 16:11	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 16:11	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 16:11	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 16:11	1
3-Nitroaniline	0.130	U *	2.50	0.130	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		03/25/13 14:00	03/26/13 16:11	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/25/13 14:00	03/26/13 16:11	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/25/13 14:00	03/26/13 16:11	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/25/13 14:00	03/26/13 16:11	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/25/13 14:00	03/26/13 16:11	1
Pyrene	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 16:11	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 16:11	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 16:11	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/25/13 14:00	03/26/13 16:11	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/25/13 14:00	03/26/13 16:11	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/25/13 14:00	03/26/13 16:11	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/25/13 14:00	03/26/13 16:11	1
Phenol	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 16:11	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/25/13 14:00	03/26/13 16:11	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/25/13 14:00	03/26/13 16:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*16*		*12 - 128*	*03/25/13 14:00*	*03/26/13 16:11*	*1*
Terphenyl-d14	*72*		*33 - 141*	*03/25/13 14:00*	*03/26/13 16:11*	*1*
Nitrobenzene-d5	*52*		*47 - 120*	*03/25/13 14:00*	*03/26/13 16:11*	*1*
2-Fluorophenol	*37*		*18 - 120*	*03/25/13 14:00*	*03/26/13 16:11*	*1*
2-Fluorobiphenyl	*48*		*43 - 120*	*03/25/13 14:00*	*03/26/13 16:11*	*1*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-2
Date Collected: 03/21/13 14:30
Date Received: 03/22/13 08:38

Lab Sample ID: 600-70421-7
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*44 - 123*	*03/25/13 14:00*	*03/26/13 16:11*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.813	U	4.90	0.813	mg/L		03/25/13 12:03	03/26/13 03:43	1
>C12-C28	0.941	U	4.90	0.941	mg/L		03/25/13 12:03	03/26/13 03:43	1
>C28-C35	0.941	U	4.90	0.941	mg/L		03/25/13 12:03	03/26/13 03:43	1
C6-C35	1.53	U	4.90	1.53	mg/L		03/25/13 12:03	03/26/13 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*95*		*70 - 130*	*03/25/13 12:03*	*03/26/13 03:43*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**0.00810**	**J**	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 14:10	1
Cr	**0.00230**	**J**	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 14:10	1
Cd	**0.00190**	**J**	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 14:10	1
Ba	**0.0192**	**J**	0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 14:10	1
As	**0.00660**	**J**	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 14:10	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 14:10	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 14:10	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 10:07	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
*	LCS or LCSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-70421-1	VCP-MW-5	102	94	101	94
600-70421-1 MS	VCP-MW-5	108	96	111	92
600-70421-1 MSD	VCP-MW-5	108	95	99	94
600-70421-2	Trip Blank	109	96	100	91
600-70421-3	Equipment Blank 1	108	91	115	92
600-70421-4	MW-28	109	96	96	88
600-70421-5	VCP-MW-3	112	91	101	91
600-70421-6	MW-20	105	92	101	86
600-70421-7	VCP-MW-2	103	93	110	92
LCS 600-102544/8	Lab Control Sample	107	96	100	91
MB 600-102544/9	Method Blank	101	91	106	87

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPH	NBZ	2FP	FBP	TBP
Lab Sample ID	Client Sample ID	(12-128)	(33-141)	(47-120)	(18-120)	(43-120)	(44-123)
600-70421-1	VCP-MW-5	22	70	57	43	54	54
600-70421-1 MS	VCP-MW-5	37	87	75	53	69	77
600-70421-1 MSD	VCP-MW-5	32	85	70	45	64	73
600-70421-4	MW-28	22	75	44 X	34	47	55
600-70421-5	VCP-MW-3	22	76	44 X	38	45	43 X
600-70421-7	VCP-MW-2	16	72	52	37	48	59
LCS 600-102486/2-A	Lab Control Sample	39	72	62	50	54	63
MB 600-102486/1-A	Method Blank	32	71	64	22	55	49

Surrogate Legend

PHL = Phenol-d6
TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-70421-1	VCP-MW-5	92
600-70421-4	MW-28	91
600-70421-5	VCP-MW-3	95

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)								
Lab Sample ID	Client Sample ID	OTPH (70-130)								
600-70421-6	MW-20	92								
600-70421-7	VCP-MW-2	95								
LCS 600-102464/2-A	Lab Control Sample	95								
MB 600-102464/1-A	Method Blank	92								

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-102544/9
Matrix: Water
Analysis Batch: 102544

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/25/13 18:22	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:22	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/25/13 18:22	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/25/13 18:22	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/25/13 18:22	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/25/13 18:22	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/25/13 18:22	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/25/13 18:22	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/25/13 18:22	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/25/13 18:22	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/25/13 18:22	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/25/13 18:22	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/25/13 18:22	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/25/13 18:22	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/25/13 18:22	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/25/13 18:22	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:22	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/25/13 18:22	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/25/13 18:22	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/25/13 18:22	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/25/13 18:22	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/25/13 18:22	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/25/13 18:22	1
Methylene Chloride	0.001929	J	0.0100	0.00143	mg/L			03/25/13 18:22	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/25/13 18:22	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/25/13 18:22	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/25/13 18:22	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/25/13 18:22	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/25/13 18:22	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/25/13 18:22	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/25/13 18:22	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/25/13 18:22	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/25/13 18:22	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/25/13 18:22	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/25/13 18:22	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/25/13 18:22	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/25/13 18:22	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/25/13 18:22	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/25/13 18:22	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/25/13 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/25/13 18:22*	*1*
Dibromofluoromethane	*91*		*62 - 130*		*03/25/13 18:22*	*1*
4-Bromofluorobenzene	*106*		*67 - 139*		*03/25/13 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*50 - 134*		*03/25/13 18:22*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-102544/8
Matrix: Water
Analysis Batch: 102544

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.08745		mg/L		87	28 - 152
Benzene	0.0500	0.05655		mg/L		113	69 - 131
Chlorobromomethane	0.0500	0.04892		mg/L		98	60 - 141
Bromoform	0.0500	0.05281		mg/L		106	39 - 149
Bromomethane	0.0500	0.04674		mg/L		93	52 - 146
2-Butanone (MEK)	0.100	0.09380		mg/L		94	59 - 133
Carbon disulfide	0.0500	0.05061		mg/L		101	32 - 177
Carbon tetrachloride	0.0500	0.05782		mg/L		116	59 - 147
Dibromochloromethane	0.0500	0.05013		mg/L		100	58 - 132
Chlorobenzene	0.0500	0.06101		mg/L		122	60 - 136
Chloroethane	0.0500	0.04909		mg/L		98	56 - 144
Chloroform	0.0500	0.05885		mg/L		118	69 - 128
Chloromethane	0.0500	0.05127		mg/L		103	32 - 151
1,1-Dichloroethane	0.0500	0.05698		mg/L		114	66 - 126
1,2-Dichloroethane	0.0500	0.05793		mg/L		116	66 - 140
1,1-Dichloroethene	0.0500	0.05098		mg/L		102	59 - 145
cis-1,2-Dichloroethene	0.0500	0.04920		mg/L		98	69 - 129
trans-1,2-Dichloroethene	0.0500	0.04976		mg/L		100	70 - 132
1,2-Dichloropropane	0.0500	0.05738		mg/L		115	72 - 135
cis-1,3-Dichloropropene	0.0500	0.04952		mg/L		99	60 - 135
trans-1,3-Dichloropropene	0.0500	0.05892		mg/L		118	63 - 133
Ethylbenzene	0.0500	0.05756		mg/L		115	68 - 128
2-Hexanone	0.100	0.09831		mg/L		98	51 - 130
Methylene Chloride	0.0500	0.04754		mg/L		95	62 - 134
4-Methyl-2-pentanone (MIBK)	0.100	0.1091		mg/L		109	56 - 142
Styrene	0.0500	0.05981		mg/L		120	68 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.05189		mg/L		104	68 - 134
Tetrachloroethene	0.0500	0.05971		mg/L		119	70 - 150
Toluene	0.0500	0.05973		mg/L		119	67 - 130
1,1,1-Trichloroethane	0.0500	0.05609		mg/L		112	65 - 142
1,1,2-Trichloroethane	0.0500	0.05504		mg/L		110	68 - 130
Trichloroethene	0.0500	0.06065		mg/L		121	68 - 130
Vinyl acetate	0.0500	0.04230		mg/L		85	58 - 175
Vinyl chloride	0.0500	0.04783		mg/L		96	47 - 146
o-Xylene	0.0500	0.06185		mg/L		124	68 - 134
m-Xylene & p-Xylene	0.100	0.1190		mg/L		119	67 - 132
Xylenes, Total	0.150	0.1809		mg/L		121	68 - 132
Bromodichloromethane	0.0500	0.05371		mg/L		107	73 - 130
1,2-Dichloroethene, Total	0.100	0.09896		mg/L		99	65 - 127
Methyl tert-butyl ether	0.0500	0.05424		mg/L		108	63 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*107*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*100*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*91*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70421-1 MS
Matrix: Water
Analysis Batch: 102544

Client Sample ID: VCP-MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00227	U	0.100	0.09266		mg/L		93	28 - 152
Benzene	0.000560	U	0.0500	0.05347		mg/L		107	51 - 152
Chlorobromomethane	0.000810	U	0.0500	0.04794		mg/L		96	61 - 150
Bromoform	0.000770	U	0.0500	0.05356		mg/L		107	34 - 166
Bromomethane	0.00215	U	0.0500	0.04000		mg/L		80	52 - 146
2-Butanone (MEK)	0.00157	U	0.100	0.09004		mg/L		90	17 - 153
Carbon disulfide	0.00170	U	0.0500	0.05066		mg/L		101	11 - 174
Carbon tetrachloride	0.000920	U	0.0500	0.05382		mg/L		108	49 - 176
Dibromochloromethane	0.000920	U	0.0500	0.05188		mg/L		104	41 - 178
Chlorobenzene	0.000820	U	0.0500	0.05721		mg/L		114	74 - 148
Chloroethane	0.00173	U	0.0500	0.04677		mg/L		94	56 - 144
Chloroform	0.000820	U	0.0500	0.05596		mg/L		112	70 - 148
Chloromethane	0.000850	U	0.0500	0.04548		mg/L		91	32 - 151
1,1-Dichloroethane	0.000500	U	0.0500	0.05235		mg/L		105	55 - 150
1,2-Dichloroethane	0.00101	U	0.0500	0.05505		mg/L		110	64 - 158
1,1-Dichloroethene	0.000760	U	0.0500	0.05060		mg/L		101	46 - 168
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.04844		mg/L		97	48 - 145
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.04979		mg/L		100	40 - 164
1,2-Dichloropropane	0.00141	U	0.0500	0.05341		mg/L		107	47 - 147
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.04992		mg/L		100	63 - 144
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.05933		mg/L		119	72 - 150
Ethylbenzene	0.00129	U	0.0500	0.05334		mg/L		107	75 - 152
2-Hexanone	0.00142	U	0.100	0.1002		mg/L		100	38 - 136
Methylene Chloride	0.00143	U	0.0500	0.04411		mg/L		88	14 - 175
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1156		mg/L		116	35 - 152
Styrene	0.000560	U	0.0500	0.05242		mg/L		105	68 - 133
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05599		mg/L		112	10 - 179
Tetrachloroethene	0.00124	U	0.0500	0.05777		mg/L		116	38 - 220
Toluene	0.000550	U	0.0500	0.05524		mg/L		110	67 - 130
1,1,1-Trichloroethane	0.000980	U	0.0500	0.05387		mg/L		108	66 - 158
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05212		mg/L		104	75 - 136
Trichloroethene	0.00158	U	0.0500	0.05913		mg/L		118	45 - 189
Vinyl acetate	0.000600	U	0.0500	0.04170		mg/L		83	58 - 175
Vinyl chloride	0.000850	U	0.0500	0.04578		mg/L		92	59 - 138
o-Xylene	0.000930	U	0.0500	0.05909		mg/L		118	49 - 180
m-Xylene & p-Xylene	0.00126	U	0.100	0.1098		mg/L		110	67 - 132
Xylenes, Total	0.00198	U	0.150	0.1689		mg/L		113	10 - 226
Bromodichloromethane	0.000760	U	0.0500	0.04974		mg/L		99	72 - 153
1,2-Dichloroethene, Total	0.000840	U	0.100	0.09823		mg/L		98	45 - 153
Methyl tert-butyl ether	0.000440	U	0.0500	0.05293		mg/L		106	37 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*70 - 130*
Dibromofluoromethane	*96*		*62 - 130*
4-Bromofluorobenzene	*111*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*92*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70421-1 MSD
Matrix: Water
Analysis Batch: 102544

Client Sample ID: VCP-MW-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00227	U	0.100	0.08880		mg/L		89	28 - 152	4	25
Benzene	0.000560	U	0.0500	0.05905		mg/L		118	51 - 152	10	21
Chlorobromomethane	0.000810	U	0.0500	0.05797		mg/L		116	61 - 150	19	25
Bromoform	0.000770	U	0.0500	0.05854		mg/L		117	34 - 166	9	25
Bromomethane	0.00215	U	0.0500	0.04569		mg/L		91	52 - 146	13	25
2-Butanone (MEK)	0.00157	U	0.100	0.09774		mg/L		98	17 - 153	8	25
Carbon disulfide	0.00170	U	0.0500	0.05266		mg/L		105	11 - 174	4	25
Carbon tetrachloride	0.000920	U	0.0500	0.05818		mg/L		116	49 - 176	8	25
Dibromochloromethane	0.000920	U	0.0500	0.06058		mg/L		121	41 - 178	15	25
Chlorobenzene	0.000820	U	0.0500	0.06567		mg/L		131	74 - 148	14	21
Chloroethane	0.00173	U	0.0500	0.04738		mg/L		95	56 - 144	1	25
Chloroform	0.000820	U	0.0500	0.06527		mg/L		131	70 - 148	15	25
Chloromethane	0.000850	U	0.0500	0.05001		mg/L		100	32 - 151	9	25
1,1-Dichloroethane	0.000500	U	0.0500	0.06267		mg/L		125	55 - 150	18	25
1,2-Dichloroethane	0.00101	U	0.0500	0.06424		mg/L		128	64 - 158	15	25
1,1-Dichloroethene	0.000760	U	0.0500	0.05376		mg/L		108	46 - 168	6	22
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.05276		mg/L		106	48 - 145	9	25
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.05561		mg/L		111	40 - 164	11	25
1,2-Dichloropropane	0.00141	U	0.0500	0.06302		mg/L		126	47 - 147	17	25
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.05904		mg/L		118	63 - 144	17	25
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.06613		mg/L		132	72 - 150	11	25
Ethylbenzene	0.00129	U	0.0500	0.06068		mg/L		121	75 - 152	13	25
2-Hexanone	0.00142	U	0.100	0.1140		mg/L		114	38 - 136	13	25
Methylene Chloride	0.00143	U	0.0500	0.04943		mg/L		99	14 - 175	11	25
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1261		mg/L		126	35 - 152	9	25
Styrene	0.000560	U	0.0500	0.06779	N	mg/L		136	68 - 133	26	25
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05907		mg/L		118	10 - 179	5	25
Tetrachloroethene	0.00124	U	0.0500	0.06710		mg/L		134	38 - 220	15	25
Toluene	0.000550	U	0.0500	0.06205		mg/L		124	67 - 130	12	21
1,1,1-Trichloroethane	0.000980	U	0.0500	0.06074		mg/L		121	66 - 158	12	25
1,1,2-Trichloroethane	0.000530	U	0.0500	0.06157		mg/L		123	75 - 136	17	25
Trichloroethene	0.00158	U	0.0500	0.06902		mg/L		138	45 - 189	15	24
Vinyl acetate	0.000600	U	0.0500	0.04584		mg/L		92	58 - 175	9	25
Vinyl chloride	0.000850	U	0.0500	0.04598		mg/L		92	59 - 138	0	25
o-Xylene	0.000930	U	0.0500	0.06751		mg/L		135	49 - 180	13	25
m-Xylene & p-Xylene	0.00126	U	0.100	0.1289		mg/L		129	67 - 132	16	25
Xylenes, Total	0.00198	U	0.150	0.1964		mg/L		131	10 - 226	15	25
Bromodichloromethane	0.000760	U	0.0500	0.05782		mg/L		116	72 - 153	15	25
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1084		mg/L		108	45 - 153	10	25
Methyl tert-butyl ether	0.000440	U	0.0500	0.05848		mg/L		117	37 - 135	10	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*108*		*70 - 130*
Dibromofluoromethane	*95*		*62 - 130*
4-Bromofluorobenzene	*99*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*94*		*50 - 134*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-102486/1-A
Matrix: Water
Analysis Batch: 102587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102486

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
Acenaphthylene	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
Anthracene	0.440	U	1.50	0.440	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzidine	17.9	U	50.0	17.9	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzo[a]anthracene	0.250	U	2.00	0.250	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzo[b]fluoranthene	0.180	U	2.00	0.180	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzo[k]fluoranthene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzo[g,h,i]perylene	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzo[a]pyrene	0.130	U	1.50	0.130	ug/L		03/25/13 14:00	03/26/13 12:59	1
Bis(2-chloroethoxy)methane	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 12:59	1
Bis(2-chloroethyl)ether	0.180	U	1.50	0.180	ug/L		03/25/13 14:00	03/26/13 12:59	1
Bis(2-ethylhexyl) phthalate	0.590	U	2.50	0.590	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Bromophenyl phenyl ether	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 12:59	1
Butyl benzyl phthalate	0.850	U	2.50	0.850	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Chloroaniline	0.110	U	1.00	0.110	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Chloronaphthalene	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Chlorophenyl phenyl ether	0.230	U	1.50	0.230	ug/L		03/25/13 14:00	03/26/13 12:59	1
Carbazole	0.350	U	5.00	0.350	ug/L		03/25/13 14:00	03/26/13 12:59	1
Chrysene	0.240	U	1.50	0.240	ug/L		03/25/13 14:00	03/26/13 12:59	1
Di-n-butyl phthalate	1.87	U	5.00	1.87	ug/L		03/25/13 14:00	03/26/13 12:59	1
Dibenz(a,h)anthracene	0.290	U	2.50	0.290	ug/L		03/25/13 14:00	03/26/13 12:59	1
Dibenzofuran	0.160	U	1.50	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
1,2-Dichlorobenzene	0.210	U	1.75	0.210	ug/L		03/25/13 14:00	03/26/13 12:59	1
1,3-Dichlorobenzene	0.100	U	1.50	0.100	ug/L		03/25/13 14:00	03/26/13 12:59	1
1,4-Dichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
3,3'-Dichlorobenzidine	0.320	U	5.00	0.320	ug/L		03/25/13 14:00	03/26/13 12:59	1
Diethyl phthalate	4.19	U	5.00	4.19	ug/L		03/25/13 14:00	03/26/13 12:59	1
Dimethyl phthalate	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4-Dinitrotoluene	0.320	U	1.50	0.320	ug/L		03/25/13 14:00	03/26/13 12:59	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
Fluoranthene	0.310	U	2.50	0.310	ug/L		03/25/13 14:00	03/26/13 12:59	1
Fluorene	0.120	U	1.50	0.120	ug/L		03/25/13 14:00	03/26/13 12:59	1
Hexachlorobenzene	0.250	U	1.50	0.250	ug/L		03/25/13 14:00	03/26/13 12:59	1
Hexachlorocyclopentadiene	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 12:59	1
Hexachloroethane	0.170	U	2.00	0.170	ug/L		03/25/13 14:00	03/26/13 12:59	1
Hexachlorobutadiene	0.190	U	2.00	0.190	ug/L		03/25/13 14:00	03/26/13 12:59	1
Indeno[1,2,3-cd]pyrene	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 12:59	1
Isophorone	0.150	U	1.50	0.150	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Methylnaphthalene	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 12:59	1
Naphthalene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Nitroaniline	0.350	U	2.50	0.350	ug/L		03/25/13 14:00	03/26/13 12:59	1
3-Nitroaniline	0.130	U	2.50	0.130	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Nitroaniline	0.230	U	2.50	0.230	ug/L		03/25/13 14:00	03/26/13 12:59	1
Nitrobenzene	0.200	U	1.50	0.200	ug/L		03/25/13 14:00	03/26/13 12:59	1
N-Nitrosodimethylamine	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
N-Nitrosodiphenylamine	0.330	U	1.50	0.330	ug/L		03/25/13 14:00	03/26/13 12:59	1
N-Nitrosodi-n-propylamine	0.240	U	2.50	0.240	ug/L		03/25/13 14:00	03/26/13 12:59	1
Phenanthrene	0.290	U	1.50	0.290	ug/L		03/25/13 14:00	03/26/13 12:59	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-102486/1-A
Matrix: Water
Analysis Batch: 102587

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102486

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 12:59	1
1,2,4-Trichlorobenzene	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
Benzyl alcohol	0.510	U	2.00	0.510	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Chloro-3-methylphenol	0.250	U	1.00	0.250	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Chlorophenol	0.220	U	2.00	0.220	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Methylphenol	0.190	U	1.50	0.190	ug/L		03/25/13 14:00	03/26/13 12:59	1
3 & 4 Methylphenol	0.160	U	1.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4-Dichlorophenol	0.260	U	2.50	0.260	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4-Dimethylphenol	0.180	U	2.50	0.180	ug/L		03/25/13 14:00	03/26/13 12:59	1
4,6-Dinitro-2-methylphenol	0.160	U	2.00	0.160	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4-Dinitrophenol	0.400	U	5.00	0.400	ug/L		03/25/13 14:00	03/26/13 12:59	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/25/13 14:00	03/26/13 12:59	1
4-Nitrophenol	0.330	U	2.50	0.330	ug/L		03/25/13 14:00	03/26/13 12:59	1
Pentachlorophenol	0.960	U	2.50	0.960	ug/L		03/25/13 14:00	03/26/13 12:59	1
Phenol	0.140	U	1.50	0.140	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4,5-Trichlorophenol	0.290	U	2.00	0.290	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,4,6-Trichlorophenol	0.330	U	2.00	0.330	ug/L		03/25/13 14:00	03/26/13 12:59	1
2,6-Dinitrotoluene	0.290	U	1.00	0.290	ug/L		03/25/13 14:00	03/26/13 12:59	1
bis (2-Chloroisopropyl) ether	0.180	U	1.00	0.180	ug/L		03/25/13 14:00	03/26/13 12:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*32*		*12 - 128*	*03/25/13 14:00*	*03/26/13 12:59*	*1*
Terphenyl-d14	*71*		*33 - 141*	*03/25/13 14:00*	*03/26/13 12:59*	*1*
Nitrobenzene-d5	*64*		*47 - 120*	*03/25/13 14:00*	*03/26/13 12:59*	*1*
2-Fluorophenol	*22*		*18 - 120*	*03/25/13 14:00*	*03/26/13 12:59*	*1*
2-Fluorobiphenyl	*55*		*43 - 120*	*03/25/13 14:00*	*03/26/13 12:59*	*1*
2,4,6-Tribromophenol	*49*		*44 - 123*	*03/25/13 14:00*	*03/26/13 12:59*	*1*

Lab Sample ID: LCS 600-102486/2-A
Matrix: Water
Analysis Batch: 102587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	8.00	4.766		ug/L		60	47 - 145
Acenaphthylene	8.00	5.000		ug/L		63	35 - 135
Anthracene	8.00	6.225		ug/L		78	53 - 124
Benzidine	160	1414	*	ug/L		884	10 - 120
Benzo[a]anthracene	8.00	5.865		ug/L		73	53 - 122
Benzo[b]fluoranthene	8.00	6.335		ug/L		79	53 - 131
Benzo[k]fluoranthene	8.00	6.414		ug/L		80	46 - 130
Benzo[g,h,i]perylene	8.00	6.075		ug/L		76	46 - 133
Benzo[a]pyrene	8.00	6.336		ug/L		79	50 - 124
Bis(2-chloroethoxy)methane	8.00	6.272		ug/L		78	42 - 119
Bis(2-chloroethyl)ether	8.00	5.423		ug/L		68	40 - 112
Bis(2-ethylhexyl) phthalate	8.00	6.092		ug/L		76	47 - 132
4-Bromophenyl phenyl ether	8.00	5.593		ug/L		70	46 - 129
Butyl benzyl phthalate	8.00	6.203		ug/L		78	50 - 126
4-Chloroaniline	8.00	18.49	*	ug/L		231	19 - 129

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102486/2-A
Matrix: Water
Analysis Batch: 102587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102486

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	8.00	4.225		ug/L		53	43 - 120
4-Chlorophenyl phenyl ether	8.00	4.893		ug/L		61	48 - 125
Carbazole	8.00	9.710		ug/L		121	42 - 169
Chrysene	8.00	5.770		ug/L		72	49 - 124
Di-n-butyl phthalate	8.00	6.343		ug/L		79	54 - 138
Dibenz(a,h)anthracene	8.00	6.529		ug/L		82	42 - 134
Dibenzofuran	8.00	4.740		ug/L		59	46 - 123
1,2-Dichlorobenzene	8.00	4.248		ug/L		53	40 - 121
1,3-Dichlorobenzene	8.00	4.064		ug/L		51	39 - 122
1,4-Dichlorobenzene	8.00	4.030		ug/L		50	45 - 124
3,3'-Dichlorobenzidine	8.00	0.9753	J *	ug/L		12	38 - 168
Diethyl phthalate	8.00	7.564		ug/L		95	51 - 123
Dimethyl phthalate	8.00	6.610		ug/L		83	49 - 121
2,4-Dinitrotoluene	8.00	6.114		ug/L		76	43 - 128
Di-n-octyl phthalate	8.00	6.477		ug/L		81	27 - 157
Fluoranthene	8.00	6.539		ug/L		82	53 - 127
Fluorene	8.00	5.035		ug/L		63	48 - 127
Hexachlorobenzene	8.00	5.786		ug/L		72	46 - 129
Hexachlorocyclopentadiene	8.00	3.670		ug/L		46	21 - 126
Hexachloroethane	8.00	3.968		ug/L		50	43 - 118
Hexachlorobutadiene	8.00	4.192		ug/L		52	32 - 143
Indeno[1,2,3-cd]pyrene	8.00	6.311		ug/L		79	45 - 124
Isophorone	8.00	5.674		ug/L		71	42 - 116
2-Methylnaphthalene	8.00	3.769		ug/L		47	40 - 121
Naphthalene	8.00	4.720		ug/L		59	39 - 120
2-Nitroaniline	8.00	6.453		ug/L		81	42 - 130
3-Nitroaniline	8.00	3.688	*	ug/L		46	47 - 138
4-Nitroaniline	8.00	6.464		ug/L		81	32 - 139
Nitrobenzene	8.00	5.502		ug/L		69	42 - 119
N-Nitrosodimethylamine	8.00	5.364		ug/L		67	26 - 104
N-Nitrosodiphenylamine	8.00	6.751		ug/L		84	43 - 107
N-Nitrosodi-n-propylamine	8.00	5.947		ug/L		74	39 - 124
Phenanthrene	8.00	5.624		ug/L		70	52 - 121
Pyrene	8.00	6.255		ug/L		78	49 - 121
1,2,4-Trichlorobenzene	8.00	4.232		ug/L		53	38 - 118
Benzyl alcohol	8.00	5.263		ug/L		66	39 - 115
4-Chloro-3-methylphenol	8.00	5.810		ug/L		73	44 - 131
2-Chlorophenol	8.00	5.487		ug/L		69	23 - 134
2-Methylphenol	8.00	5.134		ug/L		64	34 - 109
3 & 4 Methylphenol	8.00	4.806		ug/L		60	27 - 113
2,4-Dichlorophenol	8.00	5.137		ug/L		64	39 - 118
2,4-Dimethylphenol	8.00	5.709		ug/L		71	36 - 109
4,6-Dinitro-2-methylphenol	8.00	5.717		ug/L		71	24 - 122
2,4-Dinitrophenol	8.00	2.730	J	ug/L		34	23 - 130
2-Nitrophenol	8.00	5.671		ug/L		71	40 - 121
4-Nitrophenol	8.00	3.304		ug/L		41	14 - 132
Pentachlorophenol	8.00	4.574		ug/L		57	9 - 147
Phenol	8.00	3.779		ug/L		47	11 - 112

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102486/2-A
Matrix: Water
Analysis Batch: 102587

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102486

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,4,5-Trichlorophenol			8.00	5.783		ug/L		72	38 - 145		
2,4,6-Trichlorophenol			8.00	4.662		ug/L		58	39 - 123		
2,6-Dinitrotoluene			8.00	5.382		ug/L		67	45 - 122		
bis (2-Chloroisopropyl) ether			8.00	5.703		ug/L		71	41 - 111		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*39*		*12 - 128*
Terphenyl-d14	*72*		*33 - 141*
Nitrobenzene-d5	*62*		*47 - 120*
2-Fluorophenol	*50*		*18 - 120*
2-Fluorobiphenyl	*54*		*43 - 120*
2,4,6-Tribromophenol	*63*		*44 - 123*

Lab Sample ID: 600-70421-1 MS
Matrix: Water
Analysis Batch: 102587

Client Sample ID: VCP-MW-5
Prep Type: Total/NA
Prep Batch: 102486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene	0.160	U	8.00	5.610		ug/L		70	46 - 118		
Acenaphthylene	0.160	U	8.00	5.483		ug/L		69	38 - 115		
Anthracene	0.440	U	8.00	6.283		ug/L		79	35 - 116		
Benzidine	17.9	U *	160	265.3	N	ug/L		166	0 - 150		
Benzo[a]anthracene	0.250	U	8.00	5.792		ug/L		72	24 - 126		
Benzo[b]fluoranthene	0.180	U	8.00	6.314		ug/L		79	31 - 119		
Benzo[k]fluoranthene	0.160	U	8.00	5.713		ug/L		71	29 - 117		
Benzo[g,h,i]perylene	0.350	U	8.00	6.111		ug/L		76	10 - 123		
Benzo[a]pyrene	0.130	U	8.00	6.286		ug/L		79	60 - 140		
Bis(2-chloroethoxy)methane	0.190	U	8.00	6.163		ug/L		77	42 - 101		
Bis(2-chloroethyl)ether	0.180	U	8.00	4.943		ug/L		62	20 - 107		
Bis(2-ethylhexyl) phthalate	0.590	U	8.00	6.141		ug/L		77	14 - 123		
4-Bromophenyl phenyl ether	0.250	U	8.00	5.865		ug/L		73	50 - 113		
Butyl benzyl phthalate	0.850	U	8.00	6.328		ug/L		79	36 - 144		
4-Chloroaniline	0.110	U *	8.00	17.90	N	ug/L		224	49 - 151		
2-Chloronaphthalene	0.190	U	8.00	4.912		ug/L		61	42 - 100		
4-Chlorophenyl phenyl ether	0.230	U	8.00	5.458		ug/L		68	41 - 116		
Carbazole	0.350	U	8.00	9.878		ug/L		123	30 - 130		
Chrysene	0.240	U	8.00	5.969		ug/L		75	23 - 128		
Di-n-butyl phthalate	1.87	U	8.00	6.345		ug/L		79	31 - 137		
Dibenz(a,h)anthracene	0.290	U	8.00	6.420		ug/L		80	62 - 138		
Dibenzofuran	0.160	U	8.00	5.258		ug/L		66	46 - 110		
1,2-Dichlorobenzene	0.210	U	8.00	4.498		ug/L		56	42 - 96		
1,3-Dichlorobenzene	0.100	U	8.00	4.280		ug/L		54	40 - 95		
1,4-Dichlorobenzene	0.160	U	8.00	4.524		ug/L		57	36 - 99		
3,3'-Dichlorobenzidine	0.320	U *	8.00	0.9219	J N	ug/L		12	33 - 167		
Diethyl phthalate	4.19	U	8.00	5.910		ug/L		74	60 - 140		
Dimethyl phthalate	0.180	U	8.00	6.660		ug/L		83	51 - 120		
2,4-Dinitrotoluene	0.320	U	8.00	5.830		ug/L		73	41 - 125		
Di-n-octyl phthalate	0.160	U	8.00	6.532		ug/L		82	30 - 170		

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70421-1 MS
Matrix: Water
Analysis Batch: 102587

Client Sample ID: VCP-MW-5
Prep Type: Total/NA
Prep Batch: 102486

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.310	U	8.00	6.551		ug/L		82	14 - 145
Fluorene	0.120	U	8.00	5.111		ug/L		64	44 - 112
Hexachlorobenzene	0.250	U	8.00	6.112		ug/L		76	29 - 126
Hexachlorocyclopentadiene	0.150	U	8.00	3.933		ug/L		49	10 - 109
Hexachloroethane	0.170	U	8.00	4.188		ug/L		52	35 - 101
Hexachlorobutadiene	0.190	U	8.00	4.280		ug/L		54	36 - 101
Indeno[1,2,3-cd]pyrene	0.290	U	8.00	6.472		ug/L		81	60 - 140
Isophorone	0.150	U	8.00	5.843		ug/L		73	45 - 109
2-Methylnaphthalene	0.140	U	8.00	4.265		ug/L		53	36 - 111
Naphthalene	0.160	U	8.00	5.359		ug/L		67	34 - 99
2-Nitroaniline	0.350	U	8.00	6.275		ug/L		78	30 - 130
3-Nitroaniline	0.130	U *	8.00	3.504		ug/L		44	30 - 130
4-Nitroaniline	0.230	U	8.00	5.218		ug/L		65	46 - 154
Nitrobenzene	0.200	U	8.00	5.306		ug/L		66	37 - 104
N-Nitrosodimethylamine	0.160	U	8.00	5.928		ug/L		74	30 - 130
N-Nitrosodiphenylamine	0.330	U	8.00	7.398		ug/L		92	58 - 142
N-Nitrosodi-n-propylamine	0.240	U	8.00	6.353		ug/L		79	44 - 110
Phenanthrene	0.290	U	8.00	5.836		ug/L		73	41 - 117
Pyrene	0.330	U	8.00	6.574		ug/L		82	28 - 133
1,2,4-Trichlorobenzene	0.160	U	8.00	4.564		ug/L		57	39 - 98
Benzyl alcohol	0.510	U	8.00	5.371		ug/L		67	17 - 111
4-Chloro-3-methylphenol	0.250	U	8.00	6.128		ug/L		77	67 - 133
2-Chlorophenol	0.220	U	8.00	5.713		ug/L		71	36 - 96
2-Methylphenol	0.190	U	8.00	4.901		ug/L		61	22 - 94
3 & 4 Methylphenol	0.160	U	8.00	4.727		ug/L		59	12 - 111
2,4-Dichlorophenol	0.260	U	8.00	5.302		ug/L		66	40 - 106
2,4-Dimethylphenol	0.180	U	8.00	5.574		ug/L		70	25 - 85
4,6-Dinitro-2-methylphenol	0.160	U	8.00	5.347		ug/L		67	28 - 128
2,4-Dinitrophenol	0.400	U	8.00	3.741	J	ug/L		47	40 - 140
2-Nitrophenol	0.220	U	8.00	5.699		ug/L		71	48 - 100
4-Nitrophenol	0.330	U	8.00	2.630		ug/L		33	10 - 100
Pentachlorophenol	0.960	U	8.00	5.633		ug/L		70	45 - 155
Phenol	0.140	U	8.00	2.827		ug/L		35	10 - 62
2,4,5-Trichlorophenol	0.290	U	8.00	5.823		ug/L		73	45 - 116
2,4,6-Trichlorophenol	0.330	U	8.00	5.088		ug/L		64	62 - 107
2,6-Dinitrotoluene	0.290	U	8.00	5.425		ug/L		68	47 - 118
bis (2-Chloroisopropyl) ether	0.180	U	8.00	6.193		ug/L		77	41 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*37*		*12 - 128*
Terphenyl-d14	*87*		*33 - 141*
Nitrobenzene-d5	*75*		*47 - 120*
2-Fluorophenol	*53*		*18 - 120*
2-Fluorobiphenyl	*69*		*43 - 120*
2,4,6-Tribromophenol	*77*		*44 - 123*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70421-1 MSD
Matrix: Water
Analysis Batch: 102587

Client Sample ID: VCP-MW-5
Prep Type: Total/NA
Prep Batch: 102486

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.160	U	8.00	3.343	N	ug/L		42	46 - 118	51	20
Acenaphthylene	0.160	U	8.00	3.913	N	ug/L		49	38 - 115	33	20
Anthracene	0.440	U	8.00	5.671		ug/L		71	35 - 116	10	20
Benzidine	17.9	U *	160	544.3	N	ug/L		340	0 - 150	69	40
Benzo[a]anthracene	0.250	U	8.00	4.932		ug/L		62	24 - 126	16	20
Benzo[b]fluoranthene	0.180	U	8.00	5.685		ug/L		71	31 - 119	10	20
Benzo[k]fluoranthene	0.160	U	8.00	5.532		ug/L		69	29 - 117	3	20
Benzo[g,h,i]perylene	0.350	U	8.00	5.648		ug/L		71	10 - 123	8	20
Benzo[a]pyrene	0.130	U	8.00	5.452		ug/L		68	60 - 140	14	20
Bis(2-chloroethoxy)methane	0.190	U	8.00	5.395		ug/L		67	42 - 101	13	20
Bis(2-chloroethyl)ether	0.180	U	8.00	4.621		ug/L		58	20 - 107	7	20
Bis(2-ethylhexyl) phthalate	0.590	U	8.00	5.541		ug/L		69	14 - 123	10	20
4-Bromophenyl phenyl ether	0.250	U	8.00	5.086		ug/L		64	50 - 113	14	20
Butyl benzyl phthalate	0.850	U	8.00	5.429		ug/L		68	36 - 144	15	20
4-Chloroaniline	0.110	U *	8.00	16.20	N	ug/L		203	49 - 151	10	20
2-Chloronaphthalene	0.190	U	8.00	2.822	N	ug/L		35	42 - 100	54	20
4-Chlorophenyl phenyl ether	0.230	U	8.00	3.608	N	ug/L		45	41 - 116	41	20
Carbazole	0.350	U	8.00	9.371		ug/L		117	30 - 130	5	20
Chrysene	0.240	U	8.00	5.903		ug/L		74	23 - 128	1	20
Di-n-butyl phthalate	1.87	U	8.00	5.865		ug/L		73	31 - 137	8	20
Dibenz(a,h)anthracene	0.290	U	8.00	6.002		ug/L		75	62 - 138	7	20
Dibenzofuran	0.160	U	8.00	3.665	N	ug/L		46	46 - 110	36	20
1,2-Dichlorobenzene	0.210	U	8.00	3.085	N	ug/L		39	42 - 96	37	20
1,3-Dichlorobenzene	0.100	U	8.00	2.745	N	ug/L		34	40 - 95	44	20
1,4-Dichlorobenzene	0.160	U	8.00	2.745	N	ug/L		34	36 - 99	49	20
3,3'-Dichlorobenzidine	0.320	U *	8.00	0.8731	J N	ug/L		11	33 - 167	5	20
Diethyl phthalate	4.19	U	8.00	5.703		ug/L		71	60 - 140	4	20
Dimethyl phthalate	0.180	U	8.00	6.209		ug/L		78	51 - 120	7	20
2,4-Dinitrotoluene	0.320	U	8.00	5.774		ug/L		72	41 - 125	1	20
Di-n-octyl phthalate	0.160	U	8.00	5.889		ug/L		74	30 - 170	10	20
Fluoranthene	0.310	U	8.00	6.059		ug/L		76	14 - 145	8	20
Fluorene	0.120	U	8.00	3.858	N	ug/L		48	44 - 112	28	20
Hexachlorobenzene	0.250	U	8.00	5.275		ug/L		66	29 - 126	15	20
Hexachlorocyclopentadiene	0.150	U	8.00	1.441	J N	ug/L		18	10 - 109	93	20
Hexachloroethane	0.170	U	8.00	2.072	N	ug/L		26	35 - 101	68	20
Hexachlorobutadiene	0.190	U	8.00	1.967	J N	ug/L		25	36 - 101	74	20
Indeno[1,2,3-cd]pyrene	0.290	U	8.00	6.005		ug/L		75	60 - 140	7	20
Isophorone	0.150	U	8.00	5.206		ug/L		65	45 - 109	12	20
2-Methylnaphthalene	0.140	U	8.00	2.877	N	ug/L		36	36 - 111	39	20
Naphthalene	0.160	U	8.00	3.603	N	ug/L		45	34 - 99	39	20
2-Nitroaniline	0.350	U	8.00	6.263		ug/L		78	30 - 130	0	20
3-Nitroaniline	0.130	U *	8.00	3.416		ug/L		43	30 - 130	3	20
4-Nitroaniline	0.230	U	8.00	4.935		ug/L		62	46 - 154	6	20
Nitrobenzene	0.200	U	8.00	5.038		ug/L		63	37 - 104	5	20
N-Nitrosodimethylamine	0.160	U	8.00	4.623	N	ug/L		58	30 - 130	25	20
N-Nitrosodiphenylamine	0.330	U	8.00	6.347		ug/L		79	58 - 142	15	20
N-Nitrosodi-n-propylamine	0.240	U	8.00	5.073	N	ug/L		63	44 - 110	22	20
Phenanthrene	0.290	U	8.00	5.168		ug/L		65	41 - 117	12	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70421-1 MSD — **Client Sample ID: VCP-MW-5**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102587 — **Prep Batch: 102486**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.330	U	8.00	5.861		ug/L		73	28 - 133	11	20
1,2,4-Trichlorobenzene	0.160	U	8.00	2.485	N	ug/L		31	39 - 98	59	20
Benzyl alcohol	0.510	U	8.00	4.627		ug/L		58	17 - 111	15	20
4-Chloro-3-methylphenol	0.250	U	8.00	5.168	N	ug/L		65	67 - 133	17	20
2-Chlorophenol	0.220	U	8.00	4.755		ug/L		59	36 - 96	18	20
2-Methylphenol	0.190	U	8.00	4.342		ug/L		54	22 - 94	12	20
3 & 4 Methylphenol	0.160	U	8.00	4.164		ug/L		52	12 - 111	13	20
2,4-Dichlorophenol	0.260	U	8.00	4.731		ug/L		59	40 - 106	11	20
2,4-Dimethylphenol	0.180	U	8.00	5.106		ug/L		64	25 - 85	9	20
4,6-Dinitro-2-methylphenol	0.160	U	8.00	4.952		ug/L		62	28 - 128	8	20
2,4-Dinitrophenol	0.400	U	8.00	2.985	J N	ug/L		37	40 - 140	22	20
2-Nitrophenol	0.220	U	8.00	4.814		ug/L		60	48 - 100	17	20
4-Nitrophenol	0.330	U	8.00	2.364	J	ug/L		30	10 - 100	11	20
Pentachlorophenol	0.960	U	8.00	4.052	N	ug/L		51	45 - 155	33	20
Phenol	0.140	U	8.00	2.587		ug/L		32	10 - 62	9	20
2,4,5-Trichlorophenol	0.290	U	8.00	5.550		ug/L		69	45 - 116	5	20
2,4,6-Trichlorophenol	0.330	U	8.00	4.811	N	ug/L		60	62 - 107	6	20
2,6-Dinitrotoluene	0.290	U	8.00	5.956		ug/L		74	47 - 118	9	20
bis (2-Chloroisopropyl) ether	0.180	U	8.00	4.767	N	ug/L		60	41 - 111	26	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*32*		*12 - 128*
Terphenyl-d14	*85*		*33 - 141*
Nitrobenzene-d5	*70*		*47 - 120*
2-Fluorophenol	*45*		*18 - 120*
2-Fluorobiphenyl	*64*		*43 - 120*
2,4,6-Tribromophenol	*73*		*44 - 123*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-102464/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102500 — **Prep Batch: 102464**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.830	U	5.00	0.830	mg/L		03/25/13 12:03	03/25/13 17:13	1
>C12-C28	0.960	U	5.00	0.960	mg/L		03/25/13 12:03	03/25/13 17:13	1
>C28-C35	0.960	U	5.00	0.960	mg/L		03/25/13 12:03	03/25/13 17:13	1
C6-C35	1.56	U	5.00	1.56	mg/L		03/25/13 12:03	03/25/13 17:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*70 - 130*	*03/25/13 12:03*	*03/25/13 17:13*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 600-102464/2-A
Matrix: Water
Analysis Batch: 102500

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102464

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			33.3	30.48		mg/L		91	75 - 125		
>C12-C28			33.3	32.61		mg/L		98	75 - 125		
C6-C35			66.7	63.09		mg/L		95	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*95*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102708/1-A
Matrix: Water
Analysis Batch: 102936

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102708

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/27/13 17:09	04/01/13 13:02	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/27/13 17:09	04/01/13 13:02	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/27/13 17:09	04/01/13 13:02	1
Ba	0.00220	U	0.0200	0.00220	mg/L		03/27/13 17:09	04/01/13 13:02	1
As	0.00328	U	0.0100	0.00328	mg/L		03/27/13 17:09	04/01/13 13:02	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/27/13 17:09	04/01/13 13:02	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/27/13 17:09	04/01/13 13:02	1

Lab Sample ID: LCS 600-102708/2-A
Matrix: Water
Analysis Batch: 102936

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102708

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pb			1.00	0.9781		mg/L		98	80 - 120		
Cr			1.00	0.9844		mg/L		98	80 - 120		
Cd			0.500	0.4974		mg/L		99	80 - 120		
Ba			1.00	0.9900		mg/L		99	80 - 120		
As			1.00	0.9768		mg/L		98	80 - 120		
Ag			0.500	0.4814		mg/L		96	80 - 120		
Se			1.00	1.010		mg/L		101	80 - 120		

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-102620/7-A
Matrix: Water
Analysis Batch: 102653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102620

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:29	1

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 600-102620/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102653 — **Prep Batch: 102620**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.00	2.943		ug/L		98	70 - 130

Lab Sample ID: 600-70421-4 MS — **Client Sample ID: MW-28**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102653 — **Prep Batch: 102620**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0820	U	3.00	2.901		ug/L		97	75 - 125

Lab Sample ID: 600-70421-4 DU — **Client Sample ID: MW-28**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102653 — **Prep Batch: 102620**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0820	U	0.0820	U	ug/L		NC	20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	0.00500	0.000980	mg/L	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000800	mg/L	8260B
1,1,2-Trichloroethane	0.00500	0.000530	mg/L	8260B
1,1-Dichloroethane	0.00500	0.000500	mg/L	8260B
1,1-Dichloroethene	0.00500	0.000760	mg/L	8260B
1,2-Dichloroethane	0.00500	0.00101	mg/L	8260B
1,2-Dichloroethene, Total	0.0100	0.000840	mg/L	8260B
1,2-Dichloropropane	0.00500	0.00141	mg/L	8260B
2-Butanone (MEK)	0.0100	0.00157	mg/L	8260B
2-Hexanone	0.0100	0.00142	mg/L	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00111	mg/L	8260B
Acetone	0.0100	0.00227	mg/L	8260B
Benzene	0.00500	0.000560	mg/L	8260B
Bromodichloromethane	0.00500	0.000760	mg/L	8260B
Bromoform	0.00500	0.000770	mg/L	8260B
Bromomethane	0.0100	0.00215	mg/L	8260B
Carbon disulfide	0.00500	0.00170	mg/L	8260B
Carbon tetrachloride	0.00500	0.000920	mg/L	8260B
Chlorobenzene	0.00500	0.000820	mg/L	8260B
Chlorobromomethane	0.00500	0.000810	mg/L	8260B
Chloroethane	0.0100	0.00173	mg/L	8260B
Chloroform	0.00500	0.000820	mg/L	8260B
Chloromethane	0.0100	0.000850	mg/L	8260B
cis-1,2-Dichloroethene	0.00500	0.000560	mg/L	8260B
cis-1,3-Dichloropropene	0.00500	0.000970	mg/L	8260B
Dibromochloromethane	0.00500	0.000920	mg/L	8260B
Ethylbenzene	0.00500	0.00129	mg/L	8260B
Methyl tert-butyl ether	0.00500	0.000440	mg/L	8260B
Methylene Chloride	0.0100	0.00143	mg/L	8260B
m-Xylene & p-Xylene	0.0100	0.00126	mg/L	8260B
o-Xylene	0.00500	0.000930	mg/L	8260B
Styrene	0.00500	0.000560	mg/L	8260B
Tetrachloroethene	0.00500	0.00124	mg/L	8260B
Toluene	0.00500	0.000550	mg/L	8260B
trans-1,2-Dichloroethene	0.00500	0.000880	mg/L	8260B
trans-1,3-Dichloropropene	0.00500	0.000590	mg/L	8260B
Trichloroethene	0.00500	0.00158	mg/L	8260B
Vinyl acetate	0.0100	0.000600	mg/L	8260B
Vinyl chloride	0.00500	0.000850	mg/L	8260B
Xylenes, Total	0.00500	0.00198	mg/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.160	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.210	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.100	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.160	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.290	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.330	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.260	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.180	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
2,4-Dinitrophenol	5.00	0.400	ug/L	8270C LL
2,4-Dinitrotoluene	1.50	0.320	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.290	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.190	ug/L	8270C LL
2-Chlorophenol	2.00	0.220	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.140	ug/L	8270C LL
2-Methylphenol	1.50	0.190	ug/L	8270C LL
2-Nitroaniline	2.50	0.350	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.160	ug/L	8270C LL
3,3'-Dichlorobenzidine	5.00	0.320	ug/L	8270C LL
3-Nitroaniline	2.50	0.130	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.00	0.160	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.250	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.250	ug/L	8270C LL
4-Chloroaniline	1.00	0.110	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.230	ug/L	8270C LL
4-Nitroaniline	2.50	0.230	ug/L	8270C LL
4-Nitrophenol	2.50	0.330	ug/L	8270C LL
Acenaphthene	1.00	0.160	ug/L	8270C LL
Acenaphthylene	1.00	0.160	ug/L	8270C LL
Anthracene	1.50	0.440	ug/L	8270C LL
Benzidine	50.0	17.9	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.250	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.130	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.180	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.350	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.160	ug/L	8270C LL
Benzyl alcohol	2.00	0.510	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.00	0.180	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.190	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.180	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.590	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.850	ug/L	8270C LL
Carbazole	5.00	0.350	ug/L	8270C LL
Chrysene	1.50	0.240	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.290	ug/L	8270C LL
Dibenzofuran	1.50	0.160	ug/L	8270C LL
Diethyl phthalate	5.00	4.19	ug/L	8270C LL
Dimethyl phthalate	2.50	0.180	ug/L	8270C LL
Di-n-butyl phthalate	5.00	1.87	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.310	ug/L	8270C LL
Fluorene	1.50	0.120	ug/L	8270C LL
Hexachlorobenzene	1.50	0.250	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.190	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.150	ug/L	8270C LL
Hexachloroethane	2.00	0.170	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.290	ug/L	8270C LL
Isophorone	1.50	0.150	ug/L	8270C LL
Naphthalene	2.00	0.160	ug/L	8270C LL
Nitrobenzene	1.50	0.200	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
N-Nitrosodimethylamine	2.00	0.160	ug/L	8270C LL
N-Nitrosodi-n-propylamine	2.50	0.240	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.330	ug/L	8270C LL
Pentachlorophenol	2.50	0.960	ug/L	8270C LL
Phenanthrene	1.50	0.290	ug/L	8270C LL
Phenol	1.50	0.140	ug/L	8270C LL
Pyrene	2.00	0.330	ug/L	8270C LL

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	5.00	0.960	mg/L	TX 1005
>C28-C35	5.00	0.960	mg/L	TX 1005
C6-C12	5.00	0.830	mg/L	TX 1005
C6-C35	5.00	1.56	mg/L	TX 1005

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Ag	0.0100	0.00125	mg/L	6010B
As	0.0100	0.00328	mg/L	6010B
Ba	0.0200	0.00220	mg/L	6010B
Cd	0.00500	0.000350	mg/L	6010B
Cr	0.0100	0.00155	mg/L	6010B
Pb	0.0100	0.00290	mg/L	6010B
Se	0.0400	0.00417	mg/L	6010B

Method: 7470A - Mercury (CVAA)

Analyte	MQL	MDL	Units	Method
Mercury	0.200	0.0820	ug/L	7470A

GC/MS VOA

Analysis Batch: 102544

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	8260B	
600-70421-1 MS	VCP-MW-5	Total/NA	Water	8260B	
600-70421-1 MSD	VCP-MW-5	Total/NA	Water	8260B	
600-70421-2	Trip Blank	Total/NA	Water	8260B	
600-70421-3	Equipment Blank 1	Total/NA	Water	8260B	
600-70421-4	MW-28	Total/NA	Water	8260B	
600-70421-5	VCP-MW-3	Total/NA	Water	8260B	
600-70421-6	MW-20	Total/NA	Water	8260B	
600-70421-7	VCP-MW-2	Total/NA	Water	8260B	
LCS 600-102544/8	Lab Control Sample	Total/NA	Water	8260B	
MB 600-102544/9	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 102486

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	3510C	
600-70421-1 MS	VCP-MW-5	Total/NA	Water	3510C	
600-70421-1 MSD	VCP-MW-5	Total/NA	Water	3510C	
600-70421-4	MW-28	Total/NA	Water	3510C	
600-70421-5	VCP-MW-3	Total/NA	Water	3510C	
600-70421-7	VCP-MW-2	Total/NA	Water	3510C	
LCS 600-102486/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-102486/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 102587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	8270C LL	102486
600-70421-1 MS	VCP-MW-5	Total/NA	Water	8270C LL	102486
600-70421-1 MSD	VCP-MW-5	Total/NA	Water	8270C LL	102486
600-70421-4	MW-28	Total/NA	Water	8270C LL	102486
600-70421-7	VCP-MW-2	Total/NA	Water	8270C LL	102486
LCS 600-102486/2-A	Lab Control Sample	Total/NA	Water	8270C LL	102486
MB 600-102486/1-A	Method Blank	Total/NA	Water	8270C LL	102486

Analysis Batch: 102677

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-5	VCP-MW-3	Total/NA	Water	8270C LL	102486

GC Semi VOA

Prep Batch: 102464

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	TX_1005_W_Prep	
600-70421-4	MW-28	Total/NA	Water	TX_1005_W_Prep	
600-70421-5	VCP-MW-3	Total/NA	Water	TX_1005_W_Prep	
600-70421-6	MW-20	Total/NA	Water	TX_1005_W_Prep	

GC Semi VOA (Continued)

Prep Batch: 102464 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-7	VCP-MW-2	Total/NA	Water	TX_1005_W_Prep	
LCS 600-102464/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
MB 600-102464/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 102500

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	TX 1005	102464
600-70421-4	MW-28	Total/NA	Water	TX 1005	102464
600-70421-5	VCP-MW-3	Total/NA	Water	TX 1005	102464
600-70421-6	MW-20	Total/NA	Water	TX 1005	102464
600-70421-7	VCP-MW-2	Total/NA	Water	TX 1005	102464
LCS 600-102464/2-A	Lab Control Sample	Total/NA	Water	TX 1005	102464
MB 600-102464/1-A	Method Blank	Total/NA	Water	TX 1005	102464

Metals

Prep Batch: 102620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	7470A	
600-70421-4	MW-28	Total/NA	Water	7470A	
600-70421-4 DU	MW-28	Total/NA	Water	7470A	
600-70421-4 MS	MW-28	Total/NA	Water	7470A	
600-70421-5	VCP-MW-3	Total/NA	Water	7470A	
600-70421-6	MW-20	Total/NA	Water	7470A	
600-70421-7	VCP-MW-2	Total/NA	Water	7470A	
LCS 600-102620/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 600-102620/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 102653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	7470A	102620
600-70421-4	MW-28	Total/NA	Water	7470A	102620
600-70421-4 DU	MW-28	Total/NA	Water	7470A	102620
600-70421-4 MS	MW-28	Total/NA	Water	7470A	102620
600-70421-5	VCP-MW-3	Total/NA	Water	7470A	102620
600-70421-6	MW-20	Total/NA	Water	7470A	102620
600-70421-7	VCP-MW-2	Total/NA	Water	7470A	102620
LCS 600-102620/8-A	Lab Control Sample	Total/NA	Water	7470A	102620
MB 600-102620/7-A	Method Blank	Total/NA	Water	7470A	102620

Prep Batch: 102708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	3010A	
600-70421-4	MW-28	Total/NA	Water	3010A	
600-70421-5	VCP-MW-3	Total/NA	Water	3010A	
600-70421-6	MW-20	Total/NA	Water	3010A	
600-70421-7	VCP-MW-2	Total/NA	Water	3010A	
LCS 600-102708/2-A	Lab Control Sample	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 102708 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-102708/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 102936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70421-1	VCP-MW-5	Total/NA	Water	6010B	102708
600-70421-4	MW-28	Total/NA	Water	6010B	102708
600-70421-5	VCP-MW-3	Total/NA	Water	6010B	102708
600-70421-6	MW-20	Total/NA	Water	6010B	102708
600-70421-7	VCP-MW-2	Total/NA	Water	6010B	102708
LCS 600-102708/2-A	Lab Control Sample	Total/NA	Water	6010B	102708
MB 600-102708/1-A	Method Blank	Total/NA	Water	6010B	102708

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-5

Lab Sample ID: 600-70421-1

Date Collected: 03/19/13 16:15

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 20:43	KLV	TAL HOU
Total/NA	Prep	3510C			102486	03/25/13 14:00	MRA	TAL HOU
Total/NA	Analysis	8270C LL		1	102587	03/26/13 13:54	TTD	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102464	03/25/13 12:03	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102500	03/26/13 01:32	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 09:56	MJT	TAL HOU
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 13:53	DCL	TAL HOU

Client Sample ID: Trip Blank

Lab Sample ID: 600-70421-2

Date Collected: 03/12/13 14:00

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 18:50	KLV	TAL HOU

Client Sample ID: Equipment Blank 1

Lab Sample ID: 600-70421-3

Date Collected: 03/19/13 16:50

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 19:19	KLV	TAL HOU

Client Sample ID: MW-28

Lab Sample ID: 600-70421-4

Date Collected: 03/21/13 08:30

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 21:11	KLV	TAL HOU
Total/NA	Prep	3510C			102486	03/25/13 14:00	MRA	TAL HOU
Total/NA	Analysis	8270C LL		1	102587	03/26/13 15:16	TTD	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102464	03/25/13 12:03	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102500	03/26/13 02:05	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 09:58	MJT	TAL HOU
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:03	DCL	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Client Sample ID: VCP-MW-3

Lab Sample ID: 600-70421-5

Date Collected: 03/21/13 09:30

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 21:39	KLV	TAL HOU
Total/NA	Prep	3510C			102486	03/25/13 14:00	MRA	TAL HOU
Total/NA	Analysis	8270C LL		1	102677	03/27/13 13:42	TTD	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102464	03/25/13 12:03	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102500	03/26/13 02:38	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 10:03	MJT	TAL HOU
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:05	DCL	TAL HOU

Client Sample ID: MW-20

Lab Sample ID: 600-70421-6

Date Collected: 03/21/13 13:30

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 22:07	KLV	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102464	03/25/13 12:03	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102500	03/26/13 03:11	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 10:05	MJT	TAL HOU
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:08	DCL	TAL HOU

Client Sample ID: VCP-MW-2

Lab Sample ID: 600-70421-7

Date Collected: 03/21/13 14:30

Matrix: Water

Date Received: 03/22/13 08:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102544	03/25/13 22:35	KLV	TAL HOU
Total/NA	Prep	3510C			102486	03/25/13 14:00	MRA	TAL HOU
Total/NA	Analysis	8270C LL		1	102587	03/26/13 16:11	TTD	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102464	03/25/13 12:03	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102500	03/26/13 03:43	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 10:07	MJT	TAL HOU
Total/NA	Prep	3010A			102708	03/27/13 17:09	NER	TAL HOU
Total/NA	Analysis	6010B		1	102936	04/01/13 14:10	DCL	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70421-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

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600-70421 Chain of Custody

4/12/2013

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW	Tim Nickels	3/21/13	225413
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
2201 Double Creek Dr, Ste 4004	(512) 671-3434		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664	John Brayton		
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP Investigation			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOC	TPH 8015 DRO	SVOC	Total RCRA metals	Dissolved RCRA metals	Special Instructions/ Conditions of Receipt
VCP-MW-5	3/19/13	1615		X						6			X	X				Hold all
"	"	"		X			2								X			Disolved metals
"	"	"		X					2							X	X	pending instructions
Trip Blank	3/12/13	1400		X						3			X					
Equipment Blank 1	3/19/13	1650		X						3			X					
MW-28	3/21/13	0830		X						6			X	X				
"	"	"		X			2								X			
"	"	"		X					2							X	X	
VCP-MW-3	3/21/13	0930		X					2							X	X	Totals Filtered
"	"	"		X					1							X		Totals UN Filtered
"	"	"		X						6			X	X				
"	"	"		X			1								X			

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other (Normal TAT)

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	3/21/13	1520		3/21/13	1520
2.		3/21/13	1720			
3.					03/22/13	0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

4/12/2013

Client: PBW	Project Manager: Tim Nickels	Date: 3/21/13	Chain of Custody Number: 225414
Address: 2201 Double Creek Dr Ste 4004	Telephone Number (Area Code)/Fax Number: (512) 671-3434	Lab Number	Page 2 of 2
City: Round Rock / State: TX / Zip Code: 78664	Site Contact: John Brayton	Lab Contact	Analysis (Attach list if more space is needed)
Project Name and Location (State): Exide VCP Investigation	Carrier/Waybill Number		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Total RCRA Metals	Diss. Metals RCRA Metals	VOCs	SVOCs	TPH 1005	Special Instructions/ Conditions of Receipt
MW-19	3/21/13	1330		X					2				X	X				Total metals - Filtered
"	"	"		X					1				X					Total metals - Unfiltered
"	"	"		X						X					X		X	*Hold all Dissolved metals pending Instr.
VCP-MW-2	3/21/13	1430		X					2				X	X				
"	"	"		X						6					X		X	
"	"	"		X			2								X			

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Normal TAT

QC Requirements (Specify)

1. Relinquished By: Tim Nickels	Date: 3/21/13	Time: 1520	1. Received By: [signature]	Date: 3/21/13	Time: 1520
2. Relinquished By: [signature]	Date: 3/21/13	Time: 1730	2. Received By:	Date:	Time:
3. Relinquished By:	Date:	Time:	3. Received By: [signature]	Date: 03/22/13	Time: 0838

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70421-1

Login Number: 70421

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Data Usability Summary
Exide Recycling Center
March 19, 2013 Groundwater Sampling Event
TestAmerica Laboratories DATA PACKAGE 600-70254-1

Pastor, Behling & Wheeler, LLC reviewed one data package from TestAmerica Laboratories in Houston, Texas for the analysis of the groundwater samples collected March 19, 2013 at the Exide Recycling Center facility, in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives. At the time the laboratory data were generated for the project, TestAmerica Laboratories was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes and methods of analysis requested on the chain-of-custody documentation.

Intended Use of Data: To provide current data on concentrations of COC's in groundwater.

Analyses requested included:

- Method SW8260B – Volatile Organic Compounds (GC/MS)
- Method SW8270C LL – Semivolatile Organic Compounds by GCMS - Low Levels
- Method TX 1005 Texas – Total Petroleum Hydrocarbon (GC)
- Method SW6010B – Metals (ICP)
- Method SW7470A – Mercury (CVAA)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data*, (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- case narratives, and
- the field notes with respect to field instrument calibrations, filtering procedures, sampling procedures preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized in the Laboratory Review Checklists (LRCs), Exception Reports, and case narrative, all of which were included in this review.

Introduction

One (1) groundwater sample was collected and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), metals (lead, chromium, cadmium, barium, arsenic, silver and selenium) and mercury. Table 1 lists the sample identifications cross-referenced to the laboratory identifications.

Project Objectives

Project QA/QC objectives were established as the TRRP-13 recommended control limits:

- For organic analytes: percent recoveries between 60% and 140%, relative percent differences (RPD) within 40%, and
- For inorganic analytes: percent recoveries between 70% and 130%, RPD within 30%.

DATA REVIEW / VALIDATION RESULTS

Analytical Results

Qualified sample data are listed in Table 2. Non-detected results (ND) are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. Analytes detected between the SDL and the method quantitation limit (MQL) and were qualified with a "J-flag" to denote that the reported values were considered to be estimated.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). Samples were received in appropriate containers in good condition with the exception of one VOA for VCP-MW-6 which was received broken or leaking. Enough sample volume remained to analyze for the constituents required. Paperwork was filled out properly. Sample receipt temperatures were within the acceptance criteria of 4±2°C. Samples were preserved in the field as specified in SW-846 Table 2-40(A) and 2-40(B). Samples were prepared and analyzed within holding times as specified in SW-846 Table 2-40(A) and 2-40(B).

Calibrations

The LRC indicates the following calibration issues:

- The control criteria for bromomethane in the continuing calibration verification (CCV) were exceeded for analytical batch 102131. The samples associated with this CCV were non-detects for bromomethane and are flagged accordingly (UJ). The laboratory is not NELAC certified for Bromomethane (X8 flag).
- The control criteria for Benzidine and Hexachlorocyclopentadiene in the CCV were exceeded for analytical batch 102440. The data are flagged accordingly (UJ).

Blanks

All VOCs were reported as non-detected (ND) in the trip blank. In the laboratory method blank for batch 102173, chromium was detected. Chromium was also detected in the Dup 1 above the MDL but below the MQL at less than 5 times the method blank and was flagged accordingly (U).

Surrogate Recoveries

Surrogate recoveries for SVOCs for VCP-MW-6 and Dup 1, the Method Blank, VCP-MW-6 MS and MSD were below project control limits for two surrogates while the LCS was below the project control limit for one surrogate. It is allowable for one acid and one base of the surrogates to be outside the acceptance criteria. No further action is required.

Laboratory Control Samples

Laboratory control sample (LCS) recoveries were within laboratory control limits for all compounds except the following analytes:

- For VOCs, Bromomethane was above the laboratory control limits. Samples results were non-detect and no further action is required.
- For SVOCs, 3-Nitrolaniline was above the laboratory control limits but was not detected in the samples. No further action is required.

Matrix Spike/Matrix Spike Duplicates

MS/MSD precision and accuracy results were within the project-defined QC acceptance criteria for Metals, Mercury and TPH. MS/MSDs were outside laboratory control limits for the following:

- For VOCs, the MS was above the project control limits for Bromomethane and Chloromethane. The samples were non-detect for these analytes and no further action is required.
- For VOCs, the MSD was above the project control limits for Bromomethane, Chloroethane and Chloromethane. The RPDs were within project control limits and no further action is required.
- For SVOCs, the MS was below the project control limits for the following analytes: Benzidine, Bis(2-chloroethyl)ether, 3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene, Hexachloroethane, N-Nitrosodimethylamine, 2-Methylphenol, 3&4 Methylphenol, 4-Nitrophenol and Phenol. These analytes were non-detect in samples and were flagged accordingly (UJL).
- For SVOCs, the MS was above the project control limits for 3-Nitroaniline which was non-detect in the samples. No further action is required.
- For SVOCs, the MSD was outside the control limit for the following analytes: Benzidine, Bis(2-chloroethyl)ether, 4-Chlorophenyl phenyl ether, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 3,3'-Dichlorobenzidine, Hexachlorocyclopentadiene, Hexachloroethane, Hexachlorobutadiene, 3-Nitroaniline, N-Nitrosodimethylamine, Benzyl alcohol, 2-Methylphenol, 3&4 Methylphenol, 4-Nitrophenol and Phenol. The RPDs were within project control limits and no further action is required.

Laboratory Certification

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form except for Bromomethane by SW-846 8260B, which is reported for all aqueous samples. The results for this analyte are validated and reported as part of a suite of analytes for the method and recertification is in progress for this analyte pending TCEQ action. Per TRRP-13, the reviewer qualified all results for Bromomethane as not accredited - single analyte in a multi-analyte suite (X8).

Field Precision

Barium was the only analyte detected in the groundwater sample and the field duplicate sample Dup 1. Field duplicate precision was only calculated for the detected analyte. Table 3 summarizes groundwater field duplicate precision calculations. Field duplicate precision met the project measurement quality objective of RPDs $\leq$ 30% for the detected analyte.

Field Procedures

Samples were collected using documented SOPs.

SUMMARY

The analytical data are usable for the purpose of determining current COC concentrations in the groundwater at the affected property. Additionally, all results for Bromomethane in these aqueous samples are qualified as not accredited - single analyte in a multi-analyte suite (X8). QC results are reported for this analyte and meet the requirements for all of the blanks and spikes. Additionally, the laboratory is accredited for the remaining 39 target analytes in this matrix, analyzed by this method. The analyte results are validated and reported as part of a suite of analytes for the method.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification
VCP-MW-6	600-70254-1
Dup 1	600-70254-2
Trip Blank	600-70254-3

Table 2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
Dup-1	Benzidine	UJL	CCV outside specifications
Dup-1	Bromomethane	UJL, X8	CCV outside specifications, Laboratory is not NELAC accredited for analyte
Dup-1	Chromium	U	Not detected above the level of associated value (SDL).
Dup-1	Hexachlorocyclo-pentadiene	UJL	CCV outside specifications
VCP-MW-6	Benzidine	UJL	CCV outside specifications
VCP-MW-6	Bromomethane	UJL, X8	CCV outside specifications, Laboratory is not NELAC accredited for analyte
VCP-MW-6	Hexachlorocyclo-pentadiene	UJL	CCV outside specifications

J – Estimated data.
U – Analyte was not detected above the sample detection limit.
L – Bias in sample result likely to be low.
X8 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ offers accreditation for this analyte, in this matrix, analyzed by this method, but the laboratory is not accredited for this analyte in this matrix by this method. The analyte result is validated and reported as part of a suite of analytes for the method.

Table 3. Field Precision

Field Identification	Analyte	Sample Result	Duplicate Result	RPD[1]	Qualified
VCP-MW-6/Dup 1	Barium	0.0967	0.0945	4.64	A

[1]RPD = ((SR-DR)*200)/(SR+DR)
Results reported in mg/L
A – Acceptable Data
NA – Not applicable

Prepared by: Kate McCarthy, PG Date: May 11, 2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70254-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
4/11/2013 5:35:29 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70254-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/08/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102173- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				2
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102173- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102173- ICP

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	Chromium was detected above the MDL, but below the MQL in the prep blank for batch 102173. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102274- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102274- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70254
Reviewer Name: TWR	Prep Batch Number(s): 600-102274- Mercury

ER #[1]	DESCRIPTION
1	See Case Narrative.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/21/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254
Reviewer Name: KV	Prep Batch Number: 600-102131 -VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			3

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/21/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254
Reviewer Name: KV	Prep Batch Number: 600-102131 -VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			4
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/21/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254
Reviewer Name: KV	Prep Batch Number: 600-102131 -VOA

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	The matrix spike / matrix spike duplicate (MS/MSD) recoveries associated with batch 102131 were outside control limits. Matrix interference is suspected.
3	The laboratory is not NELAC certified for Bromomethane.
4	The continuing calibration verification (CCV) for Bromomethane associated with batch 102131 recovered above the upper control limit. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/25/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70254
Reviewer Name: JOH	Prep Batch Number(s): 600-102156 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/25/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70254
Reviewer Name: JOH	Prep Batch Number(s): 600-102156 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			4
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
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Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/25/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70254
Reviewer Name: JOH	Prep Batch Number(s): 600-102156 - SV

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	The laboratory control sample (LCS) exceeded control limits for the following analyte: 3-Nitroaniline. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.
3	The matrix spike and matrix spike (MS/MSD) exceeded control limits for the following analyte: 3-Nitroaniline. This analyte was biased high in the MS/MSD and was not detected in the associated samples; therefore, the data have been reported. The 3,3'-Dichlorobenzidine recovery in the MSD and the RPD between the MS/MSD were outside control limits. This analyte has been identified as a poor performing analyte when using this method. The data have been qualified and reported.
4	The continuing calibration verification (CCV) for analytical batch 102440 exceeded control criteria for Hexachlorocyclopentadiene and Benzidine. The SOP allows up to four target analytes to have a %drift greater than the acceptance limit. The data have been qualified and reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/22/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102155- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/22/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102155- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

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Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/22/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70254-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102155- TX1005

ER #[1]	DESCRIPTION
1	See Case Narrative.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix: Water
Method: 8260B_LL
Preparation: Wei Shen
Date Analyzed: 10/8/2012
Date Prepared: 10/8/2012
TALs Batches: A25003.D
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Dichlorodifluoromethane	0.12	1	0.0281	5
Chloromethane	0.18	1	0.355	10
Vinyl Chloride	0.11	0.5	0.131	10
Bromomethane	0.25	1	0.882	10
Chloroethane	0.08	0.5	0.208	10
Allyl chloride	2	1	1.84	5
Acrolein	1.63	1	4.34	5
1,1-Dichloroethene	0.19	0.5	4.3	5
trans-1,2-Dichloroethene	0.09	0.5	4.68	5
Trichlorotrifluoroethane	1	1	0.534	5
Acetone	0.99	1	1.87	5
Methyl Iodide (Iodomethane)	2	1	2.29	5
Carbon Disulfide	0.24	1	2.6	5
2-Propanol (Isopropyl alcohol)	3.72	1	7.51	5
Acetonitrile	0.27	1	1.21	5
Methylene Chloride	0.15	0.5	1.79	10
Methyl tert-butyl ether	0.12	0.5	0.704	5
Vinyl Acetate	0.21	0.5	0.776	5
Acrylonitrile	0.52	1	2.71	5
Chloroprene (2-Chloro-1,3-butadiene)	0.33	1	1.16	5
Propionitrile	0.66	1	1.58	5
cis-1,2-Dichloroethene	0.06	0.5	0.659	5
1,2-Dichloroethene	0.3	1	1.45	5
2-Butanone (MEK)	0.76	1	1.64	5
Isobutyl alcohol	3.32	1	8.48	5
Bromochloromethane	0.18	0.5	0.436	5
Methacrylonitrile	0.41	1	1.62	5
Carbon Tetrachloride	0.15	0.5	0.318	5
Benzene	0.08	0.5	0.355	5
1,2-Dichloroethane	0.14	0.5	0.379	5
Trichloroethene	0.13	0.5	0.343	5
1,1,1-Trichloroethane	0.15	0.5	0.306	5
1,1-Dichloropropene	0.11	0.5	0.281	5
1,2-Dichloroethane	0.3	0.5	0.316	5
1,2-Dichloropropane	0.16	0.5	0.292	5
2,2-Dichloropropane	0.13	1	0.682	5
Methylene Bromide (Bromomethane)	0.25	0.5	0.328	5
1,4-Dioxane	30.79	1	34.08	250
Methyl methacrylate	0.33	1	1.55	5

Bromodichloromethane	0.16	0.5	0.715	5
2-Chloroethyl vinyl ether	0.5	1	2.04	5
1,1-Dichloropropane	0.21	0.5	0.774	5
cis-1,3-Dichloropropene	0.18	0.5	0.718	5
4-Methyl-2-pentanone	0.45	1	2.42	10
Toluene	0.15	0.5	0.431	5
trans-1,3-Dichloropropene	0.21	0.5	0.406	5
Ethyl Methacrylate	0.94	1	0.686	10
1,1,2-Trichloroethane	0.18	0.5	0.401	5
Tetrachloroethene	0.18	0.5	0.823	5
1,3-Dichloropropane	0.22	1	0.89	5
2-Hexanone	0.35	1	2.01	10
Dibromochloromethane	0.16	0.5	0.811	5
1,2-Dibromoethane (Ethylene bromide)	0.18	0.5	0.373	5
Chlorobenzene	0.12	0.5	0.424	5
1,1,1,2-Tetrachloroethane	0.18	0.5	0.401	5
Ethylbenzene	0.11	0.5	0.357	5
m,p-Xylene	0.17	0.5	0.741	10
o-Xylene	0.12	0.5	0.37	5
Xylenes (total)	0.26	0.5	1.11	5
Styrene	0.07	0.5	0.344	5
Bromoform	0.19	0.5	0.915	5
Isopropylbenzene	0.18	0.5	0.367	5
Bromobenzene	0.19	0.5	0.457	5
1,2,3-Trichloropropane	0.29	1	0.89	5
1,1,2,2-Tetrachloroethane	0.22	1	0.729	5
trans-1,4-Dichloro-2-butene	0.64	1	2.36	5
n-Propylbenzene	0.15	0.5	0.372	5
2-Chlorotoluene	0.13	0.5	0.424	5
4-Chlorotoluene	0.14	0.5	0.442	5
1,3,5-Trimethylbenzene	0.1	0.5	0.392	5
tert-Butylbenzene	0.08	0.5	0.359	5
p-Isopropyltoluene	0.1	0.5	0.329	5
1,2,4-Trimethylbenzene	0.14	0.5	0.388	5
sec-Butylbenzene	0.12	0.5	0.329	5
1,3-Dichlorobenzene	0.13	0.5	0.437	5
1,4-Dichlorobenzene	0.11	0.5	0.475	5
1,2-Dichlorobenzene	0.1	0.5	0.466	5
n-Butylbenzene	0.16	0.5	0.297	5
1,2-Dibromo-3-chloropropane	0.33	1	1.2	5
1,2,4-Trichlorobenzene	0.31	1	0.849	5
Hexachlorobutadiene	0.17	0.5	0.363	5
Naphthalene	0.32	1	1.09	5
1,2,3-Trichlorobenzene	0.57	1	0.867	5

Quality Control Report
Detection Check Standard

Matrix:	Water
Method:	8270C LL
Preparation:	3510C
Date Analyzed:	10/18/2012
Date Prepared:	10/16/2012
Lab Sample ID:	600-91246_18-a
Units:	ug/L

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	0.04	0.25	0.067	0.5
N-Nitrosodimethyalamine	0.26	0.25	0.121	0.5
Aniline	0.08	0.25	0.085	0.5
Phenol	0.04	0.25	0.054	0.5
bis(2-Chloroethyl)ether	0.15	0.25	0.149	0.5
2-Chlorophenol	0.13	0.25	0.097	0.5
1,3-Dichlorobenzene	0.17	0.25	0.152	0.5
1,4-Dichlorobenzene	0.13	0.25	0.166	0.5
1,2-Dichlorobenzene	0.17	0.25	0.167	0.5
Benzyl alcohol	0.17	0.25	0.075	0.5
2-Methylphenol	0.12	0.25	0.112	0.5
m&p-Cresols	0.2	0.25	0.053	1
bis (2-Chloroisopropyl) ether	0.4	0.25	0.143	0.5
N-Nitroso-di-n-propylamine	0.1	0.25	0.177	0.5
Hexachloroethane	0.1	0.25	0.185	0.5
Nitrobenzene	0.11	0.25	0.131	0.5
Isophorone	0.11	0.25	0.149	0.5
2-Nitrophenol	0.22	0.5	0.205	0.5
Benzoic acid	2.51	5	6.530	2.5
2,4-Dimethylphenol	0.31	0.5	0.130	0.5
bis(2-Chloroethoxy)methane	0.13	0.25	0.122	0.5
2,4-Dichlorophenol	0.15	0.25	0.068	0.5
1,2,4-Trichlorobenzene	0.12	0.25	0.125	0.5
Naphthalene	0.08	0.25	0.161	0.5
4-Chloroaniline	0.21	0.5	0.232	0.5
Hexachlorobutadiene	0.18	0.25	0.160	0.5
4-Chloro-3-methylphenol	0.17	0.25	0.075	0.5
2-Methylnaphthalene	0.07	0.25	0.128	0.5
1-Methylnaphthalene	0.09	0.25	0.147	0.5
Hexachlorocyclopentadiene	0.13	0.5	0.487	0.5
2,4,6-Trichlorophenol	0.18	0.5	0.062	0.5
2,4,5-Trichlorophenol	0.25	0.5	0.107	0.5
2-Chloronaphthalene	0.08	0.25	0.148	0.5
2-Nitroaniline	0.19	0.5	0.213	0.5
Dimethylphthalate	0.07	0.25	0.145	0.5
1,4 Dinitrobenzene	5	0.25	0.363	0.5
1,3-Dinitrobenzene	0.08	0.25	0.381	0.5
1,2-Dinitrobenzene	0.5	0.25	0.040	0.5
Acenaphthylene	0.06	0.25	0.137	0.5

2,6-Dinitrotoluene	0.08	0.25	0.178	0.5
3-Nitroaniline	0.16	0.5	0.240	0.5
Acenaphthene	0.08	0.25	0.151	0.5
Dibenzofuran	0.08	0.25	0.127	0.5
2,4-Dinitrotoluene	0.13	0.25	0.144	0.5
Diethylphthalate	1.5	0.5	0.431	0.5
4-Chlorophenyl-phenylether	0.1	0.25	0.102	0.5
Fluorene	0.07	0.25	0.107	0.5
4-Nitroaniline	0.25	0.5	0.124	0.5
4,6-Dinitro-2-Methylphenol	0.83	2.5	0.530	1
N-Nitrosodiphenylamine	0.1	0.25	0.176	0.5
Diphenylamine	0.1	0.25	0.099	0.5
1,2-Diphenylhydrazine	0.11	0.25	0.224	0.5
Azobenzene	0.07	0.25	0.117	0.5
4-Bromophenyl-phenylether	0.1	0.25	0.112	0.5
Hexachlorobenzene	0.11	0.25	0.130	0.5
Phenanthrene	0.06	0.25	0.169	0.5
Anthracene	0.05	0.25	0.144	0.5
Carbazole	0.17	0.25	0.140	0.5
Di-n-butylphthalate	0.11	0.25	0.238	0.5
Fluoranthene	0.07	0.25	0.196	0.5
Pyrene	0.11	0.25	0.153	0.5
Butylbenzylphthalate	0.12	0.25	0.238	0.5
3,3'-Dichlorobenzidene	0.5	0.25	0.066	0.5
Benzo(a)anthracene	0.08	0.25	0.175	0.5
bis(2-Ethylhexl)phthalate	0.37	0.5	0.420	0.5
Chrysene	0.08	0.25	0.212	0.5
Di-n-octylphthalate	0.16	0.25	0.091	0.5
Benzo(b)fluoranthene	0.07	0.25	0.143	0.5
Benzo(k)fluoranthene	0.09	0.25	0.201	0.5
Benzo(a)pyrene	0.08	0.25	0.137	0.5
Indeno(1,2,3-cd)pyrene	0.07	0.25	0.454	0.5
Dibenz(a,h)anthracene	0.08	0.25	0.123	0.5
Benzo(g,h,i)perylene	0.08	0.25	0.112	0.5

Detection Check Standard

Matrix: Water
Method: TX1005
Preparation: Raymond
Date Analyzed: 12/27/2012
Date Prepared: 12/27/2012
Data File: FID-12\A122712_04.d
Units: mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	0.37	1	0.567	10
>C12-C28	0.96	1	0.483	10
Total C6-C35	0.96	2	1.05	10

Detection Check Standard

Matrix:	Water
Method:	7470, 245.1
Preparation:	7470p, 245.1p
Date Analyzed:	11/29/2012
Date Prepared:	11/29/2012
Instrument:	FIMS100
TALs Batches:	94296, 94163p
Units:	ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Mercury	0.026	0.05	0.048177	0.2

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	12/3/2012
Date Prepared:	11/28/2012
Instrument:	Thermo 6500
TALs Batches:	94513, 94244(prep)
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0197	0.5
Antimony	0.0063	0.01	0.0106	0.05
Arsenic	0.0033	0.01	0.0071	0.01
Barium	0.0022	0.005	0.0052	0.02
Beryllium	0.00134	0.002	0.0039	0.005
Boron	0.0077	0.02	0.0228	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0916	1
Chromium	0.0016	0.002	0.0035	0.01
Cobalt	0.00063	0.001	0.0008	0.01
Copper	0.0014	0.002	0.0005	0.01
Iron	0.087	0.1	0.0965	0.4
Lithium	0.0024	0.005	0.0066	0.2
Lead	0.0029	0.005	0.0053	0.01
Selenium	0.0042	0.01	0.0105	0.04
Manganese	0.00084	0.002	0.0019	0.01
Molybdenum	0.0027	0.005	0.0057	0.01
Nickel	0.00179	0.005	0.0048	0.01
Silver	0.0012	0.0025	0.0026	0.01
Sodium	0.02	0.05	0.381	1
Strontium	0.0005	0.001	0.0015	0.005
Thallium	0.0078	0.02	0.0203	0.03
Tin	0.0028	0.005	0.0053	0.01
Titanium	0.0011	0.002	0.002	0.01
Vanadium	0.0017	0.002	0.0041	0.01
Zinc	0.0022	0.005	0.0058	0.01

Job ID: 600-70254-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70254-1

Comments
The report was revised on 04/11/13 to include MTBE by 8260B per client request.

Receipt
The samples were received on 3/20/2013 9:11 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 2.7º C and 5.4º C.

Except:

One or more containers for the following sample(s) was received broken or leaking: One VOA vial for VCP-MW-6.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70254-1	VCP-MW-6	Water	03/19/13 13:30	03/20/13 09:11
600-70254-2	Dup 1	Water	03/19/13 00:00	03/20/13 09:11
600-70254-3	Trip Blank	Water	03/19/13 00:00	03/20/13 09:11

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Client Sample ID: VCP-MW-6
Date Collected: 03/19/13 13:30
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/20/13 15:53	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 15:53	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/20/13 15:53	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/20/13 15:53	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/20/13 15:53	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/20/13 15:53	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/20/13 15:53	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/20/13 15:53	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/20/13 15:53	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/20/13 15:53	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/20/13 15:53	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/20/13 15:53	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/20/13 15:53	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/20/13 15:53	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/20/13 15:53	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/20/13 15:53	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 15:53	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/20/13 15:53	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/20/13 15:53	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/20/13 15:53	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/20/13 15:53	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/20/13 15:53	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/20/13 15:53	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/20/13 15:53	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/20/13 15:53	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 15:53	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/20/13 15:53	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/20/13 15:53	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/20/13 15:53	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/20/13 15:53	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/20/13 15:53	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/20/13 15:53	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/20/13 15:53	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/20/13 15:53	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/20/13 15:53	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/20/13 15:53	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/20/13 15:53	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/20/13 15:53	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/20/13 15:53	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/20/13 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*03/20/13 15:53*	*1*
Dibromofluoromethane	*119*		*62 - 130*		*03/20/13 15:53*	*1*
4-Bromofluorobenzene	*96*		*67 - 139*		*03/20/13 15:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*50 - 134*		*03/20/13 15:53*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0755	U	0.943	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1

Client Sample ID: VCP-MW-6
Date Collected: 03/19/13 13:30
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0566	U	0.943	0.0566	ug/L		03/21/13 09:07	03/22/13 13:23	1
Anthracene	0.0472	U	0.943	0.0472	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzidine	0.575	U	9.43	0.575	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzo[a]anthracene	0.0755	U	1.89	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzo[b]fluoranthene	0.0660	U	1.89	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzo[k]fluoranthene	0.0849	U	1.89	0.0849	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzo[g,h,i]perylene	0.0755	U	2.36	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
Benzo[a]pyrene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
Bis(2-chloroethoxy)methane	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 13:23	1
Bis(2-chloroethyl)ether	0.142	U	1.42	0.142	ug/L		03/21/13 09:07	03/22/13 13:23	1
Bis(2-ethylhexyl) phthalate	0.349	U	2.36	0.349	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Bromophenyl phenyl ether	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 13:23	1
Butyl benzyl phthalate	0.113	U	2.36	0.113	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Chloroaniline	0.198	U	0.943	0.198	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Chloronaphthalene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Chlorophenyl phenyl ether	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 13:23	1
Carbazole	0.160	U	5.90	0.160	ug/L		03/21/13 09:07	03/22/13 13:23	1
Chrysene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
Di-n-butyl phthalate	**0.131**	**J**	2.36	0.104	ug/L		03/21/13 09:07	03/22/13 13:23	1
Dibenz(a,h)anthracene	0.0755	U	2.36	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
Dibenzofuran	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
1,2-Dichlorobenzene	0.160	U	1.65	0.160	ug/L		03/21/13 09:07	03/22/13 13:23	1
1,3-Dichlorobenzene	0.160	U	1.42	0.160	ug/L		03/21/13 09:07	03/22/13 13:23	1
1,4-Dichlorobenzene	0.123	U	1.89	0.123	ug/L		03/21/13 09:07	03/22/13 13:23	1
3,3'-Dichlorobenzidine	0.170	U	9.43	0.170	ug/L		03/21/13 09:07	03/22/13 13:23	1
Diethyl phthalate	1.42	U	2.36	1.42	ug/L		03/21/13 09:07	03/22/13 13:23	1
Dimethyl phthalate	0.0660	U	2.36	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4-Dinitrotoluene	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 13:23	1
Di-n-octyl phthalate	0.151	U	4.72	0.151	ug/L		03/21/13 09:07	03/22/13 13:23	1
Fluoranthene	0.0660	U	2.36	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
Fluorene	0.0660	U	1.42	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
Hexachlorobenzene	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 13:23	1
Hexachlorocyclopentadiene	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 13:23	1
Hexachloroethane	0.0943	U	1.89	0.0943	ug/L		03/21/13 09:07	03/22/13 13:23	1
Hexachlorobutadiene	0.170	U	1.89	0.170	ug/L		03/21/13 09:07	03/22/13 13:23	1
Indeno[1,2,3-cd]pyrene	0.0660	U	1.89	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
Isophorone	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Methylnaphthalene	0.0660	U	1.42	0.0660	ug/L		03/21/13 09:07	03/22/13 13:23	1
Naphthalene	0.0755	U	4.72	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Nitroaniline	0.179	U	2.36	0.179	ug/L		03/21/13 09:07	03/22/13 13:23	1
3-Nitroaniline	0.151	U *	2.36	0.151	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Nitroaniline	0.236	U	2.36	0.236	ug/L		03/21/13 09:07	03/22/13 13:23	1
Nitrobenzene	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 13:23	1
N-Nitrosodimethylamine	0.245	U	1.89	0.245	ug/L		03/21/13 09:07	03/22/13 13:23	1
N-Nitrosodiphenylamine	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 13:23	1
N-Nitrosodi-n-propylamine	0.0943	U	2.36	0.0943	ug/L		03/21/13 09:07	03/22/13 13:23	1
Phenanthrene	0.0566	U	1.42	0.0566	ug/L		03/21/13 09:07	03/22/13 13:23	1
Pyrene	0.104	U	1.89	0.104	ug/L		03/21/13 09:07	03/22/13 13:23	1
1,2,4-Trichlorobenzene	0.113	U	1.89	0.113	ug/L		03/21/13 09:07	03/22/13 13:23	1

Client Sample ID: VCP-MW-6
Date Collected: 03/19/13 13:30
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.160	U	5.19	0.160	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Chloro-3-methylphenol	0.160	U	0.943	0.160	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Chlorophenol	0.123	U	1.89	0.123	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Methylphenol	0.113	U	1.42	0.113	ug/L		03/21/13 09:07	03/22/13 13:23	1
3 & 4 Methylphenol	0.189	U	0.943	0.189	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4-Dichlorophenol	0.142	U	2.36	0.142	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4-Dimethylphenol	0.292	U	2.36	0.292	ug/L		03/21/13 09:07	03/22/13 13:23	1
4,6-Dinitro-2-methylphenol	0.783	U	2.36	0.783	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4-Dinitrophenol	0.368	U	4.72	0.368	ug/L		03/21/13 09:07	03/22/13 13:23	1
2-Nitrophenol	0.208	U	0.943	0.208	ug/L		03/21/13 09:07	03/22/13 13:23	1
4-Nitrophenol	0.528	U	2.36	0.528	ug/L		03/21/13 09:07	03/22/13 13:23	1
Pentachlorophenol	0.575	U	2.36	0.575	ug/L		03/21/13 09:07	03/22/13 13:23	1
Phenol	0.0377	U	1.42	0.0377	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4,5-Trichlorophenol	0.236	U	1.89	0.236	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,4,6-Trichlorophenol	0.170	U	1.89	0.170	ug/L		03/21/13 09:07	03/22/13 13:23	1
2,6-Dinitrotoluene	0.0755	U	0.943	0.0755	ug/L		03/21/13 09:07	03/22/13 13:23	1
bis (2-Chloroisopropyl) ether	0.377	U	1.42	0.377	ug/L		03/21/13 09:07	03/22/13 13:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*27*		*12 - 128*	*03/21/13 09:07*	*03/22/13 13:23*	*1*
Terphenyl-d14	*80*		*33 - 141*	*03/21/13 09:07*	*03/22/13 13:23*	*1*
Nitrobenzene-d5	*77*		*47 - 120*	*03/21/13 09:07*	*03/22/13 13:23*	*1*
2-Fluorophenol	*46*		*18 - 120*	*03/21/13 09:07*	*03/22/13 13:23*	*1*
2-Fluorobiphenyl	*75*		*43 - 120*	*03/21/13 09:07*	*03/22/13 13:23*	*1*
2,4,6-Tribromophenol	*60*		*44 - 123*	*03/21/13 09:07*	*03/22/13 13:23*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.822	U	4.95	0.822	mg/L		03/21/13 08:59	03/21/13 21:48	1
>C12-C28	0.951	U	4.95	0.951	mg/L		03/21/13 08:59	03/21/13 21:48	1
>C28-C35	0.951	U	4.95	0.951	mg/L		03/21/13 08:59	03/21/13 21:48	1
C6-C35	1.55	U	4.95	1.55	mg/L		03/21/13 08:59	03/21/13 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*70 - 130*	*03/21/13 08:59*	*03/21/13 21:48*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/21/13 10:20	03/30/13 09:59	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/21/13 10:20	03/30/13 09:59	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/21/13 10:20	03/30/13 09:59	1
Ba	**0.0967**		0.0200	0.00220	mg/L		03/21/13 10:20	03/30/13 09:59	1
As	0.00328	U	0.0100	0.00328	mg/L		03/21/13 10:20	03/30/13 09:59	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/21/13 10:20	03/30/13 09:59	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/21/13 10:20	03/30/13 09:59	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/22/13 05:56	03/22/13 11:32	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Client Sample ID: Dup 1
Date Collected: 03/19/13 00:00
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/20/13 16:18	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 16:18	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/20/13 16:18	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/20/13 16:18	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/20/13 16:18	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/20/13 16:18	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/20/13 16:18	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/20/13 16:18	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/20/13 16:18	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/20/13 16:18	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/20/13 16:18	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/20/13 16:18	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/20/13 16:18	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/20/13 16:18	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/20/13 16:18	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/20/13 16:18	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 16:18	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/20/13 16:18	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/20/13 16:18	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/20/13 16:18	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/20/13 16:18	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/20/13 16:18	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/20/13 16:18	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/20/13 16:18	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/20/13 16:18	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 16:18	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/20/13 16:18	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/20/13 16:18	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/20/13 16:18	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/20/13 16:18	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/20/13 16:18	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/20/13 16:18	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/20/13 16:18	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/20/13 16:18	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/20/13 16:18	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/20/13 16:18	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/20/13 16:18	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/20/13 16:18	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/20/13 16:18	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/20/13 16:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*70 - 130*		*03/20/13 16:18*	*1*
Dibromofluoromethane	*124*		*62 - 130*		*03/20/13 16:18*	*1*
4-Bromofluorobenzene	*88*		*67 - 139*		*03/20/13 16:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*129*		*50 - 134*		*03/20/13 16:18*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0755	U	0.943	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Client Sample ID: Dup 1
Date Collected: 03/19/13 00:00
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0566	U	0.943	0.0566	ug/L		03/21/13 09:07	03/22/13 14:44	1
Anthracene	0.0472	U	0.943	0.0472	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzidine	0.575	U	9.43	0.575	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzo[a]anthracene	0.0755	U	1.89	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzo[b]fluoranthene	0.0660	U	1.89	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzo[k]fluoranthene	0.0849	U	1.89	0.0849	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzo[g,h,i]perylene	0.0755	U	2.36	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
Benzo[a]pyrene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
Bis(2-chloroethoxy)methane	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 14:44	1
Bis(2-chloroethyl)ether	0.142	U	1.42	0.142	ug/L		03/21/13 09:07	03/22/13 14:44	1
Bis(2-ethylhexyl) phthalate	0.349	U	2.36	0.349	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Bromophenyl phenyl ether	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 14:44	1
Butyl benzyl phthalate	0.113	U	2.36	0.113	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Chloroaniline	0.198	U	0.943	0.198	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Chloronaphthalene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Chlorophenyl phenyl ether	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 14:44	1
Carbazole	0.160	U	5.90	0.160	ug/L		03/21/13 09:07	03/22/13 14:44	1
Chrysene	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
Di-n-butyl phthalate	0.104	U	2.36	0.104	ug/L		03/21/13 09:07	03/22/13 14:44	1
Dibenz(a,h)anthracene	0.0755	U	2.36	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
Dibenzofuran	0.0755	U	1.42	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
1,2-Dichlorobenzene	0.160	U	1.65	0.160	ug/L		03/21/13 09:07	03/22/13 14:44	1
1,3-Dichlorobenzene	0.160	U	1.42	0.160	ug/L		03/21/13 09:07	03/22/13 14:44	1
1,4-Dichlorobenzene	0.123	U	1.89	0.123	ug/L		03/21/13 09:07	03/22/13 14:44	1
3,3'-Dichlorobenzidine	0.170	U	9.43	0.170	ug/L		03/21/13 09:07	03/22/13 14:44	1
Diethyl phthalate	1.42	U	2.36	1.42	ug/L		03/21/13 09:07	03/22/13 14:44	1
Dimethyl phthalate	0.0660	U	2.36	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4-Dinitrotoluene	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 14:44	1
Di-n-octyl phthalate	0.151	U	4.72	0.151	ug/L		03/21/13 09:07	03/22/13 14:44	1
Fluoranthene	0.0660	U	2.36	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
Fluorene	0.0660	U	1.42	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
Hexachlorobenzene	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 14:44	1
Hexachlorocyclopentadiene	0.123	U	1.42	0.123	ug/L		03/21/13 09:07	03/22/13 14:44	1
Hexachloroethane	0.0943	U	1.89	0.0943	ug/L		03/21/13 09:07	03/22/13 14:44	1
Hexachlorobutadiene	0.170	U	1.89	0.170	ug/L		03/21/13 09:07	03/22/13 14:44	1
Indeno[1,2,3-cd]pyrene	0.0660	U	1.89	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
Isophorone	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Methylnaphthalene	0.0660	U	1.42	0.0660	ug/L		03/21/13 09:07	03/22/13 14:44	1
Naphthalene	0.0755	U	4.72	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Nitroaniline	0.179	U	2.36	0.179	ug/L		03/21/13 09:07	03/22/13 14:44	1
3-Nitroaniline	0.151	U *	2.36	0.151	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Nitroaniline	0.236	U	2.36	0.236	ug/L		03/21/13 09:07	03/22/13 14:44	1
Nitrobenzene	0.104	U	1.42	0.104	ug/L		03/21/13 09:07	03/22/13 14:44	1
N-Nitrosodimethylamine	0.245	U	1.89	0.245	ug/L		03/21/13 09:07	03/22/13 14:44	1
N-Nitrosodiphenylamine	0.0943	U	1.42	0.0943	ug/L		03/21/13 09:07	03/22/13 14:44	1
N-Nitrosodi-n-propylamine	0.0943	U	2.36	0.0943	ug/L		03/21/13 09:07	03/22/13 14:44	1
Phenanthrene	0.0566	U	1.42	0.0566	ug/L		03/21/13 09:07	03/22/13 14:44	1
Pyrene	0.104	U	1.89	0.104	ug/L		03/21/13 09:07	03/22/13 14:44	1
1,2,4-Trichlorobenzene	0.113	U	1.89	0.113	ug/L		03/21/13 09:07	03/22/13 14:44	1

Client Sample ID: Dup 1
Date Collected: 03/19/13 00:00
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.160	U	5.19	0.160	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Chloro-3-methylphenol	0.160	U	0.943	0.160	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Chlorophenol	0.123	U	1.89	0.123	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Methylphenol	0.113	U	1.42	0.113	ug/L		03/21/13 09:07	03/22/13 14:44	1
3 & 4 Methylphenol	0.189	U	0.943	0.189	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4-Dichlorophenol	0.142	U	2.36	0.142	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4-Dimethylphenol	0.292	U	2.36	0.292	ug/L		03/21/13 09:07	03/22/13 14:44	1
4,6-Dinitro-2-methylphenol	0.783	U	2.36	0.783	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4-Dinitrophenol	0.368	U	4.72	0.368	ug/L		03/21/13 09:07	03/22/13 14:44	1
2-Nitrophenol	0.208	U	0.943	0.208	ug/L		03/21/13 09:07	03/22/13 14:44	1
4-Nitrophenol	0.528	U	2.36	0.528	ug/L		03/21/13 09:07	03/22/13 14:44	1
Pentachlorophenol	0.575	U	2.36	0.575	ug/L		03/21/13 09:07	03/22/13 14:44	1
Phenol	0.0377	U	1.42	0.0377	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4,5-Trichlorophenol	0.236	U	1.89	0.236	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,4,6-Trichlorophenol	0.170	U	1.89	0.170	ug/L		03/21/13 09:07	03/22/13 14:44	1
2,6-Dinitrotoluene	0.0755	U	0.943	0.0755	ug/L		03/21/13 09:07	03/22/13 14:44	1
bis (2-Chloroisopropyl) ether	0.377	U	1.42	0.377	ug/L		03/21/13 09:07	03/22/13 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*40*		*12 - 128*	*03/21/13 09:07*	*03/22/13 14:44*	*1*
Terphenyl-d14	*77*		*33 - 141*	*03/21/13 09:07*	*03/22/13 14:44*	*1*
Nitrobenzene-d5	*73*		*47 - 120*	*03/21/13 09:07*	*03/22/13 14:44*	*1*
2-Fluorophenol	*58*		*18 - 120*	*03/21/13 09:07*	*03/22/13 14:44*	*1*
2-Fluorobiphenyl	*73*		*43 - 120*	*03/21/13 09:07*	*03/22/13 14:44*	*1*
2,4,6-Tribromophenol	*57*		*44 - 123*	*03/21/13 09:07*	*03/22/13 14:44*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.820	U	4.94	0.820	mg/L		03/21/13 08:59	03/22/13 00:14	1
>C12-C28	0.948	U	4.94	0.948	mg/L		03/21/13 08:59	03/22/13 00:14	1
>C28-C35	0.948	U	4.94	0.948	mg/L		03/21/13 08:59	03/22/13 00:14	1
C6-C35	1.54	U	4.94	1.54	mg/L		03/21/13 08:59	03/22/13 00:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*70 - 130*	*03/21/13 08:59*	*03/22/13 00:14*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/21/13 10:20	03/30/13 10:19	1
Cr	**0.00160**	**J b**	0.0100	0.00155	mg/L		03/21/13 10:20	03/30/13 10:19	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/21/13 10:20	03/30/13 10:19	1
Ba	**0.0945**		0.0200	0.00220	mg/L		03/21/13 10:20	03/30/13 10:19	1
As	0.00328	U	0.0100	0.00328	mg/L		03/21/13 10:20	03/30/13 10:19	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/21/13 10:20	03/30/13 10:19	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/21/13 10:20	03/30/13 10:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/22/13 05:56	03/22/13 11:41	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Client Sample ID: Trip Blank
Date Collected: 03/19/13 00:00
Date Received: 03/20/13 09:11

Lab Sample ID: 600-70254-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/20/13 18:44	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 18:44	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/20/13 18:44	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/20/13 18:44	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/20/13 18:44	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/20/13 18:44	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/20/13 18:44	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/20/13 18:44	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/20/13 18:44	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/20/13 18:44	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/20/13 18:44	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/20/13 18:44	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/20/13 18:44	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/20/13 18:44	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/20/13 18:44	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/20/13 18:44	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 18:44	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/20/13 18:44	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/20/13 18:44	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/20/13 18:44	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/20/13 18:44	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/20/13 18:44	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/20/13 18:44	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/20/13 18:44	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/20/13 18:44	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 18:44	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/20/13 18:44	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/20/13 18:44	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/20/13 18:44	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/20/13 18:44	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/20/13 18:44	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/20/13 18:44	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/20/13 18:44	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/20/13 18:44	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/20/13 18:44	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/20/13 18:44	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/20/13 18:44	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/20/13 18:44	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/20/13 18:44	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/20/13 18:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/20/13 18:44*	*1*
Dibromofluoromethane	*112*		*62 - 130*		*03/20/13 18:44*	*1*
4-Bromofluorobenzene	*90*		*67 - 139*		*03/20/13 18:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*50 - 134*		*03/20/13 18:44*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
*	LCS or LCSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-70254-1	VCP-MW-6	101	119	96	123
600-70254-1 MS	VCP-MW-6	103	106	103	119
600-70254-1 MSD	VCP-MW-6	105	106	102	112
600-70254-2	Dup 1	98	124	88	129
600-70254-3	Trip Blank	104	112	90	115
LCS 600-102131/3	Lab Control Sample	106	109	103	129
MB 600-102131/4	Method Blank	100	107	102	132

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPH	NBZ	2FP	FBP	TBP
Lab Sample ID	Client Sample ID	(12-128)	(33-141)	(47-120)	(18-120)	(43-120)	(44-123)
600-70254-1	VCP-MW-6	27	80	77	46	75	60
600-70254-1 MS	VCP-MW-6	32	80	74	48	75	82
600-70254-1 MSD	VCP-MW-6	29	75	69	43	67	68
600-70254-2	Dup 1	40	77	73	58	73	57
LCS 600-102156/2-A	Lab Control Sample	42	95	93	60	92	90
MB 600-102156/1-A	Method Blank	39	80	87	59	81	62

Surrogate Legend

PHL = Phenol-d6
TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-70254-1	VCP-MW-6	86
600-70254-1 MS	VCP-MW-6	96
600-70254-1 MSD	VCP-MW-6	98
600-70254-2	Dup 1	80
LCS 600-102155/2-A	Lab Control Sample	104
MB 600-102155/1-A	Method Blank	86

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-102131/4
Matrix: Water
Analysis Batch: 102131

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/20/13 14:41	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 14:41	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/20/13 14:41	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/20/13 14:41	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/20/13 14:41	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/20/13 14:41	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/20/13 14:41	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/20/13 14:41	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/20/13 14:41	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/20/13 14:41	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/20/13 14:41	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/20/13 14:41	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/20/13 14:41	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/20/13 14:41	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/20/13 14:41	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/20/13 14:41	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 14:41	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/20/13 14:41	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/20/13 14:41	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/20/13 14:41	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/20/13 14:41	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/20/13 14:41	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/20/13 14:41	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/20/13 14:41	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/20/13 14:41	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/20/13 14:41	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/20/13 14:41	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/20/13 14:41	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/20/13 14:41	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/20/13 14:41	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/20/13 14:41	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/20/13 14:41	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/20/13 14:41	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/20/13 14:41	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/20/13 14:41	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/20/13 14:41	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/20/13 14:41	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/20/13 14:41	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/20/13 14:41	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/20/13 14:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*03/20/13 14:41*	*1*
Dibromofluoromethane	*107*		*62 - 130*		*03/20/13 14:41*	*1*
4-Bromofluorobenzene	*102*		*67 - 139*		*03/20/13 14:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*132*		*50 - 134*		*03/20/13 14:41*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-102131/3
Matrix: Water
Analysis Batch: 102131

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.1462		mg/L		146	28 - 152
Benzene	0.0500	0.05135		mg/L		103	69 - 131
Chlorobromomethane	0.0500	0.04736		mg/L		95	60 - 141
Bromoform	0.0500	0.03359		mg/L		67	39 - 149
Bromomethane	0.0500	0.07158		mg/L		143	52 - 146
2-Butanone (MEK)	0.100	0.1211		mg/L		121	59 - 133
Carbon disulfide	0.0500	0.05901		mg/L		118	32 - 177
Carbon tetrachloride	0.0500	0.04350		mg/L		87	59 - 147
Dibromochloromethane	0.0500	0.03916		mg/L		78	58 - 132
Chlorobenzene	0.0500	0.05057		mg/L		101	60 - 136
Chloroethane	0.0500	0.06395		mg/L		128	56 - 144
Chloroform	0.0500	0.05686		mg/L		114	69 - 128
Chloromethane	0.0500	0.06559		mg/L		131	32 - 151
1,1-Dichloroethane	0.0500	0.05127		mg/L		103	66 - 126
1,2-Dichloroethane	0.0500	0.05611		mg/L		112	66 - 140
1,1-Dichloroethene	0.0500	0.05018		mg/L		100	59 - 145
cis-1,2-Dichloroethene	0.0500	0.04345		mg/L		87	69 - 129
trans-1,2-Dichloroethene	0.0500	0.03997		mg/L		80	70 - 132
1,2-Dichloropropane	0.0500	0.05318		mg/L		106	72 - 135
cis-1,3-Dichloropropene	0.0500	0.03956		mg/L		79	60 - 135
trans-1,3-Dichloropropene	0.0500	0.04194		mg/L		84	63 - 133
Ethylbenzene	0.0500	0.05111		mg/L		102	68 - 128
2-Hexanone	0.100	0.06204		mg/L		62	51 - 130
Methylene Chloride	0.0500	0.04297		mg/L		86	62 - 134
4-Methyl-2-pentanone (MIBK)	0.100	0.1023		mg/L		102	56 - 142
Styrene	0.0500	0.04507		mg/L		90	68 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.05638		mg/L		113	68 - 134
Tetrachloroethene	0.0500	0.04486		mg/L		90	70 - 150
Toluene	0.0500	0.05024		mg/L		100	67 - 130
1,1,1-Trichloroethane	0.0500	0.04710		mg/L		94	65 - 142
1,1,2-Trichloroethane	0.0500	0.05146		mg/L		103	68 - 130
Trichloroethene	0.0500	0.04435		mg/L		89	68 - 130
Vinyl acetate	0.0500	0.05666		mg/L		113	58 - 175
Vinyl chloride	0.0500	0.05929		mg/L		119	47 - 146
o-Xylene	0.0500	0.04937		mg/L		99	68 - 134
m-Xylene & p-Xylene	0.100	0.09294		mg/L		93	67 - 132
Xylenes, Total	0.150	0.1423		mg/L		95	68 - 132
Bromodichloromethane	0.0500	0.04874		mg/L		97	73 - 130
1,2-Dichloroethene, Total	0.100	0.08342		mg/L		83	65 - 127
Methyl tert-butyl ether	0.0500	0.04308		mg/L		86	63 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*70 - 130*
Dibromofluoromethane	*109*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*129*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70254-1 MS
Matrix: Water
Analysis Batch: 102131

Client Sample ID: VCP-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00227	U	0.100	0.1302		mg/L		130	28 - 152
Benzene	0.000560	U	0.0500	0.06058		mg/L		121	51 - 152
Chlorobromomethane	0.000810	U	0.0500	0.04912		mg/L		98	61 - 150
Bromoform	0.000770	U	0.0500	0.03465		mg/L		69	34 - 166
Bromomethane	0.00215	U	0.0500	0.07997	N	mg/L		160	52 - 146
2-Butanone (MEK)	0.00157	U	0.100	0.09615		mg/L		96	17 - 153
Carbon disulfide	0.00170	U	0.0500	0.05552		mg/L		111	11 - 174
Carbon tetrachloride	0.000920	U	0.0500	0.04740		mg/L		95	49 - 176
Dibromochloromethane	0.000920	U	0.0500	0.03726		mg/L		75	41 - 178
Chlorobenzene	0.000820	U	0.0500	0.06113		mg/L		122	74 - 148
Chloroethane	0.00173	U	0.0500	0.07002		mg/L		140	56 - 144
Chloroform	0.000820	U	0.0500	0.06051		mg/L		121	70 - 148
Chloromethane	0.000850	U	0.0500	0.07136		mg/L		143	32 - 151
1,1-Dichloroethane	0.000500	U	0.0500	0.06076		mg/L		122	55 - 150
1,2-Dichloroethane	0.00101	U	0.0500	0.06536		mg/L		131	64 - 158
1,1-Dichloroethene	0.000760	U	0.0500	0.05305		mg/L		106	46 - 168
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.05115		mg/L		102	48 - 145
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.05363		mg/L		107	40 - 164
1,2-Dichloropropane	0.00141	U	0.0500	0.05840		mg/L		117	47 - 147
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.03703		mg/L		74	63 - 144
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.04332		mg/L		87	72 - 150
Ethylbenzene	0.00129	U	0.0500	0.05737		mg/L		115	75 - 152
2-Hexanone	0.00142	U	0.100	0.07018		mg/L		70	38 - 136
Methylene Chloride	0.00143	U	0.0500	0.04481		mg/L		90	14 - 175
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1030		mg/L		103	35 - 152
Styrene	0.000560	U	0.0500	0.04771		mg/L		95	68 - 133
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05741		mg/L		115	10 - 179
Tetrachloroethene	0.00124	U	0.0500	0.05518		mg/L		110	38 - 220
Toluene	0.000550	U	0.0500	0.05346		mg/L		107	67 - 130
1,1,1-Trichloroethane	0.000980	U	0.0500	0.05740		mg/L		115	66 - 158
1,1,2-Trichloroethane	0.000530	U	0.0500	0.04928		mg/L		99	75 - 136
Trichloroethene	0.00158	U	0.0500	0.05497		mg/L		110	45 - 189
Vinyl acetate	0.000600	U	0.0500	0.05674		mg/L		113	58 - 175
Vinyl chloride	0.000850	U	0.0500	0.06497		mg/L		130	59 - 138
o-Xylene	0.000930	U	0.0500	0.05984		mg/L		120	49 - 180
m-Xylene & p-Xylene	0.00126	U	0.100	0.1069		mg/L		107	67 - 132
Xylenes, Total	0.00198	U	0.150	0.1667		mg/L		111	10 - 226
Bromodichloromethane	0.000760	U	0.0500	0.05372		mg/L		107	72 - 153
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1048		mg/L		105	45 - 153
Methyl tert-butyl ether	0.000440	U	0.0500	0.04486		mg/L		90	37 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*103*		*70 - 130*
Dibromofluoromethane	*106*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*119*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70254-1 MSD
Matrix: Water
Analysis Batch: 102131

Client Sample ID: VCP-MW-6
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00227	U	0.100	0.1263		mg/L		126	28 - 152	3	25
Benzene	0.000560	U	0.0500	0.06052		mg/L		121	51 - 152	0	21
Chlorobromomethane	0.000810	U	0.0500	0.04545		mg/L		91	61 - 150	8	25
Bromoform	0.000770	U	0.0500	0.03454		mg/L		69	34 - 166	0	25
Bromomethane	0.00215	U	0.0500	0.08139	N	mg/L		163	52 - 146	2	25
2-Butanone (MEK)	0.00157	U	0.100	0.1043		mg/L		104	17 - 153	8	25
Carbon disulfide	0.00170	U	0.0500	0.05836		mg/L		117	11 - 174	5	25
Carbon tetrachloride	0.000920	U	0.0500	0.04674		mg/L		93	49 - 176	1	25
Dibromochloromethane	0.000920	U	0.0500	0.04528		mg/L		91	41 - 178	19	25
Chlorobenzene	0.000820	U	0.0500	0.06282		mg/L		126	74 - 148	3	21
Chloroethane	0.00173	U	0.0500	0.07531	N	mg/L		151	56 - 144	7	25
Chloroform	0.000820	U	0.0500	0.06186		mg/L		124	70 - 148	2	25
Chloromethane	0.000850	U	0.0500	0.07798	N	mg/L		156	32 - 151	9	25
1,1-Dichloroethane	0.000500	U	0.0500	0.06359		mg/L		127	55 - 150	5	25
1,2-Dichloroethane	0.00101	U	0.0500	0.06245		mg/L		125	64 - 158	5	25
1,1-Dichloroethene	0.000760	U	0.0500	0.04563		mg/L		91	46 - 168	15	22
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.05214		mg/L		104	48 - 145	2	25
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.05440		mg/L		109	40 - 164	1	25
1,2-Dichloropropane	0.00141	U	0.0500	0.06367		mg/L		127	47 - 147	9	25
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.03900		mg/L		78	63 - 144	5	25
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.04733		mg/L		95	72 - 150	9	25
Ethylbenzene	0.00129	U	0.0500	0.05446		mg/L		109	75 - 152	5	25
2-Hexanone	0.00142	U	0.100	0.06358		mg/L		64	38 - 136	10	25
Methylene Chloride	0.00143	U	0.0500	0.04510		mg/L		90	14 - 175	1	25
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1067		mg/L		107	35 - 152	4	25
Styrene	0.000560	U	0.0500	0.05027		mg/L		101	68 - 133	5	25
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05862		mg/L		117	10 - 179	2	25
Tetrachloroethene	0.00124	U	0.0500	0.05296		mg/L		106	38 - 220	4	25
Toluene	0.000550	U	0.0500	0.05508		mg/L		110	67 - 130	3	21
1,1,1-Trichloroethane	0.000980	U	0.0500	0.06176		mg/L		124	66 - 158	7	25
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05429		mg/L		109	75 - 136	10	25
Trichloroethene	0.00158	U	0.0500	0.05644		mg/L		113	45 - 189	3	24
Vinyl acetate	0.000600	U	0.0500	0.05562		mg/L		111	58 - 175	2	25
Vinyl chloride	0.000850	U	0.0500	0.06893		mg/L		138	59 - 138	6	25
o-Xylene	0.000930	U	0.0500	0.06112		mg/L		122	49 - 180	2	25
m-Xylene & p-Xylene	0.00126	U	0.100	0.1143		mg/L		114	67 - 132	7	25
Xylenes, Total	0.00198	U	0.150	0.1754		mg/L		117	10 - 226	5	25
Bromodichloromethane	0.000760	U	0.0500	0.05932		mg/L		119	72 - 153	10	25
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1065		mg/L		107	45 - 153	2	25
Methyl tert-butyl ether	0.000440	U	0.0500	0.04594		mg/L		92	37 - 135	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*105*		*70 - 130*
Dibromofluoromethane	*106*		*62 - 130*
4-Bromofluorobenzene	*102*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*112*		*50 - 134*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-102156/1-A
Matrix: Water
Analysis Batch: 102440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102156

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0800	U	1.00	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Acenaphthylene	0.0600	U	1.00	0.0600	ug/L		03/21/13 09:07	03/22/13 12:30	1
Anthracene	0.0500	U	1.00	0.0500	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzidine	0.610	U	10.0	0.610	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzo[a]anthracene	0.0800	U	2.00	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzo[b]fluoranthene	0.0700	U	2.00	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzo[k]fluoranthene	0.0900	U	2.00	0.0900	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzo[g,h,i]perylene	0.0800	U	2.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzo[a]pyrene	0.0800	U	1.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Bis(2-chloroethoxy)methane	0.130	U	1.50	0.130	ug/L		03/21/13 09:07	03/22/13 12:30	1
Bis(2-chloroethyl)ether	0.150	U	1.50	0.150	ug/L		03/21/13 09:07	03/22/13 12:30	1
Bis(2-ethylhexyl) phthalate	0.370	U	2.50	0.370	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Bromophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		03/21/13 09:07	03/22/13 12:30	1
Butyl benzyl phthalate	0.120	U	2.50	0.120	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Chloroaniline	0.210	U	1.00	0.210	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Chloronaphthalene	0.0800	U	1.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Chlorophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		03/21/13 09:07	03/22/13 12:30	1
Carbazole	0.170	U	6.25	0.170	ug/L		03/21/13 09:07	03/22/13 12:30	1
Chrysene	0.0800	U	1.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Di-n-butyl phthalate	0.110	U	2.50	0.110	ug/L		03/21/13 09:07	03/22/13 12:30	1
Dibenz(a,h)anthracene	0.0800	U	2.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
Dibenzofuran	0.0800	U	1.50	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
1,2-Dichlorobenzene	0.170	U	1.75	0.170	ug/L		03/21/13 09:07	03/22/13 12:30	1
1,3-Dichlorobenzene	0.170	U	1.50	0.170	ug/L		03/21/13 09:07	03/22/13 12:30	1
1,4-Dichlorobenzene	0.130	U	2.00	0.130	ug/L		03/21/13 09:07	03/22/13 12:30	1
3,3'-Dichlorobenzidine	0.180	U	10.0	0.180	ug/L		03/21/13 09:07	03/22/13 12:30	1
Diethyl phthalate	1.50	U	2.50	1.50	ug/L		03/21/13 09:07	03/22/13 12:30	1
Dimethyl phthalate	0.0700	U	2.50	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4-Dinitrotoluene	0.130	U	1.50	0.130	ug/L		03/21/13 09:07	03/22/13 12:30	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/21/13 09:07	03/22/13 12:30	1
Fluoranthene	0.0700	U	2.50	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
Fluorene	0.0700	U	1.50	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
Hexachlorobenzene	0.110	U	1.50	0.110	ug/L		03/21/13 09:07	03/22/13 12:30	1
Hexachlorocyclopentadiene	0.130	U	1.50	0.130	ug/L		03/21/13 09:07	03/22/13 12:30	1
Hexachloroethane	0.100	U	2.00	0.100	ug/L		03/21/13 09:07	03/22/13 12:30	1
Hexachlorobutadiene	0.180	U	2.00	0.180	ug/L		03/21/13 09:07	03/22/13 12:30	1
Indeno[1,2,3-cd]pyrene	0.0700	U	2.00	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
Isophorone	0.110	U	1.50	0.110	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Methylnaphthalene	0.0700	U	1.50	0.0700	ug/L		03/21/13 09:07	03/22/13 12:30	1
Naphthalene	0.0800	U	5.00	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Nitroaniline	0.190	U	2.50	0.190	ug/L		03/21/13 09:07	03/22/13 12:30	1
3-Nitroaniline	0.160	U	2.50	0.160	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Nitroaniline	0.250	U	2.50	0.250	ug/L		03/21/13 09:07	03/22/13 12:30	1
Nitrobenzene	0.110	U	1.50	0.110	ug/L		03/21/13 09:07	03/22/13 12:30	1
N-Nitrosodimethylamine	0.260	U	2.00	0.260	ug/L		03/21/13 09:07	03/22/13 12:30	1
N-Nitrosodiphenylamine	0.100	U	1.50	0.100	ug/L		03/21/13 09:07	03/22/13 12:30	1
N-Nitrosodi-n-propylamine	0.100	U	2.50	0.100	ug/L		03/21/13 09:07	03/22/13 12:30	1
Phenanthrene	0.0600	U	1.50	0.0600	ug/L		03/21/13 09:07	03/22/13 12:30	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-102156/1-A
Matrix: Water
Analysis Batch: 102440

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102156

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.110	U	2.00	0.110	ug/L		03/21/13 09:07	03/22/13 12:30	1
1,2,4-Trichlorobenzene	0.120	U	2.00	0.120	ug/L		03/21/13 09:07	03/22/13 12:30	1
Benzyl alcohol	0.170	U	5.50	0.170	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Chloro-3-methylphenol	0.170	U	1.00	0.170	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Chlorophenol	0.130	U	2.00	0.130	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Methylphenol	0.120	U	1.50	0.120	ug/L		03/21/13 09:07	03/22/13 12:30	1
3 & 4 Methylphenol	0.200	U	1.00	0.200	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4-Dichlorophenol	0.150	U	2.50	0.150	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4-Dimethylphenol	0.310	U	2.50	0.310	ug/L		03/21/13 09:07	03/22/13 12:30	1
4,6-Dinitro-2-methylphenol	0.830	U	2.50	0.830	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4-Dinitrophenol	0.390	U	5.00	0.390	ug/L		03/21/13 09:07	03/22/13 12:30	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/21/13 09:07	03/22/13 12:30	1
4-Nitrophenol	0.560	U	2.50	0.560	ug/L		03/21/13 09:07	03/22/13 12:30	1
Pentachlorophenol	0.610	U	2.50	0.610	ug/L		03/21/13 09:07	03/22/13 12:30	1
Phenol	0.0400	U	1.50	0.0400	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4,5-Trichlorophenol	0.250	U	2.00	0.250	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,4,6-Trichlorophenol	0.180	U	2.00	0.180	ug/L		03/21/13 09:07	03/22/13 12:30	1
2,6-Dinitrotoluene	0.0800	U	1.00	0.0800	ug/L		03/21/13 09:07	03/22/13 12:30	1
bis (2-Chloroisopropyl) ether	0.400	U	1.50	0.400	ug/L		03/21/13 09:07	03/22/13 12:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*39*		*12 - 128*	*03/21/13 09:07*	*03/22/13 12:30*	*1*
Terphenyl-d14	*80*		*33 - 141*	*03/21/13 09:07*	*03/22/13 12:30*	*1*
Nitrobenzene-d5	*87*		*47 - 120*	*03/21/13 09:07*	*03/22/13 12:30*	*1*
2-Fluorophenol	*59*		*18 - 120*	*03/21/13 09:07*	*03/22/13 12:30*	*1*
2-Fluorobiphenyl	*81*		*43 - 120*	*03/21/13 09:07*	*03/22/13 12:30*	*1*
2,4,6-Tribromophenol	*62*		*44 - 123*	*03/21/13 09:07*	*03/22/13 12:30*	*1*

Lab Sample ID: LCS 600-102156/2-A
Matrix: Water
Analysis Batch: 102440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	8.554		ug/L		86	47 - 145
Acenaphthylene	10.0	8.909		ug/L		89	35 - 135
Anthracene	10.0	10.22		ug/L		102	53 - 124
Benzidine	200	54.85		ug/L		27	10 - 120
Benzo[a]anthracene	10.0	8.737		ug/L		87	53 - 122
Benzo[b]fluoranthene	10.0	9.172		ug/L		92	53 - 131
Benzo[k]fluoranthene	10.0	9.133		ug/L		91	46 - 130
Benzo[g,h,i]perylene	10.0	9.149		ug/L		91	46 - 133
Benzo[a]pyrene	10.0	8.809		ug/L		88	50 - 124
Bis(2-chloroethoxy)methane	10.0	9.923		ug/L		99	42 - 119
Bis(2-chloroethyl)ether	10.0	7.324		ug/L		73	40 - 112
Bis(2-ethylhexyl) phthalate	10.0	9.670		ug/L		97	47 - 132
4-Bromophenyl phenyl ether	10.0	9.728		ug/L		97	46 - 129
Butyl benzyl phthalate	10.0	10.19		ug/L		102	50 - 126
4-Chloroaniline	10.0	12.60		ug/L		126	19 - 129

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102156/2-A
Matrix: Water
Analysis Batch: 102440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	10.0	8.602		ug/L		86	43 - 120
4-Chlorophenyl phenyl ether	10.0	7.741		ug/L		77	48 - 125
Carbazole	10.0	11.64		ug/L		116	42 - 169
Chrysene	10.0	8.967		ug/L		90	49 - 124
Di-n-butyl phthalate	10.0	10.08		ug/L		101	54 - 138
Dibenz(a,h)anthracene	10.0	9.788		ug/L		98	42 - 134
Dibenzofuran	10.0	8.280		ug/L		83	46 - 123
1,2-Dichlorobenzene	10.0	7.684		ug/L		77	40 - 121
1,3-Dichlorobenzene	10.0	7.649		ug/L		76	39 - 122
1,4-Dichlorobenzene	10.0	7.774		ug/L		78	45 - 124
3,3'-Dichlorobenzidine	10.0	7.322	J	ug/L		73	38 - 168
Diethyl phthalate	10.0	8.259		ug/L		83	51 - 123
Dimethyl phthalate	10.0	8.679		ug/L		87	49 - 121
2,4-Dinitrotoluene	10.0	8.992		ug/L		90	43 - 128
Di-n-octyl phthalate	10.0	9.599		ug/L		96	27 - 157
Fluoranthene	10.0	10.31		ug/L		103	53 - 127
Fluorene	10.0	8.041		ug/L		80	48 - 127
Hexachlorobenzene	10.0	9.362		ug/L		94	46 - 129
Hexachlorocyclopentadiene	10.0	5.299		ug/L		53	21 - 126
Hexachloroethane	10.0	7.476		ug/L		75	43 - 118
Hexachlorobutadiene	10.0	7.886		ug/L		79	32 - 143
Indeno[1,2,3-cd]pyrene	10.0	9.241		ug/L		92	45 - 124
Isophorone	10.0	9.282		ug/L		93	42 - 116
2-Methylnaphthalene	10.0	8.278		ug/L		83	40 - 121
Naphthalene	10.0	9.858		ug/L		99	39 - 120
2-Nitroaniline	10.0	11.07		ug/L		111	42 - 130
3-Nitroaniline	10.0	19.91	*	ug/L		199	47 - 138
4-Nitroaniline	10.0	10.73		ug/L		107	32 - 139
Nitrobenzene	10.0	9.006		ug/L		90	42 - 119
N-Nitrosodimethylamine	10.0	6.022		ug/L		60	26 - 104
N-Nitrosodiphenylamine	10.0	10.63		ug/L		106	43 - 107
N-Nitrosodi-n-propylamine	10.0	8.691		ug/L		87	39 - 124
Phenanthrene	10.0	9.532		ug/L		95	52 - 121
Pyrene	10.0	9.091		ug/L		91	49 - 121
1,2,4-Trichlorobenzene	10.0	8.288		ug/L		83	38 - 118
Benzyl alcohol	10.0	7.532		ug/L		75	39 - 115
4-Chloro-3-methylphenol	10.0	9.215		ug/L		92	44 - 131
2-Chlorophenol	10.0	8.281		ug/L		83	23 - 134
2-Methylphenol	10.0	7.123		ug/L		71	34 - 109
3 & 4 Methylphenol	10.0	6.915		ug/L		69	27 - 113
2,4-Dichlorophenol	10.0	8.876		ug/L		89	39 - 118
2,4-Dimethylphenol	10.0	8.329		ug/L		83	36 - 109
4,6-Dinitro-2-methylphenol	10.0	9.164		ug/L		92	24 - 122
2,4-Dinitrophenol	10.0	11.94		ug/L		119	23 - 130
2-Nitrophenol	10.0	9.576		ug/L		96	40 - 121
4-Nitrophenol	10.0	4.196		ug/L		42	14 - 132
Pentachlorophenol	10.0	7.620		ug/L		76	9 - 147
Phenol	10.0	4.377		ug/L		44	11 - 112

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102156/2-A
Matrix: Water
Analysis Batch: 102440

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	10.0	8.660		ug/L		87	38 - 145
2,4,6-Trichlorophenol	10.0	8.636		ug/L		86	39 - 123
2,6-Dinitrotoluene	10.0	9.224		ug/L		92	45 - 122
bis (2-Chloroisopropyl) ether	10.0	10.72		ug/L		107	41 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*42*		*12 - 128*
Terphenyl-d14	*95*		*33 - 141*
Nitrobenzene-d5	*93*		*47 - 120*
2-Fluorophenol	*60*		*18 - 120*
2-Fluorobiphenyl	*92*		*43 - 120*
2,4,6-Tribromophenol	*90*		*44 - 123*

Lab Sample ID: 600-70254-1 MS
Matrix: Water
Analysis Batch: 102440

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0755	U	9.43	6.720		ug/L		71	46 - 118
Acenaphthylene	0.0566	U	9.43	7.062		ug/L		75	38 - 115
Anthracene	0.0472	U	9.43	8.164		ug/L		87	35 - 116
Benzidine	0.575	U	189	62.82		ug/L		33	0 - 150
Benzo[a]anthracene	0.0755	U	9.43	6.788		ug/L		72	24 - 126
Benzo[b]fluoranthene	0.0660	U	9.43	7.054		ug/L		75	31 - 119
Benzo[k]fluoranthene	0.0849	U	9.43	7.563		ug/L		80	29 - 117
Benzo[g,h,i]perylene	0.0755	U	9.43	7.488		ug/L		79	10 - 123
Benzo[a]pyrene	0.0755	U	9.43	7.025		ug/L		74	60 - 140
Bis(2-chloroethoxy)methane	0.123	U	9.43	7.344		ug/L		78	42 - 101
Bis(2-chloroethyl)ether	0.142	U	9.43	5.412		ug/L		57	20 - 107
Bis(2-ethylhexyl) phthalate	0.349	U	9.43	7.549		ug/L		80	14 - 123
4-Bromophenyl phenyl ether	0.0943	U	9.43	7.305		ug/L		77	50 - 113
Butyl benzyl phthalate	0.113	U	9.43	8.090		ug/L		86	36 - 144
4-Chloroaniline	0.198	U	9.43	10.26		ug/L		109	49 - 151
2-Chloronaphthalene	0.0755	U	9.43	6.734		ug/L		71	42 - 100
4-Chlorophenyl phenyl ether	0.0943	U	9.43	6.298		ug/L		67	41 - 116
Carbazole	0.160	U	9.43	10.27		ug/L		109	30 - 130
Chrysene	0.0755	U	9.43	7.096		ug/L		75	23 - 128
Di-n-butyl phthalate	0.131	J	9.43	7.718		ug/L		80	31 - 137
Dibenz(a,h)anthracene	0.0755	U	9.43	8.188		ug/L		87	62 - 138
Dibenzofuran	0.0755	U	9.43	6.630		ug/L		70	46 - 110
1,2-Dichlorobenzene	0.160	U	9.43	5.745		ug/L		61	42 - 96
1,3-Dichlorobenzene	0.160	U	9.43	5.683		ug/L		60	40 - 95
1,4-Dichlorobenzene	0.123	U	9.43	5.748		ug/L		61	36 - 99
3,3'-Dichlorobenzidine	0.170	U	9.43	3.575	J	ug/L		38	33 - 167
Diethyl phthalate	1.42	U	9.43	6.771		ug/L		72	60 - 140
Dimethyl phthalate	0.0660	U	9.43	6.889		ug/L		73	51 - 120
2,4-Dinitrotoluene	0.123	U	9.43	6.867		ug/L		73	41 - 125
Di-n-octyl phthalate	0.151	U	9.43	8.148		ug/L		86	30 - 170

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70254-1 MS
Matrix: Water
Analysis Batch: 102440

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0660	U	9.43	8.143		ug/L		86	14 - 145
Fluorene	0.0660	U	9.43	6.602		ug/L		70	44 - 112
Hexachlorobenzene	0.104	U	9.43	7.471		ug/L		79	29 - 126
Hexachlorocyclopentadiene	0.123	U	9.43	3.575		ug/L		38	10 - 109
Hexachloroethane	0.0943	U	9.43	5.414		ug/L		57	35 - 101
Hexachlorobutadiene	0.170	U	9.43	5.948		ug/L		63	36 - 101
Indeno[1,2,3-cd]pyrene	0.0660	U	9.43	7.560		ug/L		80	60 - 140
Isophorone	0.104	U	9.43	6.928		ug/L		73	45 - 109
2-Methylnaphthalene	0.0660	U	9.43	6.208		ug/L		66	36 - 111
Naphthalene	0.0755	U	9.43	7.506		ug/L		80	34 - 99
2-Nitroaniline	0.179	U	9.43	8.579		ug/L		91	30 - 130
3-Nitroaniline	0.151	U *	9.43	16.69	N	ug/L		177	30 - 130
4-Nitroaniline	0.236	U	9.43	10.55		ug/L		112	46 - 154
Nitrobenzene	0.104	U	9.43	6.737		ug/L		71	37 - 104
N-Nitrosodimethylamine	0.245	U	9.43	5.280		ug/L		56	30 - 130
N-Nitrosodiphenylamine	0.0943	U	9.43	8.543		ug/L		91	58 - 142
N-Nitrosodi-n-propylamine	0.0943	U	9.43	6.413		ug/L		68	44 - 110
Phenanthrene	0.0566	U	9.43	7.660		ug/L		81	41 - 117
Pyrene	0.104	U	9.43	7.278		ug/L		77	28 - 133
1,2,4-Trichlorobenzene	0.113	U	9.43	6.209		ug/L		66	39 - 98
Benzyl alcohol	0.160	U	9.43	5.819		ug/L		62	17 - 111
4-Chloro-3-methylphenol	0.160	U	9.43	7.112		ug/L		75	67 - 133
2-Chlorophenol	0.123	U	9.43	6.072		ug/L		64	36 - 96
2-Methylphenol	0.113	U	9.43	5.112		ug/L		54	22 - 94
3 & 4 Methylphenol	0.189	U	9.43	5.144		ug/L		55	12 - 111
2,4-Dichlorophenol	0.142	U	9.43	6.658		ug/L		71	40 - 106
2,4-Dimethylphenol	0.292	U	9.43	6.161		ug/L		65	25 - 85
4,6-Dinitro-2-methylphenol	0.783	U	9.43	7.231		ug/L		77	28 - 128
2,4-Dinitrophenol	0.368	U	9.43	11.28		ug/L		120	40 - 140
2-Nitrophenol	0.208	U	9.43	7.122		ug/L		75	48 - 100
4-Nitrophenol	0.528	U	9.43	3.805		ug/L		40	10 - 100
Pentachlorophenol	0.575	U	9.43	6.132		ug/L		65	45 - 155
Phenol	0.0377	U	9.43	3.213		ug/L		34	10 - 62
2,4,5-Trichlorophenol	0.236	U	9.43	7.300		ug/L		77	45 - 116
2,4,6-Trichlorophenol	0.170	U	9.43	6.805		ug/L		72	62 - 107
2,6-Dinitrotoluene	0.0755	U	9.43	7.462		ug/L		79	47 - 118
bis (2-Chloroisopropyl) ether	0.377	U	9.43	7.870		ug/L		83	41 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*32*		*12 - 128*
Terphenyl-d14	*80*		*33 - 141*
Nitrobenzene-d5	*74*		*47 - 120*
2-Fluorophenol	*48*		*18 - 120*
2-Fluorobiphenyl	*75*		*43 - 120*
2,4,6-Tribromophenol	*82*		*44 - 123*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70254-1 MSD
Matrix: Water
Analysis Batch: 102440

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102156

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0755	U	9.43	6.072		ug/L		64	46 - 118	10	20
Acenaphthylene	0.0566	U	9.43	6.480		ug/L		69	38 - 115	9	20
Anthracene	0.0472	U	9.43	7.918		ug/L		84	35 - 116	3	20
Benzidine	0.575	U	189	54.82		ug/L		29	0 - 150	14	40
Benzo[a]anthracene	0.0755	U	9.43	6.584		ug/L		70	24 - 126	3	20
Benzo[b]fluoranthene	0.0660	U	9.43	7.190		ug/L		76	31 - 119	2	20
Benzo[k]fluoranthene	0.0849	U	9.43	6.841		ug/L		73	29 - 117	10	20
Benzo[g,h,i]perylene	0.0755	U	9.43	7.156		ug/L		76	10 - 123	5	20
Benzo[a]pyrene	0.0755	U	9.43	6.632		ug/L		70	60 - 140	6	20
Bis(2-chloroethoxy)methane	0.123	U	9.43	6.919		ug/L		73	42 - 101	6	20
Bis(2-chloroethyl)ether	0.142	U	9.43	5.044		ug/L		53	20 - 107	7	20
Bis(2-ethylhexyl) phthalate	0.349	U	9.43	7.166		ug/L		76	14 - 123	5	20
4-Bromophenyl phenyl ether	0.0943	U	9.43	7.119		ug/L		75	50 - 113	3	20
Butyl benzyl phthalate	0.113	U	9.43	7.553		ug/L		80	36 - 144	7	20
4-Chloroaniline	0.198	U	9.43	9.121		ug/L		97	49 - 151	12	20
2-Chloronaphthalene	0.0755	U	9.43	6.163		ug/L		65	42 - 100	9	20
4-Chlorophenyl phenyl ether	0.0943	U	9.43	5.607		ug/L		59	41 - 116	12	20
Carbazole	0.160	U	9.43	9.131		ug/L		97	30 - 130	12	20
Chrysene	0.0755	U	9.43	6.854		ug/L		73	23 - 128	3	20
Di-n-butyl phthalate	0.131	J	9.43	7.470		ug/L		78	31 - 137	3	20
Dibenz(a,h)anthracene	0.0755	U	9.43	7.543		ug/L		80	62 - 138	8	20
Dibenzofuran	0.0755	U	9.43	6.093		ug/L		65	46 - 110	8	20
1,2-Dichlorobenzene	0.160	U	9.43	5.369		ug/L		57	42 - 96	7	20
1,3-Dichlorobenzene	0.160	U	9.43	5.356		ug/L		57	40 - 95	6	20
1,4-Dichlorobenzene	0.123	U	9.43	5.495		ug/L		58	36 - 99	4	20
3,3'-Dichlorobenzidine	0.170	U	9.43	2.900	J N	ug/L		31	33 - 167	21	20
Diethyl phthalate	1.42	U	9.43	6.297		ug/L		67	60 - 140	7	20
Dimethyl phthalate	0.0660	U	9.43	6.515		ug/L		69	51 - 120	6	20
2,4-Dinitrotoluene	0.123	U	9.43	6.781		ug/L		72	41 - 125	1	20
Di-n-octyl phthalate	0.151	U	9.43	7.368		ug/L		78	30 - 170	10	20
Fluoranthene	0.0660	U	9.43	7.898		ug/L		84	14 - 145	3	20
Fluorene	0.0660	U	9.43	5.978		ug/L		63	44 - 112	10	20
Hexachlorobenzene	0.104	U	9.43	7.119		ug/L		75	29 - 126	5	20
Hexachlorocyclopentadiene	0.123	U	9.43	3.228		ug/L		34	10 - 109	10	20
Hexachloroethane	0.0943	U	9.43	5.019		ug/L		53	35 - 101	8	20
Hexachlorobutadiene	0.170	U	9.43	5.333		ug/L		57	36 - 101	11	20
Indeno[1,2,3-cd]pyrene	0.0660	U	9.43	7.140		ug/L		76	60 - 140	6	20
Isophorone	0.104	U	9.43	6.417		ug/L		68	45 - 109	8	20
2-Methylnaphthalene	0.0660	U	9.43	5.826		ug/L		62	36 - 111	6	20
Naphthalene	0.0755	U	9.43	6.982		ug/L		74	34 - 99	7	20
2-Nitroaniline	0.179	U	9.43	8.346		ug/L		88	30 - 130	3	20
3-Nitroaniline	0.151	U *	9.43	16.46	N	ug/L		174	30 - 130	1	20
4-Nitroaniline	0.236	U	9.43	10.30		ug/L		109	46 - 154	2	20
Nitrobenzene	0.104	U	9.43	6.289		ug/L		67	37 - 104	7	20
N-Nitrosodimethylamine	0.245	U	9.43	4.487		ug/L		48	30 - 130	16	20
N-Nitrosodiphenylamine	0.0943	U	9.43	8.100		ug/L		86	58 - 142	5	20
N-Nitrosodi-n-propylamine	0.0943	U	9.43	5.848		ug/L		62	44 - 110	9	20
Phenanthrene	0.0566	U	9.43	7.356		ug/L		78	41 - 117	4	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70254-1 MSD | **Client Sample ID: VCP-MW-6**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 102440 | **Prep Batch: 102156**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.104	U	9.43	6.924		ug/L		73	28 - 133	5	20
1,2,4-Trichlorobenzene	0.113	U	9.43	5.787		ug/L		61	39 - 98	7	20
Benzyl alcohol	0.160	U	9.43	5.308		ug/L		56	17 - 111	9	20
4-Chloro-3-methylphenol	0.160	U	9.43	6.689		ug/L		71	67 - 133	6	20
2-Chlorophenol	0.123	U	9.43	5.817		ug/L		62	36 - 96	4	20
2-Methylphenol	0.113	U	9.43	4.939		ug/L		52	22 - 94	3	20
3 & 4 Methylphenol	0.189	U	9.43	4.733		ug/L		50	12 - 111	8	20
2,4-Dichlorophenol	0.142	U	9.43	6.144		ug/L		65	40 - 106	8	20
2,4-Dimethylphenol	0.292	U	9.43	5.779		ug/L		61	25 - 85	6	20
4,6-Dinitro-2-methylphenol	0.783	U	9.43	6.689		ug/L		71	28 - 128	8	20
2,4-Dinitrophenol	0.368	U	9.43	11.30		ug/L		120	40 - 140	0	20
2-Nitrophenol	0.208	U	9.43	6.613		ug/L		70	48 - 100	7	20
4-Nitrophenol	0.528	U	9.43	3.332		ug/L		35	10 - 100	13	20
Pentachlorophenol	0.575	U	9.43	6.279		ug/L		67	45 - 155	2	20
Phenol	0.0377	U	9.43	2.959		ug/L		31	10 - 62	8	20
2,4,5-Trichlorophenol	0.236	U	9.43	6.480		ug/L		69	45 - 116	12	20
2,4,6-Trichlorophenol	0.170	U	9.43	5.941		ug/L		63	62 - 107	14	20
2,6-Dinitrotoluene	0.0755	U	9.43	6.955		ug/L		74	47 - 118	7	20
bis (2-Chloroisopropyl) ether	0.377	U	9.43	7.422		ug/L		79	41 - 111	6	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*29*		*12 - 128*
Terphenyl-d14	*75*		*33 - 141*
Nitrobenzene-d5	*69*		*47 - 120*
2-Fluorophenol	*43*		*18 - 120*
2-Fluorobiphenyl	*67*		*43 - 120*
2,4,6-Tribromophenol	*68*		*44 - 123*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-102155/1-A | **Client Sample ID: Method Blank**
Matrix: Water | **Prep Type: Total/NA**
Analysis Batch: 102294 | **Prep Batch: 102155**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.830	U	5.00	0.830	mg/L		03/21/13 08:59	03/21/13 16:53	1
>C12-C28	0.960	U	5.00	0.960	mg/L		03/21/13 08:59	03/21/13 16:53	1
>C28-C35	0.960	U	5.00	0.960	mg/L		03/21/13 08:59	03/21/13 16:53	1
C6-C35	1.56	U	5.00	1.56	mg/L		03/21/13 08:59	03/21/13 16:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*70 - 130*	*03/21/13 08:59*	*03/21/13 16:53*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 600-102155/2-A
Matrix: Water
Analysis Batch: 102294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102155

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			33.3	32.56		mg/L		98	75 - 125		
>C12-C28			33.3	36.14		mg/L		108	75 - 125		
C6-C35			66.7	68.70		mg/L		103	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*104*		*70 - 130*

Lab Sample ID: 600-70254-1 MS
Matrix: Water
Analysis Batch: 102294

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102155

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12	0.822	U	32.6	32.42		mg/L		99	75 - 125		
>C12-C28	0.951	U	32.6	35.50		mg/L		109	75 - 125		
C6-C35	1.55	U	65.3	67.92		mg/L		104	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*96*		*70 - 130*

Lab Sample ID: 600-70254-1 MSD
Matrix: Water
Analysis Batch: 102294

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102155

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	0.822	U	32.7	31.76		mg/L		97	75 - 125	2	20
>C12-C28	0.951	U	32.7	36.73		mg/L		112	75 - 125	3	20
C6-C35	1.55	U	65.4	68.49		mg/L		105	75 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*98*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102173/1-A
Matrix: Water
Analysis Batch: 102920

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102173

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/21/13 10:20	03/30/13 09:54	1
Cr	0.001900	J	0.0100	0.00155	mg/L		03/21/13 10:20	03/30/13 09:54	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/21/13 10:20	03/30/13 09:54	1
Ba	0.00220	U	0.0200	0.00220	mg/L		03/21/13 10:20	03/30/13 09:54	1
As	0.00328	U	0.0100	0.00328	mg/L		03/21/13 10:20	03/30/13 09:54	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/21/13 10:20	03/30/13 09:54	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/21/13 10:20	03/30/13 09:54	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 600-102173/2-A
Matrix: Water
Analysis Batch: 102920

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102173

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	1.00	1.012		mg/L		101	80 - 120
Cr	1.00	1.002		mg/L		100	80 - 120
Cd	0.500	0.5108		mg/L		102	80 - 120
Ba	1.00	0.9881		mg/L		99	80 - 120
As	1.00	1.019		mg/L		102	80 - 120
Ag	0.500	0.4983		mg/L		100	80 - 120
Se	1.00	1.032		mg/L		103	80 - 120

Lab Sample ID: 600-70254-1 MS
Matrix: Water
Analysis Batch: 102920

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102173

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	0.00290	U	1.00	1.001		mg/L		100	75 - 125
Cr	0.00155	U	1.00	0.9739		mg/L		97	75 - 125
Cd	0.000350	U	0.500	0.5116		mg/L		102	75 - 125
Ba	0.0967		1.00	1.095		mg/L		100	75 - 125
As	0.00328	U	1.00	1.043		mg/L		104	75 - 125
Ag	0.00125	U	0.500	0.5087		mg/L		102	75 - 125
Se	0.00417	U	1.00	1.037		mg/L		104	75 - 125

Lab Sample ID: 600-70254-1 MSD
Matrix: Water
Analysis Batch: 102920

Client Sample ID: VCP-MW-6
Prep Type: Total/NA
Prep Batch: 102173

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pb	0.00290	U	1.00	1.027		mg/L		103	75 - 125	3	20
Cr	0.00155	U	1.00	0.9983		mg/L		100	75 - 125	2	20
Cd	0.000350	U	0.500	0.5229		mg/L		105	75 - 125	2	20
Ba	0.0967		1.00	1.126		mg/L		103	75 - 125	3	20
As	0.00328	U	1.00	1.072		mg/L		107	75 - 125	3	20
Ag	0.00125	U	0.500	0.5203		mg/L		104	75 - 125	2	20
Se	0.00417	U	1.00	1.055		mg/L		106	75 - 125	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-102274/7-A
Matrix: Water
Analysis Batch: 102325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102274

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/22/13 05:56	03/22/13 11:20	1

Lab Sample ID: LCS 600-102274/8-A
Matrix: Water
Analysis Batch: 102325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102274

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.00	2.942		ug/L		98	70 - 130

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 600-70254-1 MS — **Client Sample ID: VCP-MW-6**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102325 — **Prep Batch: 102274**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.0820	U	3.00	2.895		ug/L		97	75 - 125		

Lab Sample ID: 600-70254-1 MSD — **Client Sample ID: VCP-MW-6**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102325 — **Prep Batch: 102274**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0820	U	3.00	2.911		ug/L		97	75 - 125	1	20

Lab Sample ID: LB 600-102132/1-A LB — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102325

Analyte	LB Result	LB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L			03/22/13 11:54	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	0.00500	0.000980	mg/L	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000800	mg/L	8260B
1,1,2-Trichloroethane	0.00500	0.000530	mg/L	8260B
1,1-Dichloroethane	0.00500	0.000500	mg/L	8260B
1,1-Dichloroethene	0.00500	0.000760	mg/L	8260B
1,2-Dichloroethane	0.00500	0.00101	mg/L	8260B
1,2-Dichloroethene, Total	0.0100	0.000840	mg/L	8260B
1,2-Dichloropropane	0.00500	0.00141	mg/L	8260B
2-Butanone (MEK)	0.0100	0.00157	mg/L	8260B
2-Hexanone	0.0100	0.00142	mg/L	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00111	mg/L	8260B
Acetone	0.0100	0.00227	mg/L	8260B
Benzene	0.00500	0.000560	mg/L	8260B
Bromodichloromethane	0.00500	0.000760	mg/L	8260B
Bromoform	0.00500	0.000770	mg/L	8260B
Bromomethane	0.0100	0.00215	mg/L	8260B
Carbon disulfide	0.00500	0.00170	mg/L	8260B
Carbon tetrachloride	0.00500	0.000920	mg/L	8260B
Chlorobenzene	0.00500	0.000820	mg/L	8260B
Chlorobromomethane	0.00500	0.000810	mg/L	8260B
Chloroethane	0.0100	0.00173	mg/L	8260B
Chloroform	0.00500	0.000820	mg/L	8260B
Chloromethane	0.0100	0.000850	mg/L	8260B
cis-1,2-Dichloroethene	0.00500	0.000560	mg/L	8260B
cis-1,3-Dichloropropene	0.00500	0.000970	mg/L	8260B
Dibromochloromethane	0.00500	0.000920	mg/L	8260B
Ethylbenzene	0.00500	0.00129	mg/L	8260B
Methyl tert-butyl ether	0.00500	0.000440	mg/L	8260B
Methylene Chloride	0.0100	0.00143	mg/L	8260B
m-Xylene & p-Xylene	0.0100	0.00126	mg/L	8260B
o-Xylene	0.00500	0.000930	mg/L	8260B
Styrene	0.00500	0.000560	mg/L	8260B
Tetrachloroethene	0.00500	0.00124	mg/L	8260B
Toluene	0.00500	0.000550	mg/L	8260B
trans-1,2-Dichloroethene	0.00500	0.000880	mg/L	8260B
trans-1,3-Dichloropropene	0.00500	0.000590	mg/L	8260B
Trichloroethene	0.00500	0.00158	mg/L	8260B
Vinyl acetate	0.0100	0.000600	mg/L	8260B
Vinyl chloride	0.00500	0.000850	mg/L	8260B
Xylenes, Total	0.00500	0.00198	mg/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.120	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.170	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.170	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.130	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.250	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.180	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.150	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.310	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
2,4-Dinitrophenol	5.00	0.390	ug/L	8270C LL
2,4-Dinitrotoluene	1.50	0.130	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.0800	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.0800	ug/L	8270C LL
2-Chlorophenol	2.00	0.130	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.0700	ug/L	8270C LL
2-Methylphenol	1.50	0.120	ug/L	8270C LL
2-Nitroaniline	2.50	0.190	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.200	ug/L	8270C LL
3,3'-Dichlorobenzidine	10.0	0.180	ug/L	8270C LL
3-Nitroaniline	2.50	0.160	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.50	0.830	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.170	ug/L	8270C LL
4-Chloroaniline	1.00	0.210	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Nitroaniline	2.50	0.250	ug/L	8270C LL
4-Nitrophenol	2.50	0.560	ug/L	8270C LL
Acenaphthene	1.00	0.0800	ug/L	8270C LL
Acenaphthylene	1.00	0.0600	ug/L	8270C LL
Anthracene	1.00	0.0500	ug/L	8270C LL
Benzidine	10.0	0.610	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.0800	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.0800	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.0700	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.0800	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.0900	ug/L	8270C LL
Benzyl alcohol	5.50	0.170	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.50	0.400	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.130	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.150	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.370	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.120	ug/L	8270C LL
Carbazole	6.25	0.170	ug/L	8270C LL
Chrysene	1.50	0.0800	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.0800	ug/L	8270C LL
Dibenzofuran	1.50	0.0800	ug/L	8270C LL
Diethyl phthalate	2.50	1.50	ug/L	8270C LL
Dimethyl phthalate	2.50	0.0700	ug/L	8270C LL
Di-n-butyl phthalate	2.50	0.110	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.0700	ug/L	8270C LL
Fluorene	1.50	0.0700	ug/L	8270C LL
Hexachlorobenzene	1.50	0.110	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.180	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.130	ug/L	8270C LL
Hexachloroethane	2.00	0.100	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.0700	ug/L	8270C LL
Isophorone	1.50	0.110	ug/L	8270C LL
Naphthalene	5.00	0.0800	ug/L	8270C LL
Nitrobenzene	1.50	0.110	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
N-Nitrosodimethylamine	2.00	0.260	ug/L	8270C LL
N-Nitrosodi-n-propylamine	2.50	0.100	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.100	ug/L	8270C LL
Pentachlorophenol	2.50	0.610	ug/L	8270C LL
Phenanthrene	1.50	0.0600	ug/L	8270C LL
Phenol	1.50	0.0400	ug/L	8270C LL
Pyrene	2.00	0.110	ug/L	8270C LL

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	5.00	0.960	mg/L	TX 1005
>C28-C35	5.00	0.960	mg/L	TX 1005
C6-C12	5.00	0.830	mg/L	TX 1005
C6-C35	5.00	1.56	mg/L	TX 1005

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Ag	0.0100	0.00125	mg/L	6010B
As	0.0100	0.00328	mg/L	6010B
Ba	0.0200	0.00220	mg/L	6010B
Cd	0.00500	0.000350	mg/L	6010B
Cr	0.0100	0.00155	mg/L	6010B
Pb	0.0100	0.00290	mg/L	6010B
Se	0.0400	0.00417	mg/L	6010B

Method: 7470A - Mercury (CVAA)

Analyte	MQL	MDL	Units	Method
Mercury	0.200	0.0820	ug/L	7470A

GC/MS VOA

Analysis Batch: 102131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	8260B	
600-70254-1 MS	VCP-MW-6	Total/NA	Water	8260B	
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	8260B	
600-70254-2	Dup 1	Total/NA	Water	8260B	
600-70254-3	Trip Blank	Total/NA	Water	8260B	
LCS 600-102131/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-102131/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 102156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	3510C	
600-70254-1 MS	VCP-MW-6	Total/NA	Water	3510C	
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	3510C	
600-70254-2	Dup 1	Total/NA	Water	3510C	
LCS 600-102156/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-102156/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 102440

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	8270C LL	102156
600-70254-1 MS	VCP-MW-6	Total/NA	Water	8270C LL	102156
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	8270C LL	102156
600-70254-2	Dup 1	Total/NA	Water	8270C LL	102156
LCS 600-102156/2-A	Lab Control Sample	Total/NA	Water	8270C LL	102156
MB 600-102156/1-A	Method Blank	Total/NA	Water	8270C LL	102156

GC Semi VOA

Prep Batch: 102155

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	TX_1005_W_Prep	
600-70254-1 MS	VCP-MW-6	Total/NA	Water	TX_1005_W_Prep	
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	TX_1005_W_Prep	
600-70254-2	Dup 1	Total/NA	Water	TX_1005_W_Prep	
LCS 600-102155/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
MB 600-102155/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 102294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	TX 1005	102155
600-70254-1 MS	VCP-MW-6	Total/NA	Water	TX 1005	102155
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	TX 1005	102155
600-70254-2	Dup 1	Total/NA	Water	TX 1005	102155
LCS 600-102155/2-A	Lab Control Sample	Total/NA	Water	TX 1005	102155

GC Semi VOA (Continued)

Analysis Batch: 102294 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 600-102155/1-A	Method Blank	Total/NA	Water	TX 1005	102155

Metals

Prep Batch: 102173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	3010A	
600-70254-1 MS	VCP-MW-6	Total/NA	Water	3010A	
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	3010A	
600-70254-2	Dup 1	Total/NA	Water	3010A	
LCS 600-102173/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-102173/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 102274

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	7470A	
600-70254-1 MS	VCP-MW-6	Total/NA	Water	7470A	
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	7470A	
600-70254-2	Dup 1	Total/NA	Water	7470A	
LCS 600-102274/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 600-102274/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 102325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	7470A	102274
600-70254-1 MS	VCP-MW-6	Total/NA	Water	7470A	102274
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	7470A	102274
600-70254-2	Dup 1	Total/NA	Water	7470A	102274
LB 600-102132/1-A LB	Method Blank	Total/NA	Water	7470A	
LCS 600-102274/8-A	Lab Control Sample	Total/NA	Water	7470A	102274
MB 600-102274/7-A	Method Blank	Total/NA	Water	7470A	102274

Analysis Batch: 102920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70254-1	VCP-MW-6	Total/NA	Water	6010B	102173
600-70254-1 MS	VCP-MW-6	Total/NA	Water	6010B	102173
600-70254-1 MSD	VCP-MW-6	Total/NA	Water	6010B	102173
600-70254-2	Dup 1	Total/NA	Water	6010B	102173
LCS 600-102173/2-A	Lab Control Sample	Total/NA	Water	6010B	102173
MB 600-102173/1-A	Method Blank	Total/NA	Water	6010B	102173

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Client Sample ID: VCP-MW-6

Lab Sample ID: 600-70254-1

Date Collected: 03/19/13 13:30

Matrix: Water

Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102131	03/20/13 15:53	YX	TAL HOU
Total/NA	Prep	3510C			102156	03/21/13 09:07	LR	TAL HOU
Total/NA	Analysis	8270C LL		1	102440	03/22/13 13:23	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102155	03/21/13 08:59	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102294	03/21/13 21:48	RV	TAL HOU
Total/NA	Prep	7470A			102274	03/22/13 05:56	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102325	03/22/13 11:32	MJT	TAL HOU
Total/NA	Prep	3010A			102173	03/21/13 10:20	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 09:59	DCL	TAL HOU

Client Sample ID: Dup 1

Lab Sample ID: 600-70254-2

Date Collected: 03/19/13 00:00

Matrix: Water

Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102131	03/20/13 16:18	YX	TAL HOU
Total/NA	Prep	3510C			102156	03/21/13 09:07	LR	TAL HOU
Total/NA	Analysis	8270C LL		1	102440	03/22/13 14:44	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102155	03/21/13 08:59	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102294	03/22/13 00:14	RV	TAL HOU
Total/NA	Prep	7470A			102274	03/22/13 05:56	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102325	03/22/13 11:41	MJT	TAL HOU
Total/NA	Prep	3010A			102173	03/21/13 10:20	NER	TAL HOU
Total/NA	Analysis	6010B		1	102920	03/30/13 10:19	DCL	TAL HOU

Client Sample ID: Trip Blank

Lab Sample ID: 600-70254-3

Date Collected: 03/19/13 00:00

Matrix: Water

Date Received: 03/20/13 09:11

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102131	03/20/13 18:44	YX	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70254-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

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TAL-4124 (1007)

Client: PBW	Project Manager: Tim Nickels	Date: 3/19/13	Chain of Custody Number: 225362
Address: 2201 Double Creek Dr. Ste 4004	Telephone Number (Area Code)/Fax Number: (512) 671-3434	Lab Number:	Page 1 of 1
City: Round Rock / State: TX / Zip Code: 78664	Site Contact: John Brayton	Lab Contact:	Analysis (Attach list if more space is needed)
Project Name and Location (State): Exide VCP ~~Perfect~~ Investigation	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC 8260	SVOC	TPH-1005	Total RCRA metals	Dissolved RCRA metals
VCP-MW-6	3/19/13	1330		X						6			X		X		
"	"	"		X			2							X			
"	"	"		X					2							X	X
VCP-MW-6 MS	3/19/13	1330		X						6			X		X		
"	"	"		X			2							X			
"	"	"		X					2							X	X
VCP-MW-6 MSD	3/19/13	1330		X						6			X		X		
"	"	"		X			2							X			
"	"	"		X					2							X	X
Dup 1	3/19/13	—		X						6		X			X		
"	"	—		X			2							X			
"	"	—		X					2							X	X

Special Instructions/ Conditions of Receipt

600-70254 Chain of Custody

Trip Blank added RUN VOC

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Normal TAT

QC Requirements (Specify)

1. Relinquished By	Date: 3/19/13	Time: 1515	1. Received By: AM McCervo	Date: 3/19/13	Time: 1515
2. Relinquished By: AM McCervo	Date: 3/19/13	Time: 1730	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date: 03/20/13	Time: 0911

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

4/11/2013

Page 59 of 60

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70254-1

Login Number: 70254

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.7 5.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Data Usability Summary
Exide Recycling Center
March 21-22, 2013 Groundwater Sampling Event
TestAmerica Laboratories DATA PACKAGE 600-70497-1

Pastor, Behling & Wheeler, LLC reviewed one data package from TestAmerica Laboratories in Houston, Texas for the analysis of the groundwater samples collected March 21-22, 2013 at the Exide Recycling Center facility, in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives. At the time the laboratory data were generated for the project, TestAmerica Laboratories was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes and methods of analysis requested on the chain-of-custody documentation.

Intended Use of Data: To provide current data on concentrations of COC's in groundwater.

Analyses requested included:

- Method SW8260B – Volatile Organic Compounds (GC/MS)
- Method SW8270C LL – Semivolatile Organic Compounds by GCMS - Low Levels
- Method TX 1005 Texas – Total Petroleum Hydrocarbon (GC)
- Method SW6010B – Metals (ICP)
- Method SW7470A – Mercury (CVAA)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data*, (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- case narratives, and
- the field notes with respect to field instrument calibrations, filtering procedures, sampling procedures preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized in the Laboratory Review Checklists (LRCs), Exception Reports, and case narrative, all of which were included in this review.

Introduction

Two (2) groundwater samples were collected and analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), total petroleum hydrocarbons (TPH), metals (lead, chromium, cadmium, barium, arsenic, silver and selenium) and mercury. Table 1 lists the sample identifications cross-referenced to the laboratory identifications.

NOTE: SVOC data related to sample VCP-MW-4 was not evaluated as part of this report due to issues with the sample analysis. SVOC data, where mentioned in this report, relates solely to MW-19 and Field Blank 2.

Project Objectives

Project QA/QC objectives were established as the TRRP-13 recommended control limits:

- For organic analytes: spike percent recoveries between 60% and 140%, relative percent differences (RPD) within 40%, and
- For inorganic analytes: spike percent recoveries between 70% and 130%, RPD within 30%.

DATA REVIEW / VALIDATION RESULTS

Analytical Results

Qualified sample data are listed in Table 2. Non-detected results (ND) are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. Analytes detected between the SDL and the method quantitation limit (MQL) and were qualified with a "J-flag" to denote that the reported values were considered to be estimated.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). Samples were received in appropriate containers in good condition and paperwork was filled out properly. Sample receipt temperatures were within the acceptance criteria of 4±2°C. Samples were preserved in the field as specified in SW-846 Table 2-40(A) and 2-40(B). Samples were prepared and analyzed within holding times as specified in SW-846 Table 2-40(A) and 2-40(B).

Calibrations

The LRC indicates the following calibration issues:

- The control criteria for 3,3'-Dichorobenzidine in the continuing calibration verification (CCV) were exceeded for analytical batch 102941. The laboratory SOP allows for up to four non-calibration check compounds (CCC) analytes to be outside criteria and therefore the data were qualified and reported. The analyte was not detected in any of the samples.

Blanks

In the laboratory method blank for batch 102755, barium and chromium were detected above the MDL but below the MQL in the prep blank. The level of detection was below the recommended reporting limit.

Field Blank 2 had a detection of Acetone at a concentration of 0.0205 mg/L. This analyte was not detected in the groundwater samples collected and is likely a laboratory contaminant. No further action is recommended.

Surrogate Recoveries

Surrogate recoveries for the VOC and TPH analyses were within the project measurement quality objectives. Surrogate recoveries for SVOCs for MW-19 and MW-19MS/MSD were below project control limits for two surrogates. It is allowable for one acid and one base of the surrogates to be outside the acceptance criteria. No further action is required.

Laboratory Control Samples

Laboratory control sample (LCS) recoveries were within laboratory QC acceptance limits for all VOCs, Metals, Mercury and TPH. For SVOCs, the LCS was outside the laboratory control limits for 3-Nitroaniline. The analyte 3-Nitroaniline was biased high in the LCS but was not detected in the associated samples and the result was reported.

Matrix Spike/Matrix Spike Duplicates

MS/MSD precision and accuracy results were within the project-defined QC acceptance criteria for VOCs, Metals, Mercury and TPH. The laboratory selected a sample from another group to perform as the MS/MSD for Metals only. MS/MSDs were outside project control limits for the following SVOCs:

- The MS or MSD recoveries were below project control limits for Acenaphthene, Acenaphthylene, Benzidine, Bis(2-chloroethyl)ether, 2-Chloronaphthalene, 4-Chlorophenyl phenyl ether, Chrysene, Dibenzofuran, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Diethyl phthalate, Fluorene, Hexachlorocyclopentadiene, Hexachloroethane, Hexachlorobutadiene, 2-Methylnapthalene, Phenanthrene, 1,2,4-Trichlorobenzene, 2-Methylphenol, 4-Nitrophenol, Pentachlorophenol, Benzo[a]anthracene, Benzo[a]fluoanthene, Benzo[a]pyrene, Di-n-butyl phthalate, Dibenzofuran, Dimethyl phthalate, 2,4-Dinitrotoluene, Pyrene , 2,4-Dimethylphenol, and Phenol. The associated results for these analytes are estimated values with a potential low bias and have been qualified accordingly (UJL).

The analyte 2,4,6-Trichlorophenol was slightly lower than the laboratory control limit, but within the project control limit.

Laboratory Certification

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form except for Bromomethane by SW-846 8260B, which is reported for all aqueous samples. The results for this analyte are validated and reported as part of a suite of analytes for the method and recertification is in progress for this analyte pending TCEQ action. Per TRRP-13, the reviewer qualified all results for Bromomethane as not accredited - single analyte in a multi-analyte suite (X8).

Field Precision

No field duplicate samples were collected during this sampling event due to limited sample volume.

Field Procedures

Samples were collected using documented SOPs.

SUMMARY

The analytical data are usable for the purpose of determining current COC concentrations in the groundwater at the affected property. Additionally, all results for Bromomethane in these aqueous samples are qualified as not accredited - single analyte in a multi-analyte suite (X8). QC results are reported for this analyte and meet the requirements for all of the blanks and spikes. Additionally, the laboratory is accredited for the remaining 39 target analytes in this matrix, analyzed by this method. The analyte results are validated and reported as part of a suite of analytes for the method.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification
VCP-MW-4	600-70497-1
Field Blank 2	600-70497-2
MW-19	600-70497-3

Field Identification	Laboratory Identification
Trip Blank 3	600-70497-4

Table 2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
VCP-MW-4	2-Chloronaphthalene	UJL	MS or MSD recovery <60%
VCP-MW-4	2-Methylnapthalene	UJL	MS or MSD recovery <60%
VCP-MW-4	2-Methylphenol	UJL	MS or MSD recovery <60%
VCP-MW-4	4-Chlorophenyl phenyl ether	UJL	MS or MSD recovery <60%
VCP-MW-4	4-Nitrophenol	UJL	MS or MSD recovery <60%
VCP-MW-4	Acenaphthylene	UJL	MS or MSD recovery <60%
VCP-MW-4	Benzidine	UJL	MS or MSD recovery <60%
VCP-MW-4	Benzo[a]anthracene	UJL	MS or MSD recovery <60%
VCP-MW-4	Benzo[a]fluoanthene	UJL	MS or MSD recovery <60%
VCP-MW-4	Benzo[a]pyrene	UJL	MS or MSD recovery <60%
VCP-MW-4	Bis(2-chloroethyl)ether	UJL	MS or MSD recovery <60%
VCP-MW-4	Chrysene	UJL	MS or MSD recovery <60%
VCP-MW-4	Dibenzofuran	UJL	MS or MSD recovery <60%
VCP-MW-4	Diethyl phthalate	UJL	MS or MSD recovery <60%
VCP-MW-4	Dimethyl phthalate	UJL	MS or MSD recovery <60%
VCP-MW-4	Di-n-butyl phthalate	UJL	MS or MSD recovery <60%
VCP-MW-4	Fluorene	UJL	MS or MSD recovery <60%
VCP-MW-4	Hexachlorobutadiene	UJL	MS or MSD recovery <60%
VCP-MW-4	Hexachlorocyclopentadiene	UJL	MS or MSD recovery <60%
VCP-MW-4	Hexachloroethane	UJL	MS or MSD recovery <60%
VCP-MW-4	Pentachlorophenol	UJL	MS or MSD recovery <60%
VCP-MW-4	Phenanthrene	UJL	MS or MSD recovery <60%
VCP-MW-4	Pyrene	UJL	MS or MSD recovery <60%
VCP-MW-4	1,2,4-Trichlorobenzene	UJL	MS or MSD recovery <60%
VCP-MW-4	1,2-Dichlorobenzene	UJL	MS or MSD recovery <60%
VCP-MW-4	1,3-Dichlorobenzene	UJL	MS or MSD recovery <60%
VCP-MW-4	1,4-Dichlorobenzene	UJL	MS or MSD recovery <60%
VCP-MW-4	2,4-Dimethylphenol	UJL	MS or MSD recovery <60%
VCP-MW-4	2,4-Dinitrotoluene	UJL	MS or MSD recovery <60%
VCP-MW-4	Acenaphthene	UJL	MS or MSD recovery <60%
VCP-MW-4	Phenol	UJL	MS or MSD recovery <60%
Field Blank 2	2-Chloronaphthalene	UJL	MS or MSD recovery <60%
Field Blank 2	2-Methylnapthalene	UJL	MS or MSD recovery <60%
Field Blank 2	2-Methylphenol	UJL	MS or MSD recovery <60%
Field Blank 2	4-Chlorophenyl phenyl ether	UJL	MS or MSD recovery <60%
Field Blank 2	4-Nitrophenol	UJL	MS or MSD recovery <60%
Field Blank 2	Acenaphthylene	UJL	MS or MSD recovery <60%
Field Blank 2	Benzidine	UJL	MS or MSD recovery <60%
Field Blank 2	Benzo[a]anthracene	UJL	MS or MSD recovery <60%
Field Blank 2	Benzo[a]fluoanthene	UJL	MS or MSD recovery <60%
Field Blank 2	Benzo[a]pyrene	UJL	MS or MSD recovery <60%

Field Identification	Analyte	Qualification	Reason for Qualification
Field Blank 2	Bis(2-chloroethyl)ether	UJL	MS or MSD recovery <60%
Field Blank 2	Chrysene	UJL	MS or MSD recovery <60%
Field Blank 2	Dibenzofuran	UJL	MS or MSD recovery <60%
Field Blank 2	Diethyl phthalate	UJL	MS or MSD recovery <60%
Field Blank 2	Dimethyl phthalate	UJL	MS or MSD recovery <60%
Field Blank 2	Di-n-butyl phthalate	UJL	MS or MSD recovery <60%
Field Blank 2	Fluorene	UJL	MS or MSD recovery <60%
Field Blank 2	Hexachlorobutadiene	UJL	MS or MSD recovery <60%
Field Blank 2	Hexachlorocyclopentadiene	UJL	MS or MSD recovery <60%
Field Blank 2	Hexachloroethane	UJL	MS or MSD recovery <60%
Field Blank 2	Pentachlorophenol	UJL	MS or MSD recovery <60%
Field Blank 2	Phenanthrene	UJL	MS or MSD recovery <60%
Field Blank 2	Pyrene	UJL	MS or MSD recovery <60%
Field Blank 2	1,2,4-Trichlorobenzene	UJL	MS or MSD recovery <60%
Field Blank 2	1,2-Dichlorobenzene	UJL	MS or MSD recovery <60%
Field Blank 2	1,3-Dichlorobenzene	UJL	MS or MSD recovery <60%
Field Blank 2	1,4-Dichlorobenzene	UJL	MS or MSD recovery <60%
Field Blank 2	2,4-Dimethylphenol	UJL	MS or MSD recovery <60%
Field Blank 2	2,4-Dinitrotoluene	UJL	MS or MSD recovery <60%
Field Blank 2	Acenaphthene	UJL	MS or MSD recovery <60%
Field Blank 2	Phenol	UJL	MS or MSD recovery <60%
VCP-MW-4	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
Field Blank 2	Bromomethane	UX8	Laboratory is not NELAC accredited for analyte
MW-19	Bromomethane	X8	Laboratory is not NELAC accredited for analyte
Trip Blank 3	Bromomethane	X8	Laboratory is not NELAC accredited for analyte

J – Estimated data.
U – Analyte was not detected above the sample detection limit.
L – Bias in sample result likely to be low.
X8 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ offers accreditation for this analyte, in this matrix, analyzed by this method, but the laboratory is not accredited for this analyte in this matrix by this method. The analyte result is validated and reported as part of a suite of analytes for the method.

Prepared by: Kate McCarthy, PG Date: May 9, 2013

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70497-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/7/2013 11:12:20 AM
Cathy Upton, Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70497-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		04/12/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102755- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	2
		Were MS/MSD RPDs within laboratory QC limits?				X	2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	3
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102755- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	4
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102755- ICP

ER #[1]	DESCRIPTION
1	Barium and chromium were detected above the MDL, but below the MQL in the prep blank for batch 102755. The levels of detection are below the recommended reporting limits and the appropriate flags have been applied.
2	The laboratory selected a sample from another group to perform as the MS/MSD.
3	The laboratory selected a sample from another group to perform as the DUP.
4	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/08/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70497
Reviewer Name: TWR	Prep Batch Number(s): 600-102620- Mercury

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/29/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497
Reviewer Name: YX	Prep Batch Number: 600-102614-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			1

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/29/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497
Reviewer Name: YX	Prep Batch Number: 600-102614-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/29/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497
Reviewer Name: YX	Prep Batch Number: 600-102614-VOA

ER #[1]	DESCRIPTION
1	The laboratory is not NELAC certified for Bromomethane.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70497
Reviewer Name: JOH	Prep Batch Number(s): 600-102754 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	2
		Were MS/MSD RPDs within laboratory QC limits?				X	2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70497
Reviewer Name: JOH	Prep Batch Number(s): 600-102754 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			3
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-70497
Reviewer Name: JOH	Prep Batch Number(s): 600-102754 - SV

ER #[1]	DESCRIPTION
1	The laboratory control sample (LCS) exceeded control limits for the following analyte: 3-Nitroaniline. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.
2	The matrix spike / matrix spike duplicate (MS/MSD) recoveries were outside control limits. The associated laboratory control sample (LCS) met acceptance criteria.
3	The continuing calibration verification (CCV) for analytical batch 102941 exceeded control criteria for 3,3-'Dichorobenzidine. The SOP allows for up to four non-CCC analytes to be outside criteria. The data have been qualified and reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102547- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102547- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 03/27/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-70497-1
Reviewer Name: RJV	Prep Batch Number(s): 600-102547- TX1005

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix: Water
Method: 8260B_LL
Preparation: Wei Shen
Date Analyzed: 1/7/2013
Date Prepared: 1/7/2013
TALs Batches: 600-96768
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Chloromethane	0.18	0.5	0	2
Vinyl Chloride	0.11	0.5	0.461	2
Chloroethane	0.08	0.5	0.475	2
1,1-Dichloroethene	0.19	0.5	0.367	1
trans-1,2-Dichloroethene	0.09	0.5	0.506	1
Acetone	0.99	0.5	0	2
Carbon Disulfide	0.24	0.5	0.85	1
Methylene Chloride	0.15	0.5	0	1
Vinyl Acetate	0.21	0.5	0	1
cis-1,2-Dichloroethene	0.3	0.5	0.497	1
2-Butanone (MEK)	0.76	0.5	0	5
Bromochloromethane	0.18	0.5	0.459	1
Carbon Tetrachloride	0.15	0.5	2.45	5
Benzene	0.08	0.5	0.47	1
1,2-Dichloroethane	0.14	0.5	0.367	1
Trichloroethene	0.13	0.5	0.494	1
1,1,1-Trichloroethane	0.15	0.5	0.937	1
1,1-Dichloroethane	0.11	0.5	0.483	1
1,2-Dichloropropane	0.16	0.5	0.48	1
cis-1,3-Dichloropropene	0.18	0.5	0	1
4-Methyl-2-pentanone	0.45	0.5	0.861	2
Toluene	0.15	0.5	0.462	1
trans-1,3-Dichloropropene	0.21	0.5	0	1
1,1,2-Trichloroethane	0.28	0.5	0.41	1
Tetrachloroethene	0.18	0.5	0.477	1
2-Hexanone	0.35	0.5	0	
Chlorobenzene	0.12	0.5	0.502	1
Ethylbenzene	0.11	0.5	0.473	1
m,p-Xylene	0.17	0.5	0.844	2
o-Xylene	0.12	0.5	0.469	1
Xylenes (total)	0.26	0.5	1.31	3
Styrene	0.07	0.25	0.36	1
Bromoform	0.19	0.25	0	1
1,1,2,2-Tetrachloroethane	0.22	0.5	0	1
Chlorobromomethane	0.18	0.5	0.513	1
Chlorodibromomethane	0.15	0.5	1.08	1
Chloroform	0.13	0.5	0.505	1
Chloroform	0.16	0.5	0.392	1

Quality Control Report

Detection Check Standard

Matrix:	Water
Method:	8270C LL
Preparation:	3510C
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Lab Sample ID:	600-96501/6-A
Units:	ug/L

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	0.04	0.25	0.062	0.5
N-Nitrosodimethylamine	0.26	0.5	0.305	0.5
bis (2-Chloroisopropyl) ether	0.4	0.5	0.692	0.5
Aniline	0.08	0.25	0.143	0.5
Phenol	0.04	0.25	0.087	0.5
bis(2-Chloroethyl)ether	0.15	0.5	0.371	0.5
2-Chlorophenol	0.13	0.5	0.368	0.5
1,3-Dichlorobenzene	0.17	0.5	0.433	0.5
1,4-Dichlorobenzene	0.13	0.5	0.533	0.5
1,2-Dichlorobenzene	0.17	0.5	0.469	0.5
Benzyl alcohol	0.17	0.5	0.211	0.5
2-Methylphenol (o-cresol)	0.12	0.5	0.353	0.5
3&4-Methylphenol (m&p-Cresols)	0.2	0.5	0.287	1
N-Nitroso-di-n-propylamine	0.1	0.5	0.455	0.5
Hexachloroethane	0.1	0.5	0.490	0.5
Dibenzo(a,h)anthracene	0.08	0.25	0.889	0.5
Indeno(1,2,3-cd)pyrene	0.07	0.25	0.972	0.5
Nitrobenzene	0.11	0.25	0.298	0.5
Isophorone	0.11	0.25	0.207	0.5
2-Nitrophenol	0.22	0.5	0.608	0.5
Benzoic acid	2.51	5	7.32	2.5
2,4-Dimethylphenol	0.15	0.5	0.513	0.5
bis(2-Chloroethoxy)methane	0.13	0.5	0.455	0.5
2,4-Dichlorophenol	0.15	0.5	0.457	0.5
1,2,4-Trichlorobenzene	0.12	0.5	0.340	0.5
Naphthalene	0.08	0.25	0.242	0.5
Benzo(a)pyrene	0.08	0.25	0.530	0.5
Hexachlorobutadiene	0.18	0.5	0.611	0.5
4-Chloro-3-methylphenol	0.17	0.5	0.419	0.5
2-Methylnaphthalene	0.07	0.25	0.229	0.5
1-Methylnaphthalene	0.09	0.25	0.215	0.5
Benzo(k)fluoranthene	0.09	0.25	0.196	0.5
Hexachlorocyclopentadiene	0.13	0.5	0.560	0.5
2,4,6-Trichlorophenol	0.18	0.5	0.638	0.5
2,4,5-Trichlorophenol	0.25	0.5	0.656	0.5
2-Chloronaphthalene	0.08	0.25	0.231	0.5
2-Nitroaniline	0.19	0.5	0.787	0.5
1,4-Dinitrobenzene	0.5	0.5	0.747	0.5
1,3-Dinitrobenzene	0.08	0.25	0.637	0.5
1,2-Dinitrobenzene	0.5	0.5	0.832	0.5

Dimethylphthalate	0.07	0.25	0.220	0.5
Acenaphthylene	0.06	0.25	0.191	0.5
2,6-Dinitrotoluene	0.08	0.5	0.618	0.5
Benzo(b)fluoranthene	0.07	0.5	0.701	0.5
Acenaphthene	0.08	0.5	0.382	0.5
Di-n-octylphthalate	0.16	0.5	1.910	0.5
4-Nitrophenol	0.56	2.5	1.34	1
Dibenzofuran	0.08	0.25	0.181	0.5
2,4-Dinitrotoluene	0.13	0.5	0.538	0.5
2,3,4,6-Tetrachlorophenol	0.5	0.5	0.501	0.5
2,3,5,6-Tetrachlorophenol	0.5	0.5	0.201	0.5
Diethylphthalate	1.5	0.5	0.584	0.5
4-Chlorophenyl-phenylether	0.1	0.5	0.544	0.5
Fluorene	0.07	0.25	0.245	0.5
4-Nitroaniline	0.25	0.5	1.070	0.5
Chrysene	0.08	0.25	0.180	0.5
4,6-Dinitro-2-methylphenol	0.83	2.5	1.27	0.5
N-Nitrosodiphenylamine	0.1	0.5	0.366	0.5
Diphenylamine	0.1	0.5	0.344	0.5
1,2-Diphenylhydrazine	0.11	0.25	0.136	0.5
Azobenzene	0.07	0.25	0.156	0.5
4-Bromophenyl-phenylether	0.1	0.5	0.432	0.5
Hexachlorobenzene	0.11	0.25	0.218	0.5
Pentachlorophenol	0.61	0.5	1.460	0.5
Phenanthrene	0.06	0.25	0.222	0.5
Anthracene	0.05	0.25	0.234	0.5
Carbazole	0.17	0.5	0.418	0.5
Di-n-butylphthalate	0.11	0.25	0.503	0.5
Fluoranthene	0.07	0.25	0.198	0.5
Benzidine	0.61	1	0.434	0.5
Pyrene	0.11	0.25	0.205	0.5
Butylbenzylphthalate	0.12	0.5	0.857	0.5
3,3'-Dichlorobenzidine	0.18	0.5	0.463	0.5
Benzo(a)anthracene	0.08	0.25	0.184	0.5
bis(2-Ethylhexyl)phthalate	0.37	0.5	1.010	0.5
Benzo(g,h,i)perylene	0.08	0.25	0.554	0.5
4-Chloroaniline	0.21	0.5	0.380	0.5
3-Nitroaniline	0.16	0.5	0.691	0.5

Detection Check Standard

Matrix:	Water
Method:	TX1005
Preparation:	TX1005
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Data File:	FID-12\A010313_04.d
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	0.37	1	0.507	10
>C12-C28	0.96	1	0.46	10
Total C6-C35	0.96	2	0.967	10

Detection Check Standard

Matrix:	Water
Method:	7470, 245.1
Preparation:	7470p, 245.1p
Date Analyzed:	1/31/2013
Date Prepared:	1/31/2013
Instrument:	FIMS100
TALs Batches:	98523, 98496p
Units:	ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Mercury	0.082	0.16	0.078	0.2

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-70497-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70497-1

Comments
The report was revised on 05/07/13 to update the case narrative per client's request.

Receipt
The samples were received on 3/25/2013 9:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 2.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70497-1	VCP-MW-4	Water	03/21/13 15:15	03/25/13 09:00
600-70497-2	Field Blank 2	Water	03/21/13 17:55	03/25/13 09:00
600-70497-3	MW-19	Water	03/22/13 14:20	03/25/13 09:00
600-70497-4	Trip Blank 3	Water	03/20/13 14:00	03/25/13 09:00

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: VCP-MW-4
Date Collected: 03/21/13 15:15
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/26/13 13:47	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:47	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/26/13 13:47	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/26/13 13:47	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/26/13 13:47	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/26/13 13:47	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/26/13 13:47	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/26/13 13:47	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/26/13 13:47	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/26/13 13:47	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/26/13 13:47	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/26/13 13:47	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/26/13 13:47	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/26/13 13:47	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/26/13 13:47	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/26/13 13:47	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:47	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/26/13 13:47	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/26/13 13:47	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/26/13 13:47	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/26/13 13:47	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/26/13 13:47	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/26/13 13:47	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/26/13 13:47	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/26/13 13:47	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:47	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/26/13 13:47	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/26/13 13:47	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/26/13 13:47	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/26/13 13:47	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/26/13 13:47	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/26/13 13:47	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/26/13 13:47	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/26/13 13:47	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/26/13 13:47	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/26/13 13:47	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/26/13 13:47	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/26/13 13:47	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/26/13 13:47	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/26/13 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/26/13 13:47*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*03/26/13 13:47*	*1*
4-Bromofluorobenzene	*103*		*67 - 139*		*03/26/13 13:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*03/26/13 13:47*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	**0.105**	**J**	0.962	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: VCP-MW-4
Date Collected: 03/21/13 15:15
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	**0.100**	**J**	0.962	0.0577	ug/L		03/28/13 11:55	03/29/13 19:02	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzidine	0.587	U	9.62	0.587	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzo[a]anthracene	**0.0921**	**J**	1.92	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
Bis(2-chloroethoxy)methane	**0.125**	**J**	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:02	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		03/28/13 11:55	03/29/13 19:02	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Bromophenyl phenyl ether	**0.102**	**J**	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:02	1
Butyl benzyl phthalate	**0.163**	**J**	2.40	0.115	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Chloroaniline	0.202	U	0.962	0.202	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:02	1
Carbazole	**0.177**	**J**	6.01	0.163	ug/L		03/28/13 11:55	03/29/13 19:02	1
Chrysene	**0.0974**	**J**	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
Di-n-butyl phthalate	**0.190**	**J**	2.40	0.106	ug/L		03/28/13 11:55	03/29/13 19:02	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
Dibenzofuran	**0.100**	**J**	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		03/28/13 11:55	03/29/13 19:02	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		03/28/13 11:55	03/29/13 19:02	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		03/28/13 11:55	03/29/13 19:02	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		03/28/13 11:55	03/29/13 19:02	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		03/28/13 11:55	03/29/13 19:02	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:02	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		03/28/13 11:55	03/29/13 19:02	1
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
Fluorene	**0.0963**	**J**	1.44	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:02	1
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:02	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		03/28/13 11:55	03/29/13 19:02	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		03/28/13 11:55	03/29/13 19:02	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
Isophorone	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Methylnaphthalene	**0.102**	**J**	1.44	0.0673	ug/L		03/28/13 11:55	03/29/13 19:02	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		03/28/13 11:55	03/29/13 19:02	1
3-Nitroaniline	0.154	U *	2.40	0.154	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Nitroaniline	0.240	U	2.40	0.240	ug/L		03/28/13 11:55	03/29/13 19:02	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:02	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		03/28/13 11:55	03/29/13 19:02	1
N-Nitrosodiphenylamine	0.0962	U	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:02	1
N-Nitrosodi-n-propylamine	**0.148**	**J**	2.40	0.0962	ug/L		03/28/13 11:55	03/29/13 19:02	1
Phenanthrene	**0.131**	**J**	1.44	0.0577	ug/L		03/28/13 11:55	03/29/13 19:02	1
Pyrene	0.106	U	1.92	0.106	ug/L		03/28/13 11:55	03/29/13 19:02	1
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		03/28/13 11:55	03/29/13 19:02	1

Client Sample ID: VCP-MW-4
Date Collected: 03/21/13 15:15
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		03/28/13 11:55	03/29/13 19:02	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		03/28/13 11:55	03/29/13 19:02	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		03/28/13 11:55	03/29/13 19:02	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		03/28/13 11:55	03/29/13 19:02	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		03/28/13 11:55	03/29/13 19:02	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		03/28/13 11:55	03/29/13 19:02	1
Phenol	0.0385	U	1.44	0.0385	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		03/28/13 11:55	03/29/13 19:02	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		03/28/13 11:55	03/29/13 19:02	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		03/28/13 11:55	03/29/13 19:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*25*		*12 - 128*	*03/28/13 11:55*	*03/29/13 19:02*	*1*
Terphenyl-d14	*72*		*33 - 141*	*03/28/13 11:55*	*03/29/13 19:02*	*1*
Nitrobenzene-d5	*76*		*47 - 120*	*03/28/13 11:55*	*03/29/13 19:02*	*1*
2-Fluorophenol	*41*		*18 - 120*	*03/28/13 11:55*	*03/29/13 19:02*	*1*
2-Fluorobiphenyl	*74*		*43 - 120*	*03/28/13 11:55*	*03/29/13 19:02*	*1*
2,4,6-Tribromophenol	*62*		*44 - 123*	*03/28/13 11:55*	*03/29/13 19:02*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.813	U	4.90	0.813	mg/L		03/26/13 10:47	03/26/13 16:08	1
>C12-C28	0.940	U	4.90	0.940	mg/L		03/26/13 10:47	03/26/13 16:08	1
>C28-C35	0.940	U	4.90	0.940	mg/L		03/26/13 10:47	03/26/13 16:08	1
C6-C35	1.53	U	4.90	1.53	mg/L		03/26/13 10:47	03/26/13 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*03/26/13 10:47*	*03/26/13 16:08*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**0.00330**	**J**	0.0100	0.00290	mg/L		03/28/13 12:02	03/29/13 08:03	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/28/13 12:02	03/29/13 08:03	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/28/13 12:02	03/29/13 08:03	1
Ba	**0.0173**	**J b**	0.0200	0.00220	mg/L		03/28/13 12:02	03/29/13 08:03	1
As	0.00328	U	0.0100	0.00328	mg/L		03/28/13 12:02	03/29/13 08:03	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/28/13 12:02	03/29/13 08:03	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/28/13 12:02	03/29/13 08:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:43	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: Field Blank 2
Date Collected: 03/21/13 17:55
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.0205		0.0100	0.00227	mg/L			03/26/13 13:20	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:20	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/26/13 13:20	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/26/13 13:20	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/26/13 13:20	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/26/13 13:20	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/26/13 13:20	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/26/13 13:20	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/26/13 13:20	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/26/13 13:20	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/26/13 13:20	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/26/13 13:20	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/26/13 13:20	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/26/13 13:20	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/26/13 13:20	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/26/13 13:20	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:20	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/26/13 13:20	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/26/13 13:20	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/26/13 13:20	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/26/13 13:20	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/26/13 13:20	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/26/13 13:20	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/26/13 13:20	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/26/13 13:20	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 13:20	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/26/13 13:20	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/26/13 13:20	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/26/13 13:20	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/26/13 13:20	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/26/13 13:20	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/26/13 13:20	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/26/13 13:20	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/26/13 13:20	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/26/13 13:20	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/26/13 13:20	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/26/13 13:20	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/26/13 13:20	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/26/13 13:20	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/26/13 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*104*		*70 - 130*		*03/26/13 13:20*	*1*
Dibromofluoromethane	*92*		*62 - 130*		*03/26/13 13:20*	*1*
4-Bromofluorobenzene	*102*		*67 - 139*		*03/26/13 13:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/26/13 13:20*	*1*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: MW-19
Date Collected: 03/22/13 14:20
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/26/13 14:15	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 14:15	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/26/13 14:15	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/26/13 14:15	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/26/13 14:15	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/26/13 14:15	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/26/13 14:15	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/26/13 14:15	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/26/13 14:15	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/26/13 14:15	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/26/13 14:15	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/26/13 14:15	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/26/13 14:15	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/26/13 14:15	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/26/13 14:15	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/26/13 14:15	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 14:15	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/26/13 14:15	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/26/13 14:15	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/26/13 14:15	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/26/13 14:15	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/26/13 14:15	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/26/13 14:15	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/26/13 14:15	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/26/13 14:15	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 14:15	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/26/13 14:15	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/26/13 14:15	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/26/13 14:15	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/26/13 14:15	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/26/13 14:15	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/26/13 14:15	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/26/13 14:15	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/26/13 14:15	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/26/13 14:15	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/26/13 14:15	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/26/13 14:15	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/26/13 14:15	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/26/13 14:15	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/26/13 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*70 - 130*		*03/26/13 14:15*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*03/26/13 14:15*	*1*
4-Bromofluorobenzene	*102*		*67 - 139*		*03/26/13 14:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*		*03/26/13 14:15*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0769	U	0.962	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: MW-19
Date Collected: 03/22/13 14:20
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-3
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0577	U	0.962	0.0577	ug/L		03/28/13 11:55	03/29/13 19:29	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzidine	0.587	U	9.62	0.587	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzo[a]anthracene	0.0769	U	1.92	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
Bis(2-chloroethoxy)methane	0.125	U	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:29	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		03/28/13 11:55	03/29/13 19:29	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Bromophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:29	1
Butyl benzyl phthalate	0.115	U	2.40	0.115	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Chloroaniline	0.202	U	0.962	0.202	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:29	1
Carbazole	0.163	U	6.01	0.163	ug/L		03/28/13 11:55	03/29/13 19:29	1
Chrysene	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
Di-n-butyl phthalate	0.106	U	2.40	0.106	ug/L		03/28/13 11:55	03/29/13 19:29	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
Dibenzofuran	0.0769	U	1.44	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		03/28/13 11:55	03/29/13 19:29	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		03/28/13 11:55	03/29/13 19:29	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		03/28/13 11:55	03/29/13 19:29	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		03/28/13 11:55	03/29/13 19:29	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		03/28/13 11:55	03/29/13 19:29	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:29	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		03/28/13 11:55	03/29/13 19:29	1
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
Fluorene	0.0673	U	1.44	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:29	1
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		03/28/13 11:55	03/29/13 19:29	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		03/28/13 11:55	03/29/13 19:29	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		03/28/13 11:55	03/29/13 19:29	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
Isophorone	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Methylnaphthalene	0.0673	U	1.44	0.0673	ug/L		03/28/13 11:55	03/29/13 19:29	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		03/28/13 11:55	03/29/13 19:29	1
3-Nitroaniline	0.154	U *	2.40	0.154	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Nitroaniline	0.240	U	2.40	0.240	ug/L		03/28/13 11:55	03/29/13 19:29	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		03/28/13 11:55	03/29/13 19:29	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		03/28/13 11:55	03/29/13 19:29	1
N-Nitrosodiphenylamine	0.0962	U	1.44	0.0962	ug/L		03/28/13 11:55	03/29/13 19:29	1
N-Nitrosodi-n-propylamine	0.0962	U	2.40	0.0962	ug/L		03/28/13 11:55	03/29/13 19:29	1
Phenanthrene	0.0577	U	1.44	0.0577	ug/L		03/28/13 11:55	03/29/13 19:29	1
Pyrene	0.106	U	1.92	0.106	ug/L		03/28/13 11:55	03/29/13 19:29	1
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		03/28/13 11:55	03/29/13 19:29	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: MW-19
Date Collected: 03/22/13 14:20
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-3
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		03/28/13 11:55	03/29/13 19:29	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		03/28/13 11:55	03/29/13 19:29	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		03/28/13 11:55	03/29/13 19:29	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		03/28/13 11:55	03/29/13 19:29	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		03/28/13 11:55	03/29/13 19:29	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		03/28/13 11:55	03/29/13 19:29	1
Phenol	0.0385	U	1.44	0.0385	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		03/28/13 11:55	03/29/13 19:29	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		03/28/13 11:55	03/29/13 19:29	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		03/28/13 11:55	03/29/13 19:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*24*		*12 - 128*	*03/28/13 11:55*	*03/29/13 19:29*	*1*
Terphenyl-d14	*75*		*33 - 141*	*03/28/13 11:55*	*03/29/13 19:29*	*1*
Nitrobenzene-d5	*78*		*47 - 120*	*03/28/13 11:55*	*03/29/13 19:29*	*1*
2-Fluorophenol	*39*		*18 - 120*	*03/28/13 11:55*	*03/29/13 19:29*	*1*
2-Fluorobiphenyl	*78*		*43 - 120*	*03/28/13 11:55*	*03/29/13 19:29*	*1*
2,4,6-Tribromophenol	*66*		*44 - 123*	*03/28/13 11:55*	*03/29/13 19:29*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.810	U	4.88	0.810	mg/L		03/26/13 10:47	03/26/13 14:31	1
>C12-C28	0.937	U	4.88	0.937	mg/L		03/26/13 10:47	03/26/13 14:31	1
>C28-C35	0.937	U	4.88	0.937	mg/L		03/26/13 10:47	03/26/13 14:31	1
C6-C35	1.52	U	4.88	1.52	mg/L		03/26/13 10:47	03/26/13 14:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*70 - 130*	*03/26/13 10:47*	*03/26/13 14:31*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/28/13 12:02	03/29/13 08:06	1
Cr	0.00155	U	0.0100	0.00155	mg/L		03/28/13 12:02	03/29/13 08:06	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/28/13 12:02	03/29/13 08:06	1
Ba	**0.0689**	**b**	0.0200	0.00220	mg/L		03/28/13 12:02	03/29/13 08:06	1
As	0.00328	U	0.0100	0.00328	mg/L		03/28/13 12:02	03/29/13 08:06	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/28/13 12:02	03/29/13 08:06	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/28/13 12:02	03/29/13 08:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:52	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: Trip Blank 3
Date Collected: 03/20/13 14:00
Date Received: 03/25/13 09:00

Lab Sample ID: 600-70497-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/26/13 12:53	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:53	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/26/13 12:53	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/26/13 12:53	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/26/13 12:53	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/26/13 12:53	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/26/13 12:53	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/26/13 12:53	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/26/13 12:53	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/26/13 12:53	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/26/13 12:53	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/26/13 12:53	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/26/13 12:53	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/26/13 12:53	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/26/13 12:53	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/26/13 12:53	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:53	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/26/13 12:53	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/26/13 12:53	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/26/13 12:53	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/26/13 12:53	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/26/13 12:53	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/26/13 12:53	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/26/13 12:53	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/26/13 12:53	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:53	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/26/13 12:53	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/26/13 12:53	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/26/13 12:53	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/26/13 12:53	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/26/13 12:53	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/26/13 12:53	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/26/13 12:53	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/26/13 12:53	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/26/13 12:53	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/26/13 12:53	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/26/13 12:53	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/26/13 12:53	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/26/13 12:53	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/26/13 12:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/26/13 12:53*	*1*
Dibromofluoromethane	*89*		*62 - 130*		*03/26/13 12:53*	*1*
4-Bromofluorobenzene	*96*		*67 - 139*		*03/26/13 12:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/26/13 12:53*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
*	LCS or LCSD exceeds the control limits
N	MS, MSD: Spike recovery exceeds upper or lower control limits.

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-70497-1	VCP-MW-4	103	88	103	86
600-70497-1 MS	VCP-MW-4	100	89	110	88
600-70497-1 MSD	VCP-MW-4	112	98	103	101
600-70497-2	Field Blank 2	104	92	102	88
600-70497-3	MW-19	103	88	102	86
600-70497-4	Trip Blank 3	106	89	96	88
LCS 600-102614/3	Lab Control Sample	109	100	111	100
MB 600-102614/4	Method Blank	106	92	99	88

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPH	NBZ	2FP	FBP	TBP
Lab Sample ID	Client Sample ID	(12-128)	(33-141)	(47-120)	(18-120)	(43-120)	(44-123)
600-70497-1	VCP-MW-4	25	72	76	41	74	62
600-70497-3	MW-19	24	75	78	39	78	66
600-70497-3 MS	MW-19	44	66	70	61	64	66
600-70497-3 MSD	MW-19	40	63	71	56	63	64
LCS 600-102754/2-A	Lab Control Sample	57	86	90	77	85	81
MB 600-102754/1-A	Method Blank	60	91	95	77	91	73

Surrogate Legend

PHL = Phenol-d6
TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-70497-1	VCP-MW-4	105
600-70497-1 MS	VCP-MW-4	127
600-70497-1 MSD	VCP-MW-4	120
600-70497-3	MW-19	106
LCS 600-102547/2-A	Lab Control Sample	129
MB 600-102547/1-A	Method Blank	113

Surrogate Legend

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

OTPH = o-Terphenyl

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-102614/4
Matrix: Water
Analysis Batch: 102614

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			03/26/13 12:25	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:25	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			03/26/13 12:25	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			03/26/13 12:25	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			03/26/13 12:25	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			03/26/13 12:25	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			03/26/13 12:25	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			03/26/13 12:25	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			03/26/13 12:25	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			03/26/13 12:25	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			03/26/13 12:25	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			03/26/13 12:25	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			03/26/13 12:25	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			03/26/13 12:25	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			03/26/13 12:25	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			03/26/13 12:25	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:25	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			03/26/13 12:25	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			03/26/13 12:25	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			03/26/13 12:25	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			03/26/13 12:25	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			03/26/13 12:25	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			03/26/13 12:25	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			03/26/13 12:25	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			03/26/13 12:25	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			03/26/13 12:25	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			03/26/13 12:25	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			03/26/13 12:25	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			03/26/13 12:25	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			03/26/13 12:25	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			03/26/13 12:25	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			03/26/13 12:25	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			03/26/13 12:25	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			03/26/13 12:25	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			03/26/13 12:25	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			03/26/13 12:25	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			03/26/13 12:25	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			03/26/13 12:25	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			03/26/13 12:25	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			03/26/13 12:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*106*		*70 - 130*		*03/26/13 12:25*	*1*
Dibromofluoromethane	*92*		*62 - 130*		*03/26/13 12:25*	*1*
4-Bromofluorobenzene	*99*		*67 - 139*		*03/26/13 12:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*		*03/26/13 12:25*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-102614/3
Matrix: Water
Analysis Batch: 102614

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.08685		mg/L		87	28 - 152
Benzene	0.0500	0.05088		mg/L		102	69 - 131
Chlorobromomethane	0.0500	0.04730		mg/L		95	60 - 141
Bromoform	0.0500	0.04982		mg/L		100	39 - 149
Bromomethane	0.0500	0.04280		mg/L		86	52 - 146
2-Butanone (MEK)	0.100	0.08622		mg/L		86	59 - 133
Carbon disulfide	0.0500	0.05261		mg/L		105	32 - 177
Carbon tetrachloride	0.0500	0.05181		mg/L		104	59 - 147
Dibromochloromethane	0.0500	0.04945		mg/L		99	58 - 132
Chlorobenzene	0.0500	0.05584		mg/L		112	60 - 136
Chloroethane	0.0500	0.04033		mg/L		81	56 - 144
Chloroform	0.0500	0.05408		mg/L		108	69 - 128
Chloromethane	0.0500	0.04534		mg/L		91	32 - 151
1,1-Dichloroethane	0.0500	0.05136		mg/L		103	66 - 126
1,2-Dichloroethane	0.0500	0.05407		mg/L		108	66 - 140
1,1-Dichloroethene	0.0500	0.04977		mg/L		100	59 - 145
cis-1,2-Dichloroethene	0.0500	0.04950		mg/L		99	69 - 129
trans-1,2-Dichloroethene	0.0500	0.04585		mg/L		92	70 - 132
1,2-Dichloropropane	0.0500	0.05274		mg/L		105	72 - 135
cis-1,3-Dichloropropene	0.0500	0.04704		mg/L		94	60 - 135
trans-1,3-Dichloropropene	0.0500	0.05670		mg/L		113	63 - 133
Ethylbenzene	0.0500	0.05180		mg/L		104	68 - 128
2-Hexanone	0.100	0.08589		mg/L		86	51 - 130
Methylene Chloride	0.0500	0.04630		mg/L		93	62 - 134
4-Methyl-2-pentanone (MIBK)	0.100	0.09879		mg/L		99	56 - 142
Styrene	0.0500	0.05161		mg/L		103	68 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.05157		mg/L		103	68 - 134
Tetrachloroethene	0.0500	0.05652		mg/L		113	70 - 150
Toluene	0.0500	0.05224		mg/L		104	67 - 130
1,1,1-Trichloroethane	0.0500	0.05217		mg/L		104	65 - 142
1,1,2-Trichloroethane	0.0500	0.05264		mg/L		105	68 - 130
Trichloroethene	0.0500	0.05191		mg/L		104	68 - 130
Vinyl acetate	0.0500	0.04430		mg/L		89	58 - 175
Vinyl chloride	0.0500	0.04541		mg/L		91	47 - 146
o-Xylene	0.0500	0.05699		mg/L		114	68 - 134
m-Xylene & p-Xylene	0.100	0.1106		mg/L		111	67 - 132
Xylenes, Total	0.150	0.1676		mg/L		112	68 - 132
Bromodichloromethane	0.0500	0.04941		mg/L		99	73 - 130
1,2-Dichloroethene, Total	0.100	0.09535		mg/L		95	65 - 127
Methyl tert-butyl ether	0.0500	0.05147		mg/L		103	63 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*109*		*70 - 130*
Dibromofluoromethane	*100*		*62 - 130*
4-Bromofluorobenzene	*111*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*100*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70497-1 MS
Matrix: Water
Analysis Batch: 102614

Client Sample ID: VCP-MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00227	U	0.100	0.08053		mg/L		81	28 - 152
Benzene	0.000560	U	0.0500	0.05638		mg/L		113	51 - 152
Chlorobromomethane	0.000810	U	0.0500	0.04724		mg/L		94	61 - 150
Bromoform	0.000770	U	0.0500	0.04631		mg/L		93	34 - 166
Bromomethane	0.00215	U	0.0500	0.03958		mg/L		79	52 - 146
2-Butanone (MEK)	0.00157	U	0.100	0.08198		mg/L		82	17 - 153
Carbon disulfide	0.00170	U	0.0500	0.05150		mg/L		103	11 - 174
Carbon tetrachloride	0.000920	U	0.0500	0.05519		mg/L		110	49 - 176
Dibromochloromethane	0.000920	U	0.0500	0.04968		mg/L		99	41 - 178
Chlorobenzene	0.000820	U	0.0500	0.05775		mg/L		115	74 - 148
Chloroethane	0.00173	U	0.0500	0.04311		mg/L		86	56 - 144
Chloroform	0.000820	U	0.0500	0.05570		mg/L		111	70 - 148
Chloromethane	0.000850	U	0.0500	0.04318		mg/L		86	32 - 151
1,1-Dichloroethane	0.000500	U	0.0500	0.05566		mg/L		111	55 - 150
1,2-Dichloroethane	0.00101	U	0.0500	0.04920		mg/L		98	64 - 158
1,1-Dichloroethene	0.000760	U	0.0500	0.05022		mg/L		100	46 - 168
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.04926		mg/L		99	48 - 145
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.05147		mg/L		103	40 - 164
1,2-Dichloropropane	0.00141	U	0.0500	0.05747		mg/L		115	47 - 147
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.05147		mg/L		103	63 - 144
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.06003		mg/L		120	72 - 150
Ethylbenzene	0.00129	U	0.0500	0.05600		mg/L		112	75 - 152
2-Hexanone	0.00142	U	0.100	0.08862		mg/L		89	38 - 136
Methylene Chloride	0.00143	U	0.0500	0.04409		mg/L		88	14 - 175
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1038		mg/L		104	35 - 152
Styrene	0.000560	U	0.0500	0.05423		mg/L		108	68 - 133
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05601		mg/L		112	10 - 179
Tetrachloroethene	0.00124	U	0.0500	0.06056		mg/L		121	38 - 220
Toluene	0.000550	U	0.0500	0.05692		mg/L		114	67 - 130
1,1,1-Trichloroethane	0.000980	U	0.0500	0.05481		mg/L		110	66 - 158
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05242		mg/L		105	75 - 136
Trichloroethene	0.00158	U	0.0500	0.05743		mg/L		115	45 - 189
Vinyl acetate	0.000600	U	0.0500	0.04287		mg/L		86	58 - 175
Vinyl chloride	0.000850	U	0.0500	0.04365		mg/L		87	59 - 138
o-Xylene	0.000930	U	0.0500	0.05951		mg/L		119	49 - 180
m-Xylene & p-Xylene	0.00126	U	0.100	0.1188		mg/L		119	67 - 132
Xylenes, Total	0.00198	U	0.150	0.1783		mg/L		119	10 - 226
Bromodichloromethane	0.000760	U	0.0500	0.05470		mg/L		109	72 - 153
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1007		mg/L		101	45 - 153
Methyl tert-butyl ether	0.000440	U	0.0500	0.05350		mg/L		107	37 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*70 - 130*
Dibromofluoromethane	*89*		*62 - 130*
4-Bromofluorobenzene	*110*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*88*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-70497-1 MSD
Matrix: Water
Analysis Batch: 102614

Client Sample ID: VCP-MW-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00227	U	0.100	0.09694		mg/L		97	28 - 152	18	25
Benzene	0.000560	U	0.0500	0.05647		mg/L		113	51 - 152	0	21
Chlorobromomethane	0.000810	U	0.0500	0.05211		mg/L		104	61 - 150	10	25
Bromoform	0.000770	U	0.0500	0.05599		mg/L		112	34 - 166	19	25
Bromomethane	0.00215	U	0.0500	0.04681		mg/L		94	52 - 146	17	25
2-Butanone (MEK)	0.00157	U	0.100	0.09972		mg/L		100	17 - 153	20	25
Carbon disulfide	0.00170	U	0.0500	0.05439		mg/L		109	11 - 174	5	25
Carbon tetrachloride	0.000920	U	0.0500	0.05841		mg/L		117	49 - 176	6	25
Dibromochloromethane	0.000920	U	0.0500	0.05405		mg/L		108	41 - 178	8	25
Chlorobenzene	0.000820	U	0.0500	0.06325		mg/L		126	74 - 148	9	21
Chloroethane	0.00173	U	0.0500	0.04685		mg/L		94	56 - 144	8	25
Chloroform	0.000820	U	0.0500	0.06320		mg/L		126	70 - 148	13	25
Chloromethane	0.000850	U	0.0500	0.04970		mg/L		99	32 - 151	14	25
1,1-Dichloroethane	0.000500	U	0.0500	0.05441		mg/L		109	55 - 150	2	25
1,2-Dichloroethane	0.00101	U	0.0500	0.05896		mg/L		118	64 - 158	18	25
1,1-Dichloroethene	0.000760	U	0.0500	0.05666		mg/L		113	46 - 168	12	22
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.05165		mg/L		103	48 - 145	5	25
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.05487		mg/L		110	40 - 164	6	25
1,2-Dichloropropane	0.00141	U	0.0500	0.05710		mg/L		114	47 - 147	1	25
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.05514		mg/L		110	63 - 144	7	25
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.05983		mg/L		120	72 - 150	0	25
Ethylbenzene	0.00129	U	0.0500	0.06288		mg/L		126	75 - 152	12	25
2-Hexanone	0.00142	U	0.100	0.1021		mg/L		102	38 - 136	14	25
Methylene Chloride	0.00143	U	0.0500	0.04833		mg/L		97	14 - 175	9	25
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1220		mg/L		122	35 - 152	16	25
Styrene	0.000560	U	0.0500	0.06214		mg/L		124	68 - 133	14	25
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.05691		mg/L		114	10 - 179	2	25
Tetrachloroethene	0.00124	U	0.0500	0.06485		mg/L		130	38 - 220	7	25
Toluene	0.000550	U	0.0500	0.06024		mg/L		120	67 - 130	6	21
1,1,1-Trichloroethane	0.000980	U	0.0500	0.05990		mg/L		120	66 - 158	9	25
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05724		mg/L		114	75 - 136	9	25
Trichloroethene	0.00158	U	0.0500	0.05807		mg/L		116	45 - 189	1	24
Vinyl acetate	0.000600	U	0.0500	0.04262		mg/L		85	58 - 175	1	25
Vinyl chloride	0.000850	U	0.0500	0.04846		mg/L		97	59 - 138	10	25
o-Xylene	0.000930	U	0.0500	0.06508		mg/L		130	49 - 180	9	25
m-Xylene & p-Xylene	0.00126	U	0.100	0.1258		mg/L		126	67 - 132	6	25
Xylenes, Total	0.00198	U	0.150	0.1909		mg/L		127	10 - 226	7	25
Bromodichloromethane	0.000760	U	0.0500	0.05472		mg/L		109	72 - 153	0	25
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1065		mg/L		107	45 - 153	6	25
Methyl tert-butyl ether	0.000440	U	0.0500	0.05638		mg/L		113	37 - 135	5	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*112*		*70 - 130*
Dibromofluoromethane	*98*		*62 - 130*
4-Bromofluorobenzene	*103*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-102754/1-A
Matrix: Water
Analysis Batch: 102941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102754

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0800	U	1.00	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Acenaphthylene	0.0600	U	1.00	0.0600	ug/L		03/28/13 11:55	03/29/13 17:43	1
Anthracene	0.0500	U	1.00	0.0500	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzidine	0.610	U	10.0	0.610	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzo[a]anthracene	0.0800	U	2.00	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzo[b]fluoranthene	0.0700	U	2.00	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzo[k]fluoranthene	0.0900	U	2.00	0.0900	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzo[g,h,i]perylene	0.0800	U	2.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzo[a]pyrene	0.0800	U	1.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Bis(2-chloroethoxy)methane	0.130	U	1.50	0.130	ug/L		03/28/13 11:55	03/29/13 17:43	1
Bis(2-chloroethyl)ether	0.150	U	1.50	0.150	ug/L		03/28/13 11:55	03/29/13 17:43	1
Bis(2-ethylhexyl) phthalate	0.370	U	2.50	0.370	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Bromophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		03/28/13 11:55	03/29/13 17:43	1
Butyl benzyl phthalate	0.120	U	2.50	0.120	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Chloroaniline	0.210	U	1.00	0.210	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Chloronaphthalene	0.0800	U	1.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Chlorophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		03/28/13 11:55	03/29/13 17:43	1
Carbazole	0.170	U	6.25	0.170	ug/L		03/28/13 11:55	03/29/13 17:43	1
Chrysene	0.0800	U	1.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Di-n-butyl phthalate	0.110	U	2.50	0.110	ug/L		03/28/13 11:55	03/29/13 17:43	1
Dibenz(a,h)anthracene	0.0800	U	2.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
Dibenzofuran	0.0800	U	1.50	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
1,2-Dichlorobenzene	0.170	U	1.75	0.170	ug/L		03/28/13 11:55	03/29/13 17:43	1
1,3-Dichlorobenzene	0.170	U	1.50	0.170	ug/L		03/28/13 11:55	03/29/13 17:43	1
1,4-Dichlorobenzene	0.130	U	2.00	0.130	ug/L		03/28/13 11:55	03/29/13 17:43	1
3,3'-Dichlorobenzidine	0.180	U	10.0	0.180	ug/L		03/28/13 11:55	03/29/13 17:43	1
Diethyl phthalate	1.50	U	2.50	1.50	ug/L		03/28/13 11:55	03/29/13 17:43	1
Dimethyl phthalate	0.0700	U	2.50	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4-Dinitrotoluene	0.130	U	1.50	0.130	ug/L		03/28/13 11:55	03/29/13 17:43	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		03/28/13 11:55	03/29/13 17:43	1
Fluoranthene	0.0700	U	2.50	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
Fluorene	0.0700	U	1.50	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
Hexachlorobenzene	0.110	U	1.50	0.110	ug/L		03/28/13 11:55	03/29/13 17:43	1
Hexachlorocyclopentadiene	0.130	U	1.50	0.130	ug/L		03/28/13 11:55	03/29/13 17:43	1
Hexachloroethane	0.100	U	2.00	0.100	ug/L		03/28/13 11:55	03/29/13 17:43	1
Hexachlorobutadiene	0.180	U	2.00	0.180	ug/L		03/28/13 11:55	03/29/13 17:43	1
Indeno[1,2,3-cd]pyrene	0.0700	U	2.00	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
Isophorone	0.110	U	1.50	0.110	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Methylnaphthalene	0.0700	U	1.50	0.0700	ug/L		03/28/13 11:55	03/29/13 17:43	1
Naphthalene	0.0800	U	5.00	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Nitroaniline	0.190	U	2.50	0.190	ug/L		03/28/13 11:55	03/29/13 17:43	1
3-Nitroaniline	0.160	U	2.50	0.160	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Nitroaniline	0.250	U	2.50	0.250	ug/L		03/28/13 11:55	03/29/13 17:43	1
Nitrobenzene	0.110	U	1.50	0.110	ug/L		03/28/13 11:55	03/29/13 17:43	1
N-Nitrosodimethylamine	0.260	U	2.00	0.260	ug/L		03/28/13 11:55	03/29/13 17:43	1
N-Nitrosodiphenylamine	0.100	U	1.50	0.100	ug/L		03/28/13 11:55	03/29/13 17:43	1
N-Nitrosodi-n-propylamine	0.100	U	2.50	0.100	ug/L		03/28/13 11:55	03/29/13 17:43	1
Phenanthrene	0.0600	U	1.50	0.0600	ug/L		03/28/13 11:55	03/29/13 17:43	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-102754/1-A
Matrix: Water
Analysis Batch: 102941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102754

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.110	U	2.00	0.110	ug/L		03/28/13 11:55	03/29/13 17:43	1
1,2,4-Trichlorobenzene	0.120	U	2.00	0.120	ug/L		03/28/13 11:55	03/29/13 17:43	1
Benzyl alcohol	0.170	U	5.50	0.170	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Chloro-3-methylphenol	0.170	U	1.00	0.170	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Chlorophenol	0.130	U	2.00	0.130	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Methylphenol	0.120	U	1.50	0.120	ug/L		03/28/13 11:55	03/29/13 17:43	1
3 & 4 Methylphenol	0.200	U	1.00	0.200	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4-Dichlorophenol	0.150	U	2.50	0.150	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4-Dimethylphenol	0.310	U	2.50	0.310	ug/L		03/28/13 11:55	03/29/13 17:43	1
4,6-Dinitro-2-methylphenol	0.830	U	2.50	0.830	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4-Dinitrophenol	0.390	U	5.00	0.390	ug/L		03/28/13 11:55	03/29/13 17:43	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		03/28/13 11:55	03/29/13 17:43	1
4-Nitrophenol	0.560	U	2.50	0.560	ug/L		03/28/13 11:55	03/29/13 17:43	1
Pentachlorophenol	0.610	U	2.50	0.610	ug/L		03/28/13 11:55	03/29/13 17:43	1
Phenol	0.0400	U	1.50	0.0400	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4,5-Trichlorophenol	0.250	U	2.00	0.250	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,4,6-Trichlorophenol	0.180	U	2.00	0.180	ug/L		03/28/13 11:55	03/29/13 17:43	1
2,6-Dinitrotoluene	0.0800	U	1.00	0.0800	ug/L		03/28/13 11:55	03/29/13 17:43	1
bis (2-Chloroisopropyl) ether	0.400	U	1.50	0.400	ug/L		03/28/13 11:55	03/29/13 17:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*60*		*12 - 128*	*03/28/13 11:55*	*03/29/13 17:43*	*1*
Terphenyl-d14	*91*		*33 - 141*	*03/28/13 11:55*	*03/29/13 17:43*	*1*
Nitrobenzene-d5	*95*		*47 - 120*	*03/28/13 11:55*	*03/29/13 17:43*	*1*
2-Fluorophenol	*77*		*18 - 120*	*03/28/13 11:55*	*03/29/13 17:43*	*1*
2-Fluorobiphenyl	*91*		*43 - 120*	*03/28/13 11:55*	*03/29/13 17:43*	*1*
2,4,6-Tribromophenol	*73*		*44 - 123*	*03/28/13 11:55*	*03/29/13 17:43*	*1*

Lab Sample ID: LCS 600-102754/2-A
Matrix: Water
Analysis Batch: 102941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	7.888		ug/L		79	47 - 145
Acenaphthylene	10.0	8.264		ug/L		83	35 - 135
Anthracene	10.0	9.370		ug/L		94	53 - 124
Benzidine	200	61.53		ug/L		31	10 - 120
Benzo[a]anthracene	10.0	7.856		ug/L		79	53 - 122
Benzo[b]fluoranthene	10.0	8.364		ug/L		84	53 - 131
Benzo[k]fluoranthene	10.0	8.142		ug/L		81	46 - 130
Benzo[g,h,i]perylene	10.0	8.687		ug/L		87	46 - 133
Benzo[a]pyrene	10.0	8.086		ug/L		81	50 - 124
Bis(2-chloroethoxy)methane	10.0	9.539		ug/L		95	42 - 119
Bis(2-chloroethyl)ether	10.0	7.643		ug/L		76	40 - 112
Bis(2-ethylhexyl) phthalate	10.0	8.576		ug/L		86	47 - 132
4-Bromophenyl phenyl ether	10.0	8.895		ug/L		89	46 - 129
Butyl benzyl phthalate	10.0	9.036		ug/L		90	50 - 126
4-Chloroaniline	10.0	12.68		ug/L		127	19 - 129

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102754/2-A
Matrix: Water
Analysis Batch: 102941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	10.0	7.979		ug/L		80	43 - 120
4-Chlorophenyl phenyl ether	10.0	7.176		ug/L		72	48 - 125
Carbazole	10.0	10.93		ug/L		109	42 - 169
Chrysene	10.0	8.275		ug/L		83	49 - 124
Di-n-butyl phthalate	10.0	8.564		ug/L		86	54 - 138
Dibenz(a,h)anthracene	10.0	9.245		ug/L		92	42 - 134
Dibenzofuran	10.0	7.762		ug/L		78	46 - 123
1,2-Dichlorobenzene	10.0	7.657		ug/L		77	40 - 121
1,3-Dichlorobenzene	10.0	7.683		ug/L		77	39 - 122
1,4-Dichlorobenzene	10.0	7.911		ug/L		79	45 - 124
3,3'-Dichlorobenzidine	10.0	4.183	J	ug/L		42	38 - 168
Diethyl phthalate	10.0	7.436		ug/L		74	51 - 123
Dimethyl phthalate	10.0	7.930		ug/L		79	49 - 121
2,4-Dinitrotoluene	10.0	8.181		ug/L		82	43 - 128
Di-n-octyl phthalate	10.0	8.915		ug/L		89	27 - 157
Fluoranthene	10.0	9.065		ug/L		91	53 - 127
Fluorene	10.0	7.352		ug/L		74	48 - 127
Hexachlorobenzene	10.0	8.398		ug/L		84	46 - 129
Hexachlorocyclopentadiene	10.0	4.702		ug/L		47	21 - 126
Hexachloroethane	10.0	7.491		ug/L		75	43 - 118
Hexachlorobutadiene	10.0	7.474		ug/L		75	32 - 143
Indeno[1,2,3-cd]pyrene	10.0	8.587		ug/L		86	45 - 124
Isophorone	10.0	8.717		ug/L		87	42 - 116
2-Methylnaphthalene	10.0	7.705		ug/L		77	40 - 121
Naphthalene	10.0	9.269		ug/L		93	39 - 120
2-Nitroaniline	10.0	9.848		ug/L		98	42 - 130
3-Nitroaniline	10.0	18.57	*	ug/L		186	47 - 138
4-Nitroaniline	10.0	11.01		ug/L		110	32 - 139
Nitrobenzene	10.0	8.880		ug/L		89	42 - 119
N-Nitrosodimethylamine	10.0	8.546		ug/L		85	26 - 104
N-Nitrosodiphenylamine	10.0	9.724		ug/L		97	43 - 107
N-Nitrosodi-n-propylamine	10.0	8.770		ug/L		88	39 - 124
Phenanthrene	10.0	8.494		ug/L		85	52 - 121
Pyrene	10.0	8.297		ug/L		83	49 - 121
1,2,4-Trichlorobenzene	10.0	7.900		ug/L		79	38 - 118
Benzyl alcohol	10.0	9.085		ug/L		91	39 - 115
4-Chloro-3-methylphenol	10.0	8.980		ug/L		90	44 - 131
2-Chlorophenol	10.0	8.793		ug/L		88	23 - 134
2-Methylphenol	10.0	8.087		ug/L		81	34 - 109
3 & 4 Methylphenol	10.0	8.219		ug/L		82	27 - 113
2,4-Dichlorophenol	10.0	8.821		ug/L		88	39 - 118
2,4-Dimethylphenol	10.0	8.294		ug/L		83	36 - 109
4,6-Dinitro-2-methylphenol	10.0	11.05		ug/L		110	24 - 122
2,4-Dinitrophenol	10.0	12.61		ug/L		126	23 - 130
2-Nitrophenol	10.0	9.357		ug/L		94	40 - 121
4-Nitrophenol	10.0	4.623		ug/L		46	14 - 132
Pentachlorophenol	10.0	6.700		ug/L		67	9 - 147
Phenol	10.0	5.942		ug/L		59	11 - 112

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-102754/2-A
Matrix: Water
Analysis Batch: 102941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	10.0	8.641		ug/L		86	38 - 145
2,4,6-Trichlorophenol	10.0	8.043		ug/L		80	39 - 123
2,6-Dinitrotoluene	10.0	8.639		ug/L		86	45 - 122
bis (2-Chloroisopropyl) ether	10.0	11.09		ug/L		111	41 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*57*		*12 - 128*
Terphenyl-d14	*86*		*33 - 141*
Nitrobenzene-d5	*90*		*47 - 120*
2-Fluorophenol	*77*		*18 - 120*
2-Fluorobiphenyl	*85*		*43 - 120*
2,4,6-Tribromophenol	*81*		*44 - 123*

Lab Sample ID: 600-70497-3 MS
Matrix: Water
Analysis Batch: 102941

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0769	U	19.2	10.69		ug/L		56	46 - 118
Acenaphthylene	0.0577	U	19.2	10.61		ug/L		55	38 - 115
Anthracene	0.0481	U	19.2	12.78		ug/L		66	35 - 116
Benzidine	0.587	U	385	125.1		ug/L		33	0 - 150
Benzo[a]anthracene	0.0769	U	19.2	11.51		ug/L		60	24 - 126
Benzo[b]fluoranthene	0.0673	U	19.2	11.75		ug/L		61	31 - 119
Benzo[k]fluoranthene	0.0865	U	19.2	11.48		ug/L		60	29 - 117
Benzo[g,h,i]perylene	0.0769	U	19.2	12.47		ug/L		65	10 - 123
Benzo[a]pyrene	0.0769	U	19.2	11.51		ug/L		60	60 - 140
Bis(2-chloroethoxy)methane	0.125	U	19.2	13.45		ug/L		70	42 - 101
Bis(2-chloroethyl)ether	0.144	U	19.2	10.94		ug/L		57	20 - 107
Bis(2-ethylhexyl) phthalate	0.356	U	19.2	12.07		ug/L		63	14 - 123
4-Bromophenyl phenyl ether	0.0962	U	19.2	12.47		ug/L		65	50 - 113
Butyl benzyl phthalate	0.115	U	19.2	13.60		ug/L		71	36 - 144
4-Chloroaniline	0.202	U	19.2	17.95		ug/L		93	49 - 151
2-Chloronaphthalene	0.0769	U	19.2	11.04		ug/L		57	42 - 100
4-Chlorophenyl phenyl ether	0.0962	U	19.2	9.772		ug/L		51	41 - 116
Carbazole	0.163	U	19.2	18.52		ug/L		96	30 - 130
Chrysene	0.0769	U	19.2	11.44		ug/L		59	23 - 128
Di-n-butyl phthalate	0.106	U	19.2	11.70		ug/L		61	31 - 137
Dibenz(a,h)anthracene	0.0769	U	19.2	12.91		ug/L		67	62 - 138
Dibenzofuran	0.0769	U	19.2	10.12		ug/L		53	46 - 110
1,2-Dichlorobenzene	0.163	U	19.2	10.62		ug/L		55	42 - 96
1,3-Dichlorobenzene	0.163	U	19.2	10.79		ug/L		56	40 - 95
1,4-Dichlorobenzene	0.125	U	19.2	10.90		ug/L		57	36 - 99
3,3'-Dichlorobenzidine	0.173	U	19.2	12.99		ug/L		68	33 - 167
Diethyl phthalate	1.44	U	19.2	10.53	N	ug/L		55	60 - 140
Dimethyl phthalate	0.0673	U	19.2	11.61		ug/L		60	51 - 120
2,4-Dinitrotoluene	0.125	U	19.2	11.56		ug/L		60	41 - 125
Di-n-octyl phthalate	0.154	U	19.2	12.43		ug/L		65	30 - 170

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70497-3 MS
Matrix: Water
Analysis Batch: 102941

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0673	U	19.2	12.37		ug/L		64	14 - 145
Fluorene	0.0673	U	19.2	10.07		ug/L		52	44 - 112
Hexachlorobenzene	0.106	U	19.2	11.82		ug/L		61	29 - 126
Hexachlorocyclopentadiene	0.125	U	19.2	8.492		ug/L		44	10 - 109
Hexachloroethane	0.0962	U	19.2	10.68		ug/L		56	35 - 101
Hexachlorobutadiene	0.173	U	19.2	10.84		ug/L		56	36 - 101
Indeno[1,2,3-cd]pyrene	0.0673	U	19.2	12.54		ug/L		65	60 - 140
Isophorone	0.106	U	19.2	12.37		ug/L		64	45 - 109
2-Methylnaphthalene	0.0673	U	19.2	10.64		ug/L		55	36 - 111
Naphthalene	0.0769	U	19.2	11.98		ug/L		62	34 - 99
2-Nitroaniline	0.183	U	19.2	15.50		ug/L		81	30 - 130
3-Nitroaniline	0.154	U *	19.2	23.91		ug/L		124	30 - 130
4-Nitroaniline	0.240	U	19.2	16.28		ug/L		85	46 - 154
Nitrobenzene	0.106	U	19.2	12.82		ug/L		67	37 - 104
N-Nitrosodimethylamine	0.250	U	19.2	12.55		ug/L		65	30 - 130
N-Nitrosodiphenylamine	0.0962	U	19.2	13.92		ug/L		72	58 - 142
N-Nitrosodi-n-propylamine	0.0962	U	19.2	11.92		ug/L		62	44 - 110
Phenanthrene	0.0577	U	19.2	11.31		ug/L		59	41 - 117
Pyrene	0.106	U	19.2	11.66		ug/L		61	28 - 133
1,2,4-Trichlorobenzene	0.115	U	19.2	11.38		ug/L		59	39 - 98
Benzyl alcohol	0.163	U	19.2	12.34		ug/L		64	17 - 111
4-Chloro-3-methylphenol	0.163	U	19.2	13.31		ug/L		69	67 - 133
2-Chlorophenol	0.125	U	19.2	12.41		ug/L		65	36 - 96
2-Methylphenol	0.115	U	19.2	11.19		ug/L		58	22 - 94
3 & 4 Methylphenol	0.192	U	19.2	11.63		ug/L		60	12 - 111
2,4-Dichlorophenol	0.144	U	19.2	13.15		ug/L		68	40 - 106
2,4-Dimethylphenol	0.298	U	19.2	11.46		ug/L		60	25 - 85
4,6-Dinitro-2-methylphenol	0.798	U	19.2	16.69		ug/L		87	28 - 128
2,4-Dinitrophenol	0.375	U	19.2	20.86		ug/L		108	40 - 140
2-Nitrophenol	0.212	U	19.2	14.20		ug/L		74	48 - 100
4-Nitrophenol	0.538	U	19.2	7.520		ug/L		39	10 - 100
Pentachlorophenol	0.587	U	19.2	10.76		ug/L		56	45 - 155
Phenol	0.0385	U	19.2	8.489		ug/L		44	10 - 62
2,4,5-Trichlorophenol	0.240	U	19.2	13.03		ug/L		68	45 - 116
2,4,6-Trichlorophenol	0.173	U	19.2	12.12		ug/L		63	62 - 107
2,6-Dinitrotoluene	0.0769	U	19.2	13.05		ug/L		68	47 - 118
bis (2-Chloroisopropyl) ether	0.385	U	19.2	15.40		ug/L		80	41 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*44*		*12 - 128*
Terphenyl-d14	*66*		*33 - 141*
Nitrobenzene-d5	*70*		*47 - 120*
2-Fluorophenol	*61*		*18 - 120*
2-Fluorobiphenyl	*64*		*43 - 120*
2,4,6-Tribromophenol	*66*		*44 - 123*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70497-3 MSD
Matrix: Water
Analysis Batch: 102941

Client Sample ID: MW-19
Prep Type: Total/NA
Prep Batch: 102754

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0769	U	19.2	10.54		ug/L		55	46 - 118	1	20
Acenaphthylene	0.0577	U	19.2	10.32		ug/L		54	38 - 115	3	20
Anthracene	0.0481	U	19.2	12.49		ug/L		65	35 - 116	2	20
Benzidine	0.587	U	385	164.5		ug/L		43	0 - 150	27	40
Benzo[a]anthracene	0.0769	U	19.2	10.94		ug/L		57	24 - 126	5	20
Benzo[b]fluoranthene	0.0673	U	19.2	11.71		ug/L		61	31 - 119	0	20
Benzo[k]fluoranthene	0.0865	U	19.2	10.03		ug/L		52	29 - 117	14	20
Benzo[g,h,i]perylene	0.0769	U	19.2	12.56		ug/L		65	10 - 123	1	20
Benzo[a]pyrene	0.0769	U	19.2	11.15	N	ug/L		58	60 - 140	3	20
Bis(2-chloroethoxy)methane	0.125	U	19.2	13.38		ug/L		70	42 - 101	0	20
Bis(2-chloroethyl)ether	0.144	U	19.2	10.69		ug/L		56	20 - 107	2	20
Bis(2-ethylhexyl) phthalate	0.356	U	19.2	11.56		ug/L		60	14 - 123	4	20
4-Bromophenyl phenyl ether	0.0962	U	19.2	12.49		ug/L		65	50 - 113	0	20
Butyl benzyl phthalate	0.115	U	19.2	12.63		ug/L		66	36 - 144	7	20
4-Chloroaniline	0.202	U	19.2	17.57		ug/L		91	49 - 151	2	20
2-Chloronaphthalene	0.0769	U	19.2	10.87		ug/L		57	42 - 100	2	20
4-Chlorophenyl phenyl ether	0.0962	U	19.2	9.487		ug/L		49	41 - 116	3	20
Carbazole	0.163	U	19.2	15.16		ug/L		79	30 - 130	20	20
Chrysene	0.0769	U	19.2	11.37		ug/L		59	23 - 128	1	20
Di-n-butyl phthalate	0.106	U	19.2	11.35		ug/L		59	31 - 137	3	20
Dibenz(a,h)anthracene	0.0769	U	19.2	12.98		ug/L		67	62 - 138	1	20
Dibenzofuran	0.0769	U	19.2	10.06		ug/L		52	46 - 110	1	20
1,2-Dichlorobenzene	0.163	U	19.2	10.51		ug/L		55	42 - 96	1	20
1,3-Dichlorobenzene	0.163	U	19.2	10.71		ug/L		56	40 - 95	1	20
1,4-Dichlorobenzene	0.125	U	19.2	10.68		ug/L		56	36 - 99	2	20
3,3'-Dichlorobenzidine	0.173	U	19.2	11.61		ug/L		60	33 - 167	11	20
Diethyl phthalate	1.44	U	19.2	10.11	N	ug/L		53	60 - 140	4	20
Dimethyl phthalate	0.0673	U	19.2	11.25		ug/L		58	51 - 120	3	20
2,4-Dinitrotoluene	0.125	U	19.2	10.87		ug/L		57	41 - 125	6	20
Di-n-octyl phthalate	0.154	U	19.2	11.47		ug/L		60	30 - 170	8	20
Fluoranthene	0.0673	U	19.2	11.71		ug/L		61	14 - 145	5	20
Fluorene	0.0673	U	19.2	9.763		ug/L		51	44 - 112	3	20
Hexachlorobenzene	0.106	U	19.2	11.74		ug/L		61	29 - 126	1	20
Hexachlorocyclopentadiene	0.125	U	19.2	9.055		ug/L		47	10 - 109	6	20
Hexachloroethane	0.0962	U	19.2	10.51		ug/L		55	35 - 101	2	20
Hexachlorobutadiene	0.173	U	19.2	10.62		ug/L		55	36 - 101	2	20
Indeno[1,2,3-cd]pyrene	0.0673	U	19.2	12.51		ug/L		65	60 - 140	0	20
Isophorone	0.106	U	19.2	12.17		ug/L		63	45 - 109	2	20
2-Methylnaphthalene	0.0673	U	19.2	10.30		ug/L		54	36 - 111	3	20
Naphthalene	0.0769	U	19.2	11.79		ug/L		61	34 - 99	2	20
2-Nitroaniline	0.183	U	19.2	15.25		ug/L		79	30 - 130	2	20
3-Nitroaniline	0.154	U *	19.2	23.79		ug/L		124	30 - 130	1	20
4-Nitroaniline	0.240	U	19.2	13.96		ug/L		73	46 - 154	15	20
Nitrobenzene	0.106	U	19.2	12.75		ug/L		66	37 - 104	1	20
N-Nitrosodimethylamine	0.250	U	19.2	11.88		ug/L		62	30 - 130	6	20
N-Nitrosodiphenylamine	0.0962	U	19.2	13.66		ug/L		71	58 - 142	2	20
N-Nitrosodi-n-propylamine	0.0962	U	19.2	12.49		ug/L		65	44 - 110	5	20
Phenanthrene	0.0577	U	19.2	11.17		ug/L		58	41 - 117	1	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-70497-3 MSD — **Client Sample ID: MW-19**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102941 — **Prep Batch: 102754**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.106	U	19.2	10.90		ug/L		57	28 - 133	7	20
1,2,4-Trichlorobenzene	0.115	U	19.2	11.23		ug/L		58	39 - 98	1	20
Benzyl alcohol	0.163	U	19.2	12.55		ug/L		65	17 - 111	2	20
4-Chloro-3-methylphenol	0.163	U	19.2	13.12		ug/L		68	67 - 133	1	20
2-Chlorophenol	0.125	U	19.2	12.28		ug/L		64	36 - 96	1	20
2-Methylphenol	0.115	U	19.2	11.22		ug/L		58	22 - 94	0	20
3 & 4 Methylphenol	0.192	U	19.2	11.48		ug/L		60	12 - 111	1	20
2,4-Dichlorophenol	0.144	U	19.2	12.57		ug/L		65	40 - 106	5	20
2,4-Dimethylphenol	0.298	U	19.2	11.38		ug/L		59	25 - 85	1	20
4,6-Dinitro-2-methylphenol	0.798	U	19.2	16.27		ug/L		85	28 - 128	2	20
2,4-Dinitrophenol	0.375	U	19.2	23.58		ug/L		123	40 - 140	12	20
2-Nitrophenol	0.212	U	19.2	14.02		ug/L		73	48 - 100	1	20
4-Nitrophenol	0.538	U	19.2	7.458		ug/L		39	10 - 100	1	20
Pentachlorophenol	0.587	U	19.2	11.87		ug/L		62	45 - 155	10	20
Phenol	0.0385	U	19.2	8.189		ug/L		43	10 - 62	4	20
2,4,5-Trichlorophenol	0.240	U	19.2	13.58		ug/L		71	45 - 116	4	20
2,4,6-Trichlorophenol	0.173	U	19.2	11.81	N	ug/L		61	62 - 107	3	20
2,6-Dinitrotoluene	0.0769	U	19.2	12.68		ug/L		66	47 - 118	3	20
bis (2-Chloroisopropyl) ether	0.385	U	19.2	15.21		ug/L		79	41 - 111	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*40*		*12 - 128*
Terphenyl-d14	*63*		*33 - 141*
Nitrobenzene-d5	*71*		*47 - 120*
2-Fluorophenol	*56*		*18 - 120*
2-Fluorobiphenyl	*63*		*43 - 120*
2,4,6-Tribromophenol	*64*		*44 - 123*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-102547/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 102634 — **Prep Batch: 102547**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.830	U	5.00	0.830	mg/L		03/26/13 10:47	03/26/13 11:32	1
>C12-C28	0.960	U	5.00	0.960	mg/L		03/26/13 10:47	03/26/13 11:32	1
>C28-C35	0.960	U	5.00	0.960	mg/L		03/26/13 10:47	03/26/13 11:32	1
C6-C35	1.56	U	5.00	1.56	mg/L		03/26/13 10:47	03/26/13 11:32	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*70 - 130*	*03/26/13 10:47*	*03/26/13 11:32*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 600-102547/2-A
Matrix: Water
Analysis Batch: 102634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102547

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			33.3	31.59		mg/L		95	75 - 125		
>C12-C28			33.3	35.86		mg/L		108	75 - 125		
C6-C35			66.7	67.45		mg/L		101	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: 600-70497-1 MS
Matrix: Water
Analysis Batch: 102634

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 102547

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12	0.813	U	32.8	29.16		mg/L		89	75 - 125		
>C12-C28	0.940	U	32.8	33.42		mg/L		102	75 - 125		
C6-C35	1.53	U	65.7	62.58		mg/L		95	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: 600-70497-1 MSD
Matrix: Water
Analysis Batch: 102634

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 102547

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	0.813	U	32.9	29.55		mg/L		90	75 - 125	1	20
>C12-C28	0.940	U	32.9	32.74		mg/L		99	75 - 125	2	20
C6-C35	1.53	U	65.9	62.29		mg/L		95	75 - 125	0	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*120*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-102755/1-A
Matrix: Water
Analysis Batch: 102811

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102755

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		03/28/13 12:02	03/29/13 07:01	1
Cr	0.002300	J	0.0100	0.00155	mg/L		03/28/13 12:02	03/29/13 07:01	1
Cd	0.000350	U	0.00500	0.000350	mg/L		03/28/13 12:02	03/29/13 07:01	1
Ba	0.002500	J	0.0200	0.00220	mg/L		03/28/13 12:02	03/29/13 07:01	1
As	0.00328	U	0.0100	0.00328	mg/L		03/28/13 12:02	03/29/13 07:01	1
Ag	0.00125	U	0.0100	0.00125	mg/L		03/28/13 12:02	03/29/13 07:01	1
Se	0.00417	U	0.0400	0.00417	mg/L		03/28/13 12:02	03/29/13 07:01	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 600-102755/2-A
Matrix: Water
Analysis Batch: 102811

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102755

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	1.00	0.9847		mg/L		98	80 - 120
Cr	1.00	0.9770		mg/L		98	80 - 120
Cd	0.500	0.4938		mg/L		99	80 - 120
Ba	1.00	0.9627		mg/L		96	80 - 120
As	1.00	0.9982		mg/L		100	80 - 120
Ag	0.500	0.4943		mg/L		99	80 - 120
Se	1.00	0.9832		mg/L		98	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-102620/7-A
Matrix: Water
Analysis Batch: 102653

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 102620

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		03/27/13 05:46	03/27/13 09:29	1

Lab Sample ID: LCS 600-102620/8-A
Matrix: Water
Analysis Batch: 102653

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 102620

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.00	2.943		ug/L		98	70 - 130

Lab Sample ID: 600-70497-1 MS
Matrix: Water
Analysis Batch: 102653

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 102620

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0820	U	3.00	2.740		ug/L		91	75 - 125

Lab Sample ID: 600-70497-1 DU
Matrix: Water
Analysis Batch: 102653

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 102620

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0820	U	0.0820	U	ug/L		NC	20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	0.00500	0.000980	mg/L	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000800	mg/L	8260B
1,1,2-Trichloroethane	0.00500	0.000530	mg/L	8260B
1,1-Dichloroethane	0.00500	0.000500	mg/L	8260B
1,1-Dichloroethene	0.00500	0.000760	mg/L	8260B
1,2-Dichloroethane	0.00500	0.00101	mg/L	8260B
1,2-Dichloroethene, Total	0.0100	0.000840	mg/L	8260B
1,2-Dichloropropane	0.00500	0.00141	mg/L	8260B
2-Butanone (MEK)	0.0100	0.00157	mg/L	8260B
2-Hexanone	0.0100	0.00142	mg/L	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00111	mg/L	8260B
Acetone	0.0100	0.00227	mg/L	8260B
Benzene	0.00500	0.000560	mg/L	8260B
Bromodichloromethane	0.00500	0.000760	mg/L	8260B
Bromoform	0.00500	0.000770	mg/L	8260B
Bromomethane	0.0100	0.00215	mg/L	8260B
Carbon disulfide	0.00500	0.00170	mg/L	8260B
Carbon tetrachloride	0.00500	0.000920	mg/L	8260B
Chlorobenzene	0.00500	0.000820	mg/L	8260B
Chlorobromomethane	0.00500	0.000810	mg/L	8260B
Chloroethane	0.0100	0.00173	mg/L	8260B
Chloroform	0.00500	0.000820	mg/L	8260B
Chloromethane	0.0100	0.000850	mg/L	8260B
cis-1,2-Dichloroethene	0.00500	0.000560	mg/L	8260B
cis-1,3-Dichloropropene	0.00500	0.000970	mg/L	8260B
Dibromochloromethane	0.00500	0.000920	mg/L	8260B
Ethylbenzene	0.00500	0.00129	mg/L	8260B
Methyl tert-butyl ether	0.00500	0.000440	mg/L	8260B
Methylene Chloride	0.0100	0.00143	mg/L	8260B
m-Xylene & p-Xylene	0.0100	0.00126	mg/L	8260B
o-Xylene	0.00500	0.000930	mg/L	8260B
Styrene	0.00500	0.000560	mg/L	8260B
Tetrachloroethene	0.00500	0.00124	mg/L	8260B
Toluene	0.00500	0.000550	mg/L	8260B
trans-1,2-Dichloroethene	0.00500	0.000880	mg/L	8260B
trans-1,3-Dichloropropene	0.00500	0.000590	mg/L	8260B
Trichloroethene	0.00500	0.00158	mg/L	8260B
Vinyl acetate	0.0100	0.000600	mg/L	8260B
Vinyl chloride	0.00500	0.000850	mg/L	8260B
Xylenes, Total	0.00500	0.00198	mg/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.120	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.170	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.170	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.130	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.250	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.180	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.150	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.310	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
2,4-Dinitrophenol	5.00	0.390	ug/L	8270C LL
2,4-Dinitrotoluene	1.50	0.130	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.0800	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.0800	ug/L	8270C LL
2-Chlorophenol	2.00	0.130	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.0700	ug/L	8270C LL
2-Methylphenol	1.50	0.120	ug/L	8270C LL
2-Nitroaniline	2.50	0.190	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.200	ug/L	8270C LL
3,3'-Dichlorobenzidine	10.0	0.180	ug/L	8270C LL
3-Nitroaniline	2.50	0.160	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.50	0.830	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.170	ug/L	8270C LL
4-Chloroaniline	1.00	0.210	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Nitroaniline	2.50	0.250	ug/L	8270C LL
4-Nitrophenol	2.50	0.560	ug/L	8270C LL
Acenaphthene	1.00	0.0800	ug/L	8270C LL
Acenaphthylene	1.00	0.0600	ug/L	8270C LL
Anthracene	1.00	0.0500	ug/L	8270C LL
Benzidine	10.0	0.610	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.0800	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.0800	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.0700	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.0800	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.0900	ug/L	8270C LL
Benzyl alcohol	5.50	0.170	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.50	0.400	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.130	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.150	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.370	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.120	ug/L	8270C LL
Carbazole	6.25	0.170	ug/L	8270C LL
Chrysene	1.50	0.0800	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.0800	ug/L	8270C LL
Dibenzofuran	1.50	0.0800	ug/L	8270C LL
Diethyl phthalate	2.50	1.50	ug/L	8270C LL
Dimethyl phthalate	2.50	0.0700	ug/L	8270C LL
Di-n-butyl phthalate	2.50	0.110	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.0700	ug/L	8270C LL
Fluorene	1.50	0.0700	ug/L	8270C LL
Hexachlorobenzene	1.50	0.110	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.180	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.130	ug/L	8270C LL
Hexachloroethane	2.00	0.100	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.0700	ug/L	8270C LL
Isophorone	1.50	0.110	ug/L	8270C LL
Naphthalene	5.00	0.0800	ug/L	8270C LL
Nitrobenzene	1.50	0.110	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
N-Nitrosodimethylamine	2.00	0.260	ug/L	8270C LL
N-Nitrosodi-n-propylamine	2.50	0.100	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.100	ug/L	8270C LL
Pentachlorophenol	2.50	0.610	ug/L	8270C LL
Phenanthrene	1.50	0.0600	ug/L	8270C LL
Phenol	1.50	0.0400	ug/L	8270C LL
Pyrene	2.00	0.110	ug/L	8270C LL

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	5.00	0.960	mg/L	TX 1005
>C28-C35	5.00	0.960	mg/L	TX 1005
C6-C12	5.00	0.830	mg/L	TX 1005
C6-C35	5.00	1.56	mg/L	TX 1005

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Ag	0.0100	0.00125	mg/L	6010B
As	0.0100	0.00328	mg/L	6010B
Ba	0.0200	0.00220	mg/L	6010B
Cd	0.00500	0.000350	mg/L	6010B
Cr	0.0100	0.00155	mg/L	6010B
Pb	0.0100	0.00290	mg/L	6010B
Se	0.0400	0.00417	mg/L	6010B

Method: 7470A - Mercury (CVAA)

Analyte	MQL	MDL	Units	Method
Mercury	0.200	0.0820	ug/L	7470A

GC/MS VOA

Analysis Batch: 102614

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	8260B	
600-70497-1 MS	VCP-MW-4	Total/NA	Water	8260B	
600-70497-1 MSD	VCP-MW-4	Total/NA	Water	8260B	
600-70497-2	Field Blank 2	Total/NA	Water	8260B	
600-70497-3	MW-19	Total/NA	Water	8260B	
600-70497-4	Trip Blank 3	Total/NA	Water	8260B	
LCS 600-102614/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-102614/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 102754

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	3510C	
600-70497-3	MW-19	Total/NA	Water	3510C	
600-70497-3 MS	MW-19	Total/NA	Water	3510C	
600-70497-3 MSD	MW-19	Total/NA	Water	3510C	
LCS 600-102754/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-102754/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 102941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	8270C LL	102754
600-70497-3	MW-19	Total/NA	Water	8270C LL	102754
600-70497-3 MS	MW-19	Total/NA	Water	8270C LL	102754
600-70497-3 MSD	MW-19	Total/NA	Water	8270C LL	102754
LCS 600-102754/2-A	Lab Control Sample	Total/NA	Water	8270C LL	102754
MB 600-102754/1-A	Method Blank	Total/NA	Water	8270C LL	102754

GC Semi VOA

Prep Batch: 102547

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	TX_1005_W_Prep	
600-70497-1 MS	VCP-MW-4	Total/NA	Water	TX_1005_W_Prep	
600-70497-1 MSD	VCP-MW-4	Total/NA	Water	TX_1005_W_Prep	
600-70497-3	MW-19	Total/NA	Water	TX_1005_W_Prep	
LCS 600-102547/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
MB 600-102547/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 102634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	TX 1005	102547
600-70497-1 MS	VCP-MW-4	Total/NA	Water	TX 1005	102547
600-70497-1 MSD	VCP-MW-4	Total/NA	Water	TX 1005	102547
600-70497-3	MW-19	Total/NA	Water	TX 1005	102547

GC Semi VOA (Continued)

Analysis Batch: 102634 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-102547/2-A	Lab Control Sample	Total/NA	Water	TX 1005	102547
MB 600-102547/1-A	Method Blank	Total/NA	Water	TX 1005	102547

Metals

Prep Batch: 102620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	7470A	
600-70497-1 DU	VCP-MW-4	Total/NA	Water	7470A	
600-70497-1 MS	VCP-MW-4	Total/NA	Water	7470A	
600-70497-3	MW-19	Total/NA	Water	7470A	
LCS 600-102620/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 600-102620/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 102653

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	7470A	102620
600-70497-1 DU	VCP-MW-4	Total/NA	Water	7470A	102620
600-70497-1 MS	VCP-MW-4	Total/NA	Water	7470A	102620
600-70497-3	MW-19	Total/NA	Water	7470A	102620
LCS 600-102620/8-A	Lab Control Sample	Total/NA	Water	7470A	102620
MB 600-102620/7-A	Method Blank	Total/NA	Water	7470A	102620

Prep Batch: 102755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	3010A	
600-70497-3	MW-19	Total/NA	Water	3010A	
LCS 600-102755/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-102755/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 102811

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70497-1	VCP-MW-4	Total/NA	Water	6010B	102755
600-70497-3	MW-19	Total/NA	Water	6010B	102755
LCS 600-102755/2-A	Lab Control Sample	Total/NA	Water	6010B	102755
MB 600-102755/1-A	Method Blank	Total/NA	Water	6010B	102755

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Client Sample ID: VCP-MW-4

Lab Sample ID: 600-70497-1

Date Collected: 03/21/13 15:15

Matrix: Water

Date Received: 03/25/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102614	03/26/13 13:47	KLV	TAL HOU
Total/NA	Prep	3510C			102754	03/28/13 11:55	LB	TAL HOU
Total/NA	Analysis	8270C LL		1	102941	03/29/13 19:02	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102547	03/26/13 10:47	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102634	03/26/13 16:08	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 09:43	MJT	TAL HOU
Total/NA	Prep	3010A			102755	03/28/13 12:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	102811	03/29/13 08:03	DCL	TAL HOU

Client Sample ID: Field Blank 2

Lab Sample ID: 600-70497-2

Date Collected: 03/21/13 17:55

Matrix: Water

Date Received: 03/25/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102614	03/26/13 13:20	KLV	TAL HOU

Client Sample ID: MW-19

Lab Sample ID: 600-70497-3

Date Collected: 03/22/13 14:20

Matrix: Water

Date Received: 03/25/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102614	03/26/13 14:15	KLV	TAL HOU
Total/NA	Prep	3510C			102754	03/28/13 11:55	LB	TAL HOU
Total/NA	Analysis	8270C LL		1	102941	03/29/13 19:29	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			102547	03/26/13 10:47	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	102634	03/26/13 14:31	RV	TAL HOU
Total/NA	Prep	7470A			102620	03/27/13 05:46	MJT	TAL HOU
Total/NA	Analysis	7470A		1	102653	03/27/13 09:52	MJT	TAL HOU
Total/NA	Prep	3010A			102755	03/28/13 12:02	NER	TAL HOU
Total/NA	Analysis	6010B		1	102811	03/29/13 08:06	DCL	TAL HOU

Client Sample ID: Trip Blank 3

Lab Sample ID: 600-70497-4

Date Collected: 03/20/13 14:00

Matrix: Water

Date Received: 03/25/13 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	102614	03/26/13 12:53	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70497-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAme

THE LEADER IN ENVIRONMEI

600-70497 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW	Tim Nickels	3/22/13	225415
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
2201 Double Creek Dr. Ste 4004	(512) 671-3434		
City Round Rock	**State** TX	**Zip Code** 78664	**Site Contact** John Brayton	**Lab Contact**
Project Name and Location (State) Exide VCP Investigation	**Carrier/Waybill Number**	
Contract/Purchase Order/Quote No. 1824		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	VOC	TPH 1005	SVOC	Total RCRA Metals	Dissolved RCRA Metals	Special Instructions/ Conditions of Receipt
VCP-MW-4	3/21/13	1515		X						6			X	X				Hold all Dissolved metals pending instructions
"	"	"		X			2								X			
"	"	"		X					2							X	X	
Field Blank 2	3/21/13	1755		X						3			X					
MW-19	3/22/13	1420		X						3			X	X				
"	"	"		X			2								X			
"	"	"		X					2							X	X	
Trip Blank 3	3/20/13	1400		X						2			X					

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other 5

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	3/22/13	1500	1. Received By	3/22/13	1500
2. Relinquished By	3/22/13	1730	2. Received By		
3. Relinquished By			3. Received By	03/22/13	0900

Comments

DISTRIBUTION: WHITE - Returned to Client with Report: CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70497-1

Login Number: 70497

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

Data Usability Summary
Exide Recycling Center
April 12, 2013 Groundwater Sampling Event
TestAmerica Laboratories DATA PACKAGE 600-71531-1

Pastor, Behling & Wheeler, LLC reviewed one data package from TestAmerica Laboratories in Houston, Texas for the analysis of the groundwater samples collected April 12, 2013 at the Exide Recycling Center facility, in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives. At the time the laboratory data were generated for the project, TestAmerica Laboratories was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes and methods of analysis requested on the chain-of-custody documentation.

Intended Use of Data: To provide current data on concentrations of COC's in groundwater.

Analyses requested included:

- Method SW8270C LL – Semivolatile Organic Compounds by GCMS - Low Levels

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data*, (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- case narratives, and
- the field notes with respect to field instrument calibrations, filtering procedures, sampling procedures preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized in the Laboratory Review Checklists (LRCs), Exception Reports, and case narrative, all of which were included in this review.

Introduction

One (1) groundwater sample was collected and analyzed for semivolatile organic compounds (SVOCs). Table 1 lists the sample identifications cross-referenced to the laboratory identifications.

NOTE: SVOC data related the sample VCP-MW-4 was not evaluated as part of report 600-70497-1 as a result of problems with the sample. This sample was collected and analyzed only for SVOCs to evaluate the presence of those analytes.

Project Objectives

Project QA/QC objectives were established as the TRRP-13 recommended control limits. For organic analytes, spike percent recoveries between 60% and 140%, relative percent differences (RPD) within 40%.

DATA REVIEW / VALIDATION RESULTS

Analytical Results

Qualified sample data are listed in Table 2. Non-detected results (ND) are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. Analytes detected between the SDL and the method quantitation limit (MQL) and were qualified with a "J-flag" to denote that the reported values were considered to be estimated.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). Samples were received in appropriate containers in good condition. Paperwork was properly completed with the exception of the omission of the sample collection time on the COC. The sample collection time noted on the sample bottle was used. Sample receipt temperatures were within the acceptance criteria of 4±2°C. Samples were preserved in the field as specified in SW-846 Table 2-40(A) and 2-40(B). Samples were prepared and analyzed within holding times as specified in SW-846 Table 2-40(A) and 2-40(B).

Calibrations

The LRC indicates the following calibration issues:

- The control criteria for Benzidine in the continuing calibration verification (CCV) were exceeded for analytical batch 104075. The SOP allows for up to four non-calibration check compounds (CCC) analytes to be outside criteria and therefore the data have been qualified and reported. The analyte was not detected in the sample.

Blanks

In the laboratory method blank Butyl benzyl phthalate was detected above the MDL but below the MQL. This analyte is a recognized laboratory contaminant. The level of detection was below the recommended reporting limit.

Surrogate Recoveries

Surrogate recoveries for SVOCs for VCP-MW-4 and VCP-MW-4MS/MSD were below project control limits. It is allowable for one acid and one base of the surrogates to be outside the acceptance criteria. No further action is required.

Laboratory Control Samples

Recoveries were above laboratory control limits for 4-chloroaniline, 3-nitroaniline, 4-nitroaniline and n-nitrosodiphenylamine however the sample did not have detections of these analytes. No further action is required.

Matrix Spike/Matrix Spike Duplicates

MS/MSDs were outside project control limits for the following SVOCs:

- The MS or MSD recoveries were below project control limits for Benzidine, Bis(2-chloroethyl)ether, 1,4-Dichlorobenzene, Hexachlorocyclopentadiene, N-Nitrosodimethylamine, 2-Methylphenol, 3&4 Methylphenol, 4-Nitrophenol, 4-Chloroaniline, 3-Nitroaniline, 4-Nitroaniline, 2,4-Dimethylphenol and Phenol. The associated sample results are non-detect and are flagged accordingly (UJL).

- The MS recoveries were above project control limits for 4-Chloroaniline, 3,3'-Dichlorobenzidine, 3-Nitroaniline and 4-Nitroanline. All sample results were non-detect in the associated sample and as a result, no further action is necessary.

Field Precision

No field duplicate samples were collected during this sampling event.

Field Procedures

Samples were collected using documented SOPs.

SUMMARY

The analytical data are usable for the purpose of determining current COC concentrations in the groundwater at the affected property.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification
VCP-MW-4	600-70497-1

Table 2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
VCP-MW-4	Benzidine	UJL	CCV outside specifications, MS recovery below 60%
VCP-MW-4	Butyl benzyl phthalate	U	Sample concentration <5x MB
VCP-MW-4	4-Nitrophenol	UJL	MS or MSD recovery below 60%
VCP-MW-4	Bis(2-chloroethyl)ether	UJL	MS or MSD recovery below 60%
VCP-MW-4	1,4-Dichlorobenzene	UJL	MS or MSD recovery below 60%
VCP-MW-4	Hexachlorocyclopentadiene	UJL	MS or MSD recovery below 60%
VCP-MW-4	N-Nitrosodimethylamine	UJL	MS or MSD recovery below 60%
VCP-MW-4	2-Methylphenol	UJL	MS or MSD recovery below 60%
VCP-MW-4	3&4 Methylphenol	UJL	MS or MSD recovery below 60%
VCP-MW-4	Phenol	UJL	MS or MSD recovery below 60%
VCP-MW-4	4-Chloroaniline,	UJL	MS or MSD recovery below 60%
VCP-MW-4	3-Nitroaniline,	UJL	MS or MSD recovery below 60%
VCP-MW-4	4-Nitroaniline	UJL	MS or MSD recovery below 60%
VCP-MW-4	2,4-Dimethylphenol	UJL	MS or MSD recovery below 60%

J – Estimated data.
U – Analyte was not detected above the sample detection limit.
L – Bias in sample result likely to be low.

Prepared by: Kate McCarthy, PG Date: May 9, 2013

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-71531-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Eric Pastor

Authorized for release by:
5/1/2013 5:45:47 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-71531

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Donnie Combs		4/30/13
Name (printed)	Signature	Date
Quality Control Assistant		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/18/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71531
Reviewer Name: JOH	Prep Batch Number(s): 600-103939 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?		X			2
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			4
		Were MS/MSD RPDs within laboratory QC limits?		X			4
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/18/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71531
Reviewer Name: JOH	Prep Batch Number(s): 600-103939 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			5
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/18/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71531
Reviewer Name: JOH	Prep Batch Number(s): 600-103939 - SV

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	Butyl benzyl phthalate was detected above the MDL, but below the MQL in the method blank. This analyte is a recognized potential laboratory contaminant. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.
3	The laboratory control sample (LCS) for batch 103939 exceeded control limits for the following analytes: 3-Nitroaniline, 4-Nitroaniline, 4-Chloroaniline, and N-Nitrosodiphenylamine. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.
4	The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batch 103939 were outside control limits. Matrix interference is suspected.
5	The continuing calibration verification (CCV) for analytical batch 104075 exceeded control criteria for Benzidine. The SOP allows for up to four non-CCC analytes to be outside criteria. The data have been qualified and reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Quality Control Report

Detection Check Standard

Matrix:	Water
Method:	8270C LL
Preparation:	3510C
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Lab Sample ID:	600-96501/6-A
Units:	ug/L

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	0.04	0.25	0.062	0.5
N-Nitrosodimethylamine	0.26	0.5	0.305	0.5
bis (2-Chloroisopropyl) ether	0.4	0.5	0.692	0.5
Aniline	0.08	0.25	0.143	0.5
Phenol	0.04	0.25	0.087	0.5
bis(2-Chloroethyl)ether	0.15	0.5	0.371	0.5
2-Chlorophenol	0.13	0.5	0.368	0.5
1,3-Dichlorobenzene	0.17	0.5	0.433	0.5
1,4-Dichlorobenzene	0.13	0.5	0.533	0.5
1,2-Dichlorobenzene	0.17	0.5	0.469	0.5
Benzyl alcohol	0.17	0.5	0.211	0.5
2-Methylphenol (o-cresol)	0.12	0.5	0.353	0.5
3&4-Methylphenol (m&p-Cresols)	0.2	0.5	0.287	1
N-Nitroso-di-n-propylamine	0.1	0.5	0.455	0.5
Hexachloroethane	0.1	0.5	0.490	0.5
Dibenzo(a,h)anthracene	0.08	0.25	0.889	0.5
Indeno(1,2,3-cd)pyrene	0.07	0.25	0.972	0.5
Nitrobenzene	0.11	0.25	0.298	0.5
Isophorone	0.11	0.25	0.207	0.5
2-Nitrophenol	0.22	0.5	0.608	0.5
Benzoic acid	2.51	5	7.32	2.5
2,4-Dimethylphenol	0.15	0.5	0.513	0.5
bis(2-Chloroethoxy)methane	0.13	0.5	0.455	0.5
2,4-Dichlorophenol	0.15	0.5	0.457	0.5
1,2,4-Trichlorobenzene	0.12	0.5	0.340	0.5
Naphthalene	0.08	0.25	0.242	0.5
Benzo(a)pyrene	0.08	0.25	0.530	0.5
Hexachlorobutadiene	0.18	0.5	0.611	0.5
4-Chloro-3-methylphenol	0.17	0.5	0.419	0.5
2-Methylnaphthalene	0.07	0.25	0.229	0.5
1-Methylnaphthalene	0.09	0.25	0.215	0.5
Benzo(k)fluoranthene	0.09	0.25	0.196	0.5
Hexachlorocyclopentadiene	0.13	0.5	0.560	0.5
2,4,6-Trichlorophenol	0.18	0.5	0.638	0.5
2,4,5-Trichlorophenol	0.25	0.5	0.656	0.5
2-Chloronaphthalene	0.08	0.25	0.231	0.5
2-Nitroaniline	0.19	0.5	0.787	0.5
1,4-Dinitrobenzene	0.5	0.5	0.747	0.5
1,3-Dinitrobenzene	0.08	0.25	0.637	0.5
1,2-Dinitrobenzene	0.5	0.5	0.832	0.5

Dimethylphthalate	0.07	0.25	0.220	0.5
Acenaphthylene	0.06	0.25	0.191	0.5
2,6-Dinitrotoluene	0.08	0.5	0.618	0.5
Benzo(b)fluoranthene	0.07	0.5	0.701	0.5
Acenaphthene	0.08	0.5	0.382	0.5
Di-n-octylphthalate	0.16	0.5	1.910	0.5
4-Nitrophenol	0.56	2.5	1.34	1
Dibenzofuran	0.08	0.25	0.181	0.5
2,4-Dinitrotoluene	0.13	0.5	0.538	0.5
2,3,4,6-Tetrachlorophenol	0.5	0.5	0.501	0.5
2,3,5,6-Tetrachlorophenol	0.5	0.5	0.201	0.5
Diethylphthalate	1.5	0.5	0.584	0.5
4-Chlorophenyl-phenylether	0.1	0.5	0.544	0.5
Fluorene	0.07	0.25	0.245	0.5
4-Nitroaniline	0.25	0.5	1.070	0.5
Chrysene	0.08	0.25	0.180	0.5
4,6-Dinitro-2-methylphenol	0.83	2.5	1.27	0.5
N-Nitrosodiphenylamine	0.1	0.5	0.366	0.5
Diphenylamine	0.1	0.5	0.344	0.5
1,2-Diphenylhydrazine	0.11	0.25	0.136	0.5
Azobenzene	0.07	0.25	0.156	0.5
4-Bromophenyl-phenylether	0.1	0.5	0.432	0.5
Hexachlorobenzene	0.11	0.25	0.218	0.5
Pentachlorophenol	0.61	0.5	1.460	0.5
Phenanthrene	0.06	0.25	0.222	0.5
Anthracene	0.05	0.25	0.234	0.5
Carbazole	0.17	0.5	0.418	0.5
Di-n-butylphthalate	0.11	0.25	0.503	0.5
Fluoranthene	0.07	0.25	0.198	0.5
Benzidine	0.61	1	0.434	0.5
Pyrene	0.11	0.25	0.205	0.5
Butylbenzylphthalate	0.12	0.5	0.857	0.5
3,3'-Dichlorobenzidine	0.18	0.5	0.463	0.5
Benzo(a)anthracene	0.08	0.25	0.184	0.5
bis(2-Ethylhexyl)phthalate	0.37	0.5	1.010	0.5
Benzo(g,h,i)perylene	0.08	0.25	0.554	0.5
4-Chloroaniline	0.21	0.5	0.380	0.5
3-Nitroaniline	0.16	0.5	0.691	0.5

Job ID: 600-71531-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-71531-1

Comments
No additional comments.

Receipt
The sample was received on 4/13/2013 10:25 AM; the sample arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 4.0º C.

Except:

The following sample(s) was received at the laboratory without a sample collection time documented on the chain-of-custody: VCP-MW-4.
As a result, a sample collection time consistent with the time written on the sample bottle was used.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Method	Method Description	Protocol	Laboratory
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-71531-1	VCP-MW-4	Water	04/12/13 10:25	04/13/13 10:25

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Client Sample ID: VCP-MW-4
Date Collected: 04/12/13 10:25
Date Received: 04/13/13 10:25

Lab Sample ID: 600-71531-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0769	U	0.962	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Acenaphthylene	0.0577	U	0.962	0.0577	ug/L		04/15/13 10:14	04/16/13 10:28	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzidine	0.587	U	9.62	0.587	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzo[a]anthracene	0.0769	U	1.92	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Bis(2-chloroethoxy)methane	0.125	U	1.44	0.125	ug/L		04/15/13 10:14	04/16/13 10:28	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		04/15/13 10:14	04/16/13 10:28	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Bromophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/15/13 10:14	04/16/13 10:28	1
Butyl benzyl phthalate	**0.358**	**J b**	2.40	0.115	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Chloroaniline	0.202	U *	0.962	0.202	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/15/13 10:14	04/16/13 10:28	1
Carbazole	0.163	U	6.01	0.163	ug/L		04/15/13 10:14	04/16/13 10:28	1
Chrysene	0.0769	U	1.44	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Di-n-butyl phthalate	0.106	U	2.40	0.106	ug/L		04/15/13 10:14	04/16/13 10:28	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
Dibenzofuran	0.0769	U	1.44	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		04/15/13 10:14	04/16/13 10:28	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		04/15/13 10:14	04/16/13 10:28	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		04/15/13 10:14	04/16/13 10:28	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		04/15/13 10:14	04/16/13 10:28	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		04/15/13 10:14	04/16/13 10:28	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		04/15/13 10:14	04/16/13 10:28	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		04/15/13 10:14	04/16/13 10:28	1
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
Fluorene	0.0673	U	1.44	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		04/15/13 10:14	04/16/13 10:28	1
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		04/15/13 10:14	04/16/13 10:28	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		04/15/13 10:14	04/16/13 10:28	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		04/15/13 10:14	04/16/13 10:28	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
Isophorone	0.106	U	1.44	0.106	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Methylnaphthalene	0.0673	U	1.44	0.0673	ug/L		04/15/13 10:14	04/16/13 10:28	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		04/15/13 10:14	04/16/13 10:28	1
3-Nitroaniline	0.154	U *	2.40	0.154	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Nitroaniline	0.240	U *	2.40	0.240	ug/L		04/15/13 10:14	04/16/13 10:28	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		04/15/13 10:14	04/16/13 10:28	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		04/15/13 10:14	04/16/13 10:28	1
N-Nitrosodiphenylamine	0.0962	U *	1.44	0.0962	ug/L		04/15/13 10:14	04/16/13 10:28	1
N-Nitrosodi-n-propylamine	0.0962	U	2.40	0.0962	ug/L		04/15/13 10:14	04/16/13 10:28	1
Phenanthrene	0.0577	U	1.44	0.0577	ug/L		04/15/13 10:14	04/16/13 10:28	1
Pyrene	0.106	U	1.92	0.106	ug/L		04/15/13 10:14	04/16/13 10:28	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Client Sample ID: VCP-MW-4
Date Collected: 04/12/13 10:25
Date Received: 04/13/13 10:25

Lab Sample ID: 600-71531-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		04/15/13 10:14	04/16/13 10:28	1
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		04/15/13 10:14	04/16/13 10:28	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		04/15/13 10:14	04/16/13 10:28	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		04/15/13 10:14	04/16/13 10:28	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		04/15/13 10:14	04/16/13 10:28	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		04/15/13 10:14	04/16/13 10:28	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		04/15/13 10:14	04/16/13 10:28	1
Phenol	0.0385	U	1.44	0.0385	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		04/15/13 10:14	04/16/13 10:28	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		04/15/13 10:14	04/16/13 10:28	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		04/15/13 10:14	04/16/13 10:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*16*		*12 - 128*	*04/15/13 10:14*	*04/16/13 10:28*	*1*
Terphenyl-d14	*81*		*33 - 141*	*04/15/13 10:14*	*04/16/13 10:28*	*1*
Nitrobenzene-d5	*64*		*47 - 120*	*04/15/13 10:14*	*04/16/13 10:28*	*1*
2-Fluorophenol	*26*		*18 - 120*	*04/15/13 10:14*	*04/16/13 10:28*	*1*
2-Fluorobiphenyl	*67*		*43 - 120*	*04/15/13 10:14*	*04/16/13 10:28*	*1*
2,4,6-Tribromophenol	*61*		*44 - 123*	*04/15/13 10:14*	*04/16/13 10:28*	*1*

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
*	LCS or LCSD exceeds the control limits
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
E	Result is greater then the UQL and the concentration is an estimated value.
N	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)							
		PHL	TPH	NBZ	2FP	FBP	TBP		
Lab Sample ID	Client Sample ID	(12-128)	(33-141)	(47-120)	(18-120)	(43-120)	(44-123)		
600-71531-1	VCP-MW-4	16	81	64	26	67	61		
600-71531-1 MS	VCP-MW-4	34	89	73	53	78	94		
600-71531-1 MSD	VCP-MW-4	34	80	71	53	75	80		
LCS 600-103939/2-A	Lab Control Sample	42	98	91	64	98	93		
MB 600-103939/1-A	Method Blank	39	93	91	61	101	72		

Surrogate Legend

PHL = Phenol-d6
TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-103939/1-A
Matrix: Water
Analysis Batch: 104075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103939

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0800	U	1.00	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Acenaphthylene	0.0600	U	1.00	0.0600	ug/L		04/15/13 10:14	04/16/13 09:35	1
Anthracene	0.0500	U	1.00	0.0500	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzidine	0.610	U	10.0	0.610	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzo[a]anthracene	0.0800	U	2.00	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzo[b]fluoranthene	0.0700	U	2.00	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzo[k]fluoranthene	0.0900	U	2.00	0.0900	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzo[g,h,i]perylene	0.0800	U	2.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzo[a]pyrene	0.0800	U	1.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Bis(2-chloroethoxy)methane	0.130	U	1.50	0.130	ug/L		04/15/13 10:14	04/16/13 09:35	1
Bis(2-chloroethyl)ether	0.150	U	1.50	0.150	ug/L		04/15/13 10:14	04/16/13 09:35	1
Bis(2-ethylhexyl) phthalate	0.370	U	2.50	0.370	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Bromophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		04/15/13 10:14	04/16/13 09:35	1
Butyl benzyl phthalate	0.3611	J	2.50	0.120	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Chloroaniline	0.210	U	1.00	0.210	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Chloronaphthalene	0.0800	U	1.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Chlorophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		04/15/13 10:14	04/16/13 09:35	1
Carbazole	0.170	U	6.25	0.170	ug/L		04/15/13 10:14	04/16/13 09:35	1
Chrysene	0.0800	U	1.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Di-n-butyl phthalate	0.110	U	2.50	0.110	ug/L		04/15/13 10:14	04/16/13 09:35	1
Dibenz(a,h)anthracene	0.0800	U	2.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
Dibenzofuran	0.0800	U	1.50	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
1,2-Dichlorobenzene	0.170	U	1.75	0.170	ug/L		04/15/13 10:14	04/16/13 09:35	1
1,3-Dichlorobenzene	0.170	U	1.50	0.170	ug/L		04/15/13 10:14	04/16/13 09:35	1
1,4-Dichlorobenzene	0.130	U	2.00	0.130	ug/L		04/15/13 10:14	04/16/13 09:35	1
3,3'-Dichlorobenzidine	0.180	U	10.0	0.180	ug/L		04/15/13 10:14	04/16/13 09:35	1
Diethyl phthalate	1.50	U	2.50	1.50	ug/L		04/15/13 10:14	04/16/13 09:35	1
Dimethyl phthalate	0.0700	U	2.50	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4-Dinitrotoluene	0.130	U	1.50	0.130	ug/L		04/15/13 10:14	04/16/13 09:35	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		04/15/13 10:14	04/16/13 09:35	1
Fluoranthene	0.0700	U	2.50	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
Fluorene	0.0700	U	1.50	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
Hexachlorobenzene	0.110	U	1.50	0.110	ug/L		04/15/13 10:14	04/16/13 09:35	1
Hexachlorocyclopentadiene	0.130	U	1.50	0.130	ug/L		04/15/13 10:14	04/16/13 09:35	1
Hexachloroethane	0.100	U	2.00	0.100	ug/L		04/15/13 10:14	04/16/13 09:35	1
Hexachlorobutadiene	0.180	U	2.00	0.180	ug/L		04/15/13 10:14	04/16/13 09:35	1
Indeno[1,2,3-cd]pyrene	0.0700	U	2.00	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
Isophorone	0.110	U	1.50	0.110	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Methylnaphthalene	0.0700	U	1.50	0.0700	ug/L		04/15/13 10:14	04/16/13 09:35	1
Naphthalene	0.0800	U	5.00	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Nitroaniline	0.190	U	2.50	0.190	ug/L		04/15/13 10:14	04/16/13 09:35	1
3-Nitroaniline	0.160	U	2.50	0.160	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Nitroaniline	0.250	U	2.50	0.250	ug/L		04/15/13 10:14	04/16/13 09:35	1
Nitrobenzene	0.110	U	1.50	0.110	ug/L		04/15/13 10:14	04/16/13 09:35	1
N-Nitrosodimethylamine	0.260	U	2.00	0.260	ug/L		04/15/13 10:14	04/16/13 09:35	1
N-Nitrosodiphenylamine	0.100	U	1.50	0.100	ug/L		04/15/13 10:14	04/16/13 09:35	1
N-Nitrosodi-n-propylamine	0.100	U	2.50	0.100	ug/L		04/15/13 10:14	04/16/13 09:35	1
Phenanthrene	0.0600	U	1.50	0.0600	ug/L		04/15/13 10:14	04/16/13 09:35	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-103939/1-A
Matrix: Water
Analysis Batch: 104075

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 103939

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.110	U	2.00	0.110	ug/L		04/15/13 10:14	04/16/13 09:35	1
1,2,4-Trichlorobenzene	0.120	U	2.00	0.120	ug/L		04/15/13 10:14	04/16/13 09:35	1
Benzyl alcohol	0.170	U	5.50	0.170	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Chloro-3-methylphenol	0.170	U	1.00	0.170	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Chlorophenol	0.130	U	2.00	0.130	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Methylphenol	0.120	U	1.50	0.120	ug/L		04/15/13 10:14	04/16/13 09:35	1
3 & 4 Methylphenol	0.200	U	1.00	0.200	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4-Dichlorophenol	0.150	U	2.50	0.150	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4-Dimethylphenol	0.310	U	2.50	0.310	ug/L		04/15/13 10:14	04/16/13 09:35	1
4,6-Dinitro-2-methylphenol	0.830	U	2.50	0.830	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4-Dinitrophenol	0.390	U	5.00	0.390	ug/L		04/15/13 10:14	04/16/13 09:35	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		04/15/13 10:14	04/16/13 09:35	1
4-Nitrophenol	0.560	U	2.50	0.560	ug/L		04/15/13 10:14	04/16/13 09:35	1
Pentachlorophenol	0.610	U	2.50	0.610	ug/L		04/15/13 10:14	04/16/13 09:35	1
Phenol	0.0400	U	1.50	0.0400	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4,5-Trichlorophenol	0.250	U	2.00	0.250	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,4,6-Trichlorophenol	0.180	U	2.00	0.180	ug/L		04/15/13 10:14	04/16/13 09:35	1
2,6-Dinitrotoluene	0.0800	U	1.00	0.0800	ug/L		04/15/13 10:14	04/16/13 09:35	1
bis (2-Chloroisopropyl) ether	0.400	U	1.50	0.400	ug/L		04/15/13 10:14	04/16/13 09:35	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*39*		*12 - 128*	*04/15/13 10:14*	*04/16/13 09:35*	*1*
Terphenyl-d14	*93*		*33 - 141*	*04/15/13 10:14*	*04/16/13 09:35*	*1*
Nitrobenzene-d5	*91*		*47 - 120*	*04/15/13 10:14*	*04/16/13 09:35*	*1*
2-Fluorophenol	*61*		*18 - 120*	*04/15/13 10:14*	*04/16/13 09:35*	*1*
2-Fluorobiphenyl	*101*		*43 - 120*	*04/15/13 10:14*	*04/16/13 09:35*	*1*
2,4,6-Tribromophenol	*72*		*44 - 123*	*04/15/13 10:14*	*04/16/13 09:35*	*1*

Lab Sample ID: LCS 600-103939/2-A
Matrix: Water
Analysis Batch: 104075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	9.083		ug/L		91	47 - 145
Acenaphthylene	10.0	8.214		ug/L		82	35 - 135
Anthracene	10.0	9.537		ug/L		95	53 - 124
Benzidine	200	105.4		ug/L		53	10 - 120
Benzo[a]anthracene	10.0	8.611		ug/L		86	53 - 122
Benzo[b]fluoranthene	10.0	8.306		ug/L		83	53 - 131
Benzo[k]fluoranthene	10.0	9.246		ug/L		92	46 - 130
Benzo[g,h,i]perylene	10.0	9.022		ug/L		90	46 - 133
Benzo[a]pyrene	10.0	8.678		ug/L		87	50 - 124
Bis(2-chloroethoxy)methane	10.0	8.282		ug/L		83	42 - 119
Bis(2-chloroethyl)ether	10.0	7.326		ug/L		73	40 - 112
Bis(2-ethylhexyl) phthalate	10.0	9.018		ug/L		90	47 - 132
4-Bromophenyl phenyl ether	10.0	8.551		ug/L		86	46 - 129
Butyl benzyl phthalate	10.0	9.123		ug/L		91	50 - 126
4-Chloroaniline	10.0	91.59	*	ug/L		916	19 - 129

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-103939/2-A
Matrix: Water
Analysis Batch: 104075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	10.0	8.921		ug/L		89	43 - 120
4-Chlorophenyl phenyl ether	10.0	8.865		ug/L		89	48 - 125
Carbazole	10.0	16.34		ug/L		163	42 - 169
Chrysene	10.0	9.694		ug/L		97	49 - 124
Di-n-butyl phthalate	10.0	9.000		ug/L		90	54 - 138
Dibenz(a,h)anthracene	10.0	9.311		ug/L		93	42 - 134
Dibenzofuran	10.0	9.282		ug/L		93	46 - 123
1,2-Dichlorobenzene	10.0	8.208		ug/L		82	40 - 121
1,3-Dichlorobenzene	10.0	8.061		ug/L		81	39 - 122
1,4-Dichlorobenzene	10.0	7.854		ug/L		79	45 - 124
3,3'-Dichlorobenzidine	10.0	10.69		ug/L		107	38 - 168
Diethyl phthalate	10.0	9.299		ug/L		93	51 - 123
Dimethyl phthalate	10.0	8.243		ug/L		82	49 - 121
2,4-Dinitrotoluene	10.0	8.973		ug/L		90	43 - 128
Di-n-octyl phthalate	10.0	9.865		ug/L		99	27 - 157
Fluoranthene	10.0	9.770		ug/L		98	53 - 127
Fluorene	10.0	9.193		ug/L		92	48 - 127
Hexachlorobenzene	10.0	8.403		ug/L		84	46 - 129
Hexachlorocyclopentadiene	10.0	6.582		ug/L		66	21 - 126
Hexachloroethane	10.0	8.237		ug/L		82	43 - 118
Hexachlorobutadiene	10.0	8.189		ug/L		82	32 - 143
Indeno[1,2,3-cd]pyrene	10.0	9.074		ug/L		91	45 - 124
Isophorone	10.0	8.084		ug/L		81	42 - 116
2-Methylnaphthalene	10.0	8.469		ug/L		85	40 - 121
Naphthalene	10.0	9.268		ug/L		93	39 - 120
2-Nitroaniline	10.0	10.10		ug/L		101	42 - 130
3-Nitroaniline	10.0	18.30	*	ug/L		183	47 - 138
4-Nitroaniline	10.0	18.37	*	ug/L		184	32 - 139
Nitrobenzene	10.0	7.927		ug/L		79	42 - 119
N-Nitrosodimethylamine	10.0	6.188		ug/L		62	26 - 104
N-Nitrosodiphenylamine	10.0	13.58	*	ug/L		136	43 - 107
N-Nitrosodi-n-propylamine	10.0	8.249		ug/L		82	39 - 124
Phenanthrene	10.0	9.584		ug/L		96	52 - 121
Pyrene	10.0	8.513		ug/L		85	49 - 121
1,2,4-Trichlorobenzene	10.0	8.169		ug/L		82	38 - 118
Benzyl alcohol	10.0	7.497		ug/L		75	39 - 115
4-Chloro-3-methylphenol	10.0	8.142		ug/L		81	44 - 131
2-Chlorophenol	10.0	7.670		ug/L		77	23 - 134
2-Methylphenol	10.0	6.840		ug/L		68	34 - 109
3 & 4 Methylphenol	10.0	6.657		ug/L		67	27 - 113
2,4-Dichlorophenol	10.0	7.951		ug/L		80	39 - 118
2,4-Dimethylphenol	10.0	7.633		ug/L		76	36 - 109
4,6-Dinitro-2-methylphenol	10.0	9.313		ug/L		93	24 - 122
2,4-Dinitrophenol	10.0	9.983		ug/L		100	23 - 130
2-Nitrophenol	10.0	8.476		ug/L		85	40 - 121
4-Nitrophenol	10.0	3.454		ug/L		35	14 - 132
Pentachlorophenol	10.0	7.882		ug/L		79	9 - 147
Phenol	10.0	4.427		ug/L		44	11 - 112

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-103939/2-A
Matrix: Water
Analysis Batch: 104075

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	10.0	9.058		ug/L		91	38 - 145
2,4,6-Trichlorophenol	10.0	7.764		ug/L		78	39 - 123
2,6-Dinitrotoluene	10.0	8.638		ug/L		86	45 - 122
bis (2-Chloroisopropyl) ether	10.0	8.234		ug/L		82	41 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*42*		*12 - 128*
Terphenyl-d14	*98*		*33 - 141*
Nitrobenzene-d5	*91*		*47 - 120*
2-Fluorophenol	*64*		*18 - 120*
2-Fluorobiphenyl	*98*		*43 - 120*
2,4,6-Tribromophenol	*93*		*44 - 123*

Lab Sample ID: 600-71531-1 MS
Matrix: Water
Analysis Batch: 104075

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0769	U	20.0	14.86		ug/L		74	46 - 118
Acenaphthylene	0.0577	U	20.0	14.06		ug/L		70	38 - 115
Anthracene	0.0481	U	20.0	16.75		ug/L		84	35 - 116
Benzidine	0.587	U	400	218.5		ug/L		55	0 - 150
Benzo[a]anthracene	0.0769	U	20.0	15.48		ug/L		77	24 - 126
Benzo[b]fluoranthene	0.0673	U	20.0	16.51		ug/L		83	31 - 119
Benzo[k]fluoranthene	0.0865	U	20.0	14.60		ug/L		73	29 - 117
Benzo[g,h,i]perylene	0.0769	U	20.0	16.37		ug/L		82	10 - 123
Benzo[a]pyrene	0.0769	U	20.0	15.86		ug/L		79	60 - 140
Bis(2-chloroethoxy)methane	0.125	U	20.0	12.80		ug/L		64	42 - 101
Bis(2-chloroethyl)ether	0.144	U	20.0	11.04		ug/L		55	20 - 107
Bis(2-ethylhexyl) phthalate	0.356	U	20.0	15.20		ug/L		76	14 - 123
4-Bromophenyl phenyl ether	0.0962	U	20.0	15.15		ug/L		76	50 - 113
Butyl benzyl phthalate	0.358	J b	20.0	17.20		ug/L		84	36 - 144
4-Chloroaniline	0.202	U *	20.0	218.6	E N	ug/L		1093	49 - 151
2-Chloronaphthalene	0.0769	U	20.0	14.24		ug/L		71	42 - 100
4-Chlorophenyl phenyl ether	0.0962	U	20.0	15.58		ug/L		78	41 - 116
Carbazole	0.163	U	20.0	25.28		ug/L		126	30 - 130
Chrysene	0.0769	U	20.0	17.04		ug/L		85	23 - 128
Di-n-butyl phthalate	0.106	U	20.0	15.14		ug/L		76	31 - 137
Dibenz(a,h)anthracene	0.0769	U	20.0	16.58		ug/L		83	62 - 138
Dibenzofuran	0.0769	U	20.0	15.35		ug/L		77	46 - 110
1,2-Dichlorobenzene	0.163	U	20.0	12.17		ug/L		61	42 - 96
1,3-Dichlorobenzene	0.163	U	20.0	12.26		ug/L		61	40 - 95
1,4-Dichlorobenzene	0.125	U	20.0	11.84		ug/L		59	36 - 99
3,3'-Dichlorobenzidine	0.173	U	20.0	31.03		ug/L		155	33 - 167
Diethyl phthalate	1.44	U	20.0	16.82		ug/L		84	60 - 140
Dimethyl phthalate	0.0673	U	20.0	15.25		ug/L		76	51 - 120
2,4-Dinitrotoluene	0.125	U	20.0	16.00		ug/L		80	41 - 125
Di-n-octyl phthalate	0.154	U	20.0	17.83		ug/L		89	30 - 170

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71531-1 MS
Matrix: Water
Analysis Batch: 104075

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0673	U	20.0	17.19		ug/L		86	14 - 145
Fluorene	0.0673	U	20.0	15.34		ug/L		77	44 - 112
Hexachlorobenzene	0.106	U	20.0	14.70		ug/L		73	29 - 126
Hexachlorocyclopentadiene	0.125	U	20.0	10.25		ug/L		51	10 - 109
Hexachloroethane	0.0962	U	20.0	12.01		ug/L		60	35 - 101
Hexachlorobutadiene	0.173	U	20.0	12.35		ug/L		62	36 - 101
Indeno[1,2,3-cd]pyrene	0.0673	U	20.0	16.64		ug/L		83	60 - 140
Isophorone	0.106	U	20.0	12.67		ug/L		63	45 - 109
2-Methylnaphthalene	0.0673	U	20.0	13.18		ug/L		66	36 - 111
Naphthalene	0.0769	U	20.0	13.88		ug/L		69	34 - 99
2-Nitroaniline	0.183	U	20.0	18.86		ug/L		94	30 - 130
3-Nitroaniline	0.154	U *	20.0	42.06	N	ug/L		210	30 - 130
4-Nitroaniline	0.240	U *	20.0	30.11		ug/L		151	46 - 154
Nitrobenzene	0.106	U	20.0	12.82		ug/L		64	37 - 104
N-Nitrosodimethylamine	0.250	U	20.0	11.14		ug/L		56	30 - 130
N-Nitrosodiphenylamine	0.0962	U *	20.0	25.64		ug/L		128	58 - 142
N-Nitrosodi-n-propylamine	0.0962	U	20.0	12.36		ug/L		62	44 - 110
Phenanthrene	0.0577	U	20.0	16.70		ug/L		84	41 - 117
Pyrene	0.106	U	20.0	14.90		ug/L		75	28 - 133
1,2,4-Trichlorobenzene	0.115	U	20.0	12.63		ug/L		63	39 - 98
Benzyl alcohol	0.163	U	20.0	12.44		ug/L		62	17 - 111
4-Chloro-3-methylphenol	0.163	U	20.0	14.26		ug/L		71	67 - 133
2-Chlorophenol	0.125	U	20.0	11.99		ug/L		60	36 - 96
2-Methylphenol	0.115	U	20.0	11.09		ug/L		55	22 - 94
3 & 4 Methylphenol	0.192	U	20.0	11.12		ug/L		56	12 - 111
2,4-Dichlorophenol	0.144	U	20.0	13.12		ug/L		66	40 - 106
2,4-Dimethylphenol	0.298	U	20.0	12.08		ug/L		60	25 - 85
4,6-Dinitro-2-methylphenol	0.798	U	20.0	16.74		ug/L		84	28 - 128
2,4-Dinitrophenol	0.375	U	20.0	18.50		ug/L		93	40 - 140
2-Nitrophenol	0.212	U	20.0	13.81		ug/L		69	48 - 100
4-Nitrophenol	0.538	U	20.0	9.165		ug/L		46	10 - 100
Pentachlorophenol	0.587	U	20.0	17.05		ug/L		85	45 - 155
Phenol	0.0385	U	20.0	7.936		ug/L		40	10 - 62
2,4,5-Trichlorophenol	0.240	U	20.0	15.66		ug/L		78	45 - 116
2,4,6-Trichlorophenol	0.173	U	20.0	13.57		ug/L		68	62 - 107
2,6-Dinitrotoluene	0.0769	U	20.0	15.97		ug/L		80	47 - 118
bis (2-Chloroisopropyl) ether	0.385	U	20.0	12.16		ug/L		61	41 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*34*		*12 - 128*
Terphenyl-d14	*89*		*33 - 141*
Nitrobenzene-d5	*73*		*47 - 120*
2-Fluorophenol	*53*		*18 - 120*
2-Fluorobiphenyl	*78*		*43 - 120*
2,4,6-Tribromophenol	*94*		*44 - 123*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71531-1 MSD
Matrix: Water
Analysis Batch: 104075

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0769	U	20.0	13.72		ug/L		69	46 - 118	8	20
Acenaphthylene	0.0577	U	20.0	13.01		ug/L		65	38 - 115	8	20
Anthracene	0.0481	U	20.0	15.18		ug/L		76	35 - 116	10	20
Benzidine	0.587	U	400	174.8		ug/L		44	0 - 150	22	40
Benzo[a]anthracene	0.0769	U	20.0	14.34		ug/L		72	24 - 126	8	20
Benzo[b]fluoranthene	0.0673	U	20.0	15.06		ug/L		75	31 - 119	9	20
Benzo[k]fluoranthene	0.0865	U	20.0	13.51		ug/L		68	29 - 117	8	20
Benzo[g,h,i]perylene	0.0769	U	20.0	15.04		ug/L		75	10 - 123	8	20
Benzo[a]pyrene	0.0769	U	20.0	14.43		ug/L		72	60 - 140	9	20
Bis(2-chloroethoxy)methane	0.125	U	20.0	12.49		ug/L		62	42 - 101	2	20
Bis(2-chloroethyl)ether	0.144	U	20.0	10.84		ug/L		54	20 - 107	2	20
Bis(2-ethylhexyl) phthalate	0.356	U	20.0	13.96		ug/L		70	14 - 123	9	20
4-Bromophenyl phenyl ether	0.0962	U	20.0	13.13		ug/L		66	50 - 113	14	20
Butyl benzyl phthalate	0.358	J b	20.0	15.50		ug/L		76	36 - 144	10	20
4-Chloroaniline	0.202	U *	20.0	175.6	E N	ug/L		878	49 - 151	22	20
2-Chloronaphthalene	0.0769	U	20.0	13.66		ug/L		68	42 - 100	4	20
4-Chlorophenyl phenyl ether	0.0962	U	20.0	14.31		ug/L		72	41 - 116	9	20
Carbazole	0.163	U	20.0	23.77		ug/L		119	30 - 130	6	20
Chrysene	0.0769	U	20.0	15.71		ug/L		79	23 - 128	8	20
Di-n-butyl phthalate	0.106	U	20.0	13.93		ug/L		70	31 - 137	8	20
Dibenz(a,h)anthracene	0.0769	U	20.0	15.05		ug/L		75	62 - 138	10	20
Dibenzofuran	0.0769	U	20.0	14.22		ug/L		71	46 - 110	8	20
1,2-Dichlorobenzene	0.163	U	20.0	12.17		ug/L		61	42 - 96	0	20
1,3-Dichlorobenzene	0.163	U	20.0	12.33		ug/L		62	40 - 95	1	20
1,4-Dichlorobenzene	0.125	U	20.0	12.12		ug/L		61	36 - 99	2	20
3,3'-Dichlorobenzidine	0.173	U	20.0	25.17	N	ug/L		126	33 - 167	21	20
Diethyl phthalate	1.44	U	20.0	15.53		ug/L		78	60 - 140	8	20
Dimethyl phthalate	0.0673	U	20.0	13.98		ug/L		70	51 - 120	9	20
2,4-Dinitrotoluene	0.125	U	20.0	15.18		ug/L		76	41 - 125	5	20
Di-n-octyl phthalate	0.154	U	20.0	16.21		ug/L		81	30 - 170	10	20
Fluoranthene	0.0673	U	20.0	15.65		ug/L		78	14 - 145	9	20
Fluorene	0.0673	U	20.0	13.95		ug/L		70	44 - 112	9	20
Hexachlorobenzene	0.106	U	20.0	13.14		ug/L		66	29 - 126	11	20
Hexachlorocyclopentadiene	0.125	U	20.0	10.06		ug/L		50	10 - 109	2	20
Hexachloroethane	0.0962	U	20.0	12.26		ug/L		61	35 - 101	2	20
Hexachlorobutadiene	0.173	U	20.0	12.51		ug/L		63	36 - 101	1	20
Indeno[1,2,3-cd]pyrene	0.0673	U	20.0	15.14		ug/L		76	60 - 140	9	20
Isophorone	0.106	U	20.0	12.08		ug/L		60	45 - 109	5	20
2-Methylnaphthalene	0.0673	U	20.0	12.68		ug/L		63	36 - 111	4	20
Naphthalene	0.0769	U	20.0	13.61		ug/L		68	34 - 99	2	20
2-Nitroaniline	0.183	U	20.0	16.39		ug/L		82	30 - 130	14	20
3-Nitroaniline	0.154	U *	20.0	36.69	N	ug/L		183	30 - 130	14	20
4-Nitroaniline	0.240	U *	20.0	28.97		ug/L		145	46 - 154	4	20
Nitrobenzene	0.106	U	20.0	12.92		ug/L		65	37 - 104	1	20
N-Nitrosodimethylamine	0.250	U	20.0	10.62		ug/L		53	30 - 130	5	20
N-Nitrosodiphenylamine	0.0962	U *	20.0	23.09		ug/L		115	58 - 142	10	20
N-Nitrosodi-n-propylamine	0.0962	U	20.0	12.19		ug/L		61	44 - 110	1	20
Phenanthrene	0.0577	U	20.0	15.16		ug/L		76	41 - 117	10	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71531-1 MSD
Matrix: Water
Analysis Batch: 104075

Client Sample ID: VCP-MW-4
Prep Type: Total/NA
Prep Batch: 103939

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.106	U	20.0	13.75		ug/L		69	28 - 133	8	20
1,2,4-Trichlorobenzene	0.115	U	20.0	12.73		ug/L		64	39 - 98	1	20
Benzyl alcohol	0.163	U	20.0	12.04		ug/L		60	17 - 111	3	20
4-Chloro-3-methylphenol	0.163	U	20.0	12.66	N	ug/L		63	67 - 133	12	20
2-Chlorophenol	0.125	U	20.0	12.03		ug/L		60	36 - 96	0	20
2-Methylphenol	0.115	U	20.0	10.90		ug/L		55	22 - 94	2	20
3 & 4 Methylphenol	0.192	U	20.0	10.84		ug/L		54	12 - 111	3	20
2,4-Dichlorophenol	0.144	U	20.0	12.52		ug/L		63	40 - 106	5	20
2,4-Dimethylphenol	0.298	U	20.0	11.54		ug/L		58	25 - 85	5	20
4,6-Dinitro-2-methylphenol	0.798	U	20.0	15.14		ug/L		76	28 - 128	10	20
2,4-Dinitrophenol	0.375	U	20.0	17.78		ug/L		89	40 - 140	4	20
2-Nitrophenol	0.212	U	20.0	13.30		ug/L		67	48 - 100	4	20
4-Nitrophenol	0.538	U	20.0	8.297		ug/L		41	10 - 100	10	20
Pentachlorophenol	0.587	U	20.0	15.61		ug/L		78	45 - 155	9	20
Phenol	0.0385	U	20.0	7.753		ug/L		39	10 - 62	2	20
2,4,5-Trichlorophenol	0.240	U	20.0	13.80		ug/L		69	45 - 116	13	20
2,4,6-Trichlorophenol	0.173	U	20.0	12.49		ug/L		62	62 - 107	8	20
2,6-Dinitrotoluene	0.0769	U	20.0	14.23		ug/L		71	47 - 118	12	20
bis (2-Chloroisopropyl) ether	0.385	U	20.0	12.23		ug/L		61	41 - 111	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*34*		*12 - 128*
Terphenyl-d14	*80*		*33 - 141*
Nitrobenzene-d5	*71*		*47 - 120*
2-Fluorophenol	*53*		*18 - 120*
2-Fluorobiphenyl	*75*		*43 - 120*
2,4,6-Tribromophenol	*80*		*44 - 123*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.120	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.170	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.170	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.130	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.250	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.180	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.150	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.310	ug/L	8270C LL
2,4-Dinitrophenol	5.00	0.390	ug/L	8270C LL
2,4-Dinitrotoluene	1.50	0.130	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.0800	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.0800	ug/L	8270C LL
2-Chlorophenol	2.00	0.130	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.0700	ug/L	8270C LL
2-Methylphenol	1.50	0.120	ug/L	8270C LL
2-Nitroaniline	2.50	0.190	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.200	ug/L	8270C LL
3,3'-Dichlorobenzidine	10.0	0.180	ug/L	8270C LL
3-Nitroaniline	2.50	0.160	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.50	0.830	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.170	ug/L	8270C LL
4-Chloroaniline	1.00	0.210	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Nitroaniline	2.50	0.250	ug/L	8270C LL
4-Nitrophenol	2.50	0.560	ug/L	8270C LL
Acenaphthene	1.00	0.0800	ug/L	8270C LL
Acenaphthylene	1.00	0.0600	ug/L	8270C LL
Anthracene	1.00	0.0500	ug/L	8270C LL
Benzidine	10.0	0.610	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.0800	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.0800	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.0700	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.0800	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.0900	ug/L	8270C LL
Benzyl alcohol	5.50	0.170	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.50	0.400	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.130	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.150	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.370	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.120	ug/L	8270C LL
Carbazole	6.25	0.170	ug/L	8270C LL
Chrysene	1.50	0.0800	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.0800	ug/L	8270C LL
Dibenzofuran	1.50	0.0800	ug/L	8270C LL
Diethyl phthalate	2.50	1.50	ug/L	8270C LL
Dimethyl phthalate	2.50	0.0700	ug/L	8270C LL
Di-n-butyl phthalate	2.50	0.110	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.0700	ug/L	8270C LL
Fluorene	1.50	0.0700	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
Hexachlorobenzene	1.50	0.110	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.180	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.130	ug/L	8270C LL
Hexachloroethane	2.00	0.100	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.0700	ug/L	8270C LL
Isophorone	1.50	0.110	ug/L	8270C LL
Naphthalene	5.00	0.0800	ug/L	8270C LL
Nitrobenzene	1.50	0.110	ug/L	8270C LL
N-Nitrosodimethylamine	2.00	0.260	ug/L	8270C LL
N-Nitrosodi-n-propylamine	2.50	0.100	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.100	ug/L	8270C LL
Pentachlorophenol	2.50	0.610	ug/L	8270C LL
Phenanthrene	1.50	0.0600	ug/L	8270C LL
Phenol	1.50	0.0400	ug/L	8270C LL
Pyrene	2.00	0.110	ug/L	8270C LL

GC/MS Semi VOA

Prep Batch: 103939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71531-1	VCP-MW-4	Total/NA	Water	3510C	
600-71531-1 MS	VCP-MW-4	Total/NA	Water	3510C	
600-71531-1 MSD	VCP-MW-4	Total/NA	Water	3510C	
LCS 600-103939/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-103939/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 104075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71531-1	VCP-MW-4	Total/NA	Water	8270C LL	103939
600-71531-1 MS	VCP-MW-4	Total/NA	Water	8270C LL	103939
600-71531-1 MSD	VCP-MW-4	Total/NA	Water	8270C LL	103939
LCS 600-103939/2-A	Lab Control Sample	Total/NA	Water	8270C LL	103939
MB 600-103939/1-A	Method Blank	Total/NA	Water	8270C LL	103939

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71531-1

Client Sample ID: VCP-MW-4
Date Collected: 04/12/13 10:25
Date Received: 04/13/13 10:25

Lab Sample ID: 600-71531-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			103939	04/15/13 10:14	RK	TAL HOU
Total/NA	Analysis	8270C LL		1	104075	04/16/13 10:28	TTD	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-71531-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

TestAmerica
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Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TAL-4124 (1007)

Client: PBW	Project Manager: ERIC PASTOR	Date:	Chain of Custody Number: 243411
Address: 2201 DOUBLE CREEK DR	Telephone Number (Area Code)/Fax Number: 512-671-3134	Lab Number:	Page 1 of 1
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): EXIDE-FRISCO - J-PARCEL	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: SVOCs
VCP-MW-4	4-12-13			X			X						X

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

600-71531 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: John Bra	4-12-13	1110	1. Received By:	4/12/13	1110
2. Relinquished By:	4/12/13	1505	2. Received By: McCrea	4/12/13	1505
3. Relinquished By: McCrea	4/12/13	1700	3. Received By:		

Comments

04/13/13 025

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/1/2013

Page 28 of 29

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71531-1

Login Number: 71531

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

SITE:	Exide Undeveloped Buffer Property VCP Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
INTENDED USE:	Evaluate potential impacts to site soils	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-70120-3	
TESTS/ METHODS:	Total Metals (As, Cd and Pb)	SW846 3050B/6010B
SAMPLE:	Lab ID: 600-70120-18 Field ID: E-11B (0-0.5) Sample Matrix: Soil Sample Date: 3/15/13 QC Batch: 101869	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports;
- Laboratory Electronic Data Deliverable (EDD); and
- Project field notes from the sampling event.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and $\pm$MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as 15.9 mg/kg for Arsenic, 0.25 mg/kg for Cadmium and 18 mg/kg for Lead. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with the criteria.

2. Usability of Qualified Data – No QC deficiencies were noted and the reviewer did not apply any data quality flags. Thus, all results are acceptable for the intended use.

QAA Reviewer: Taryn G. Scholz (Name) 6/12/13 (Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data package contains all necessary data (i.e., the laboratory reportable data per TRRP-13). The report was revised to add Arsenic to the list of analytes per a misunderstanding by the laboratory, as the request did not apply to this sample.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody record is complete and agrees with that in the field notes and laboratory report. The reviewer also confirmed that all tests are reported as requested on the custody record and found no issues. Note that the sample is on the same custody record as samples collected from another area of the site. The results for these samples are reported separately.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation.
Field Procedures	The sample was collected and placed immediately into a sterilized jar provided by the laboratory and then into a cooler with ice. No field QC samples were collected with this single sample.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL. The EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in mg/kg with dry-weight correction. Non-detects are reported using the SDL as specified per TRRP. There are no detects between the SDL and MQL for this sampling event and the sample did not require dilution.
MQLs	The LORPs have been established by PBW as 15.9 mg/kg for Arsenic, 0.25 mg/kg for Cadmium and 18 mg/kg for Lead. The Unadjusted MQLs for the laboratory are at or below the LORP for each analyte.
MDLs	According to the LRC, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data package.
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory.
Field QC Blanks	No field QC blanks were collected with the sample.
Laboratory Control Spike Recovery	The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. The LCS recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.
Matrix Spike Recovery	The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. Recoveries are reported for MS/MSD prepared using a sample from the work order, of which there are none for this sampling event.
Surrogate Recovery	Surrogates are not used for 6010B metals analysis.

QC PARAMETER	QC OUTCOME
Laboratory Duplicate Precision	The laboratory prepared one Matrix Duplicate (MD) and one Matrix Spike Duplicate (MSD) for each analytical batch. RPDs are reported for MD and MSD prepared using a sample from the work order, of which there are none for this sampling event.
Field Duplicate Precision	No field duplicates were collected with the sample.
Instrument Tuning	Instrument tuning is not required for 6010B metals analysis.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	Internal standards are not used for 6010B metals analysis.

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

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Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-70120-3
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Eric Pastor

Authorized for release by:
6/11/2013 5:10:31 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-70120-3

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/10/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70120-3
Reviewer Name: TWR	Prep Batch Number(s): 600-101869 - ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70120-3
Reviewer Name: TWR	Prep Batch Number(s): 600-101869 - ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/09/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-70120-3
Reviewer Name: TWR	Prep Batch Number(s): 600-101869 - ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS/SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	11/29/2012
Date Prepared:	11/28/2012
Instrument:	Thermo 6500
TALS Batches:	94304,94171(prep)
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.44	25
Antimony	0.231553	0.45	0.475	2.5
Arsenic	0.217923	0.5	0.58	1
Barium	0.011322	0.03	0.03	1
Beryllium	0.014513	0.02	0.02	0.25
Boron	0.385535	0.6	0.885	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.205	100
Chromium	0.050606	0.1	0.11	0.5
Cobalt	0.067622	0.1	0.1	0.5
Copper	0.173703	0.5	0.385	0.5
Iron	2.534007	4	4.285	20
Lead	0.104832	0.2	0.23	0.5
Selenium	0.258884	0.5	0.56	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.38	0.5
Nickel	0.116599	0.15	0.14	1
Silver	0.118848	0.2	0.21	0.5
Sodium	0.885548	2.4	3.225	100
Strontium	0.00252	0.005	0.985	0.25
Thallium	0.276988	0.7	0.71	1.5
Tin	0.08729	0.15	0.16	1
Titanium	0.014529	0.03	0.02	0.5
Vanadium	0.079068	0.15	0.17	0.5
Zinc	0.108432	0.2	0.315	1.5

Job ID: 600-70120-3

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-70120-3

Comments
The report was revised on 06/11/13 to include arsenic in the metals section of the report per client request

Receipt
The samples were received on 3/16/2013 9:19 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.1° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-70120-18	E-11B (0-0.5)	Solid	03/15/13 09:45	03/16/13 09:19

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Client Sample ID: E-11B (0-0.5)
Date Collected: 03/15/13 09:45
Date Received: 03/16/13 09:19

Lab Sample ID: 600-70120-18
Matrix: Solid
Percent Solids: 72.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.922		0.318	0.0326	mg/Kg	☼	03/18/13 10:44	03/18/13 16:38	1
Lead	216		0.636	0.133	mg/Kg	☼	03/18/13 10:44	03/18/13 16:38	1
Arsenic	13.7		1.27	0.277	mg/Kg	☼	03/18/13 10:44	03/18/13 16:38	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0	1.0	%			03/16/13 18:19	1
Percent Solids	72		1.0	1.0	%			03/16/13 18:19	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-101869/1-A
Matrix: Solid
Analysis Batch: 101886

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 101869

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		03/18/13 10:44	03/18/13 15:48	1
Lead	0.105	U	0.500	0.105	mg/Kg		03/18/13 10:44	03/18/13 15:48	1
Arsenic	0.218	U	1.00	0.218	mg/Kg		03/18/13 10:44	03/18/13 15:48	1

Lab Sample ID: LCSSRM 600-101869/2-A
Matrix: Solid
Analysis Batch: 101886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 101869

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	98.45		mg/Kg		95.6	83.6 - 115.5
Lead	76.9	80.12		mg/Kg		104.2	81.3 - 118.7
Arsenic	168	161.5		mg/Kg		96.1	83.3 - 117.3

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Arsenic	1.00	0.218	mg/Kg	6010B
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

QC Association Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Metals

Prep Batch: 101869

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70120-18	E-11B (0-0.5)	Total/NA	Solid	3050B	
LCSSRM 600-101869/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-101869/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 101886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70120-18	E-11B (0-0.5)	Total/NA	Solid	6010B	101869
LCSSRM 600-101869/2-A	Lab Control Sample	Total/NA	Solid	6010B	101869
MB 600-101869/1-A	Method Blank	Total/NA	Solid	6010B	101869

General Chemistry

Analysis Batch: 101841

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-70120-18	E-11B (0-0.5)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Client Sample ID: E-11B (0-0.5)
Date Collected: 03/15/13 09:45
Date Received: 03/16/13 09:19

Lab Sample ID: 600-70120-18
Matrix: Solid
Percent Solids: 72.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			101869	03/18/13 10:44	NER	TAL HOU
Total/NA	Analysis	6010B		1	101886	03/18/13 16:38	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	101841	03/16/13 18:19	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-70120-3

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAr
THE LEADER IN ENVI

600-70120 Chain of Custody

6/11/2013

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling & Wheeler	Will Vienne / Eric Pastor	3/14/13	225369
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
2201 Double Creek Dr. Ste 4004	(512) 671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide - Frisco, TX			
Contract/Purchase Order/Quote No.			
1755			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Ice	Analysis: LEAD	CADMIUM	VOC	TPH	Hold
2013 - STB - 9 (0.5-1.0)	3/14/13	1550				X	X						X	X	X			
2013 - STB - 10 (0.5-1.1)		1600				X	X							X	X			
2013 - STB - 12 (0.5-1.2)		1610				X	X							X	X			
2012 - FWCS - 12 (2-2.7)	3/15/13	0845				X	X							X	X			
2012 - FWCS - 12 ~~(2.7)~~ (4-5)		0845				X	X							X	X			X
2013 - MW-17A (0-0.5)		0900				X	X							X	X			
2013 - MW-17A (0.5-2)		0900				X	X							X	X			X
2013 - MW-17A (2-4)		0900				X	X							X	X			X
2013 - MW-17A (4-5)		0900				X	X							X	X			X
2013 - RO-3 (0-0.5)		0915				X	X							X	X			
2013 - RO-3 (0.5-2)		0915				X	X							X	X			X
2013 - RO-3 (2-4)		0915				X	X							X	X			X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP 13

	Date	Time		Date	Time
1. Relinquished By: Will Vienne	3-15-13	1850	1. Received By		
2. Relinquished By			2. Received By	03/16/13	0919
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Paster, Behling & Wheeler	Will Vienne	3-15-13	225387
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
2201 Double Creek Dr	512-671-3434		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
1755 Frisco, TX			
Contract/Purchase Order/Quote No.			
1755			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	ICE	Analysis: Lead	Cadmium										Hold	Special Instructions/ Conditions of Receipt
2013-RO-3 (4-5)	3-15-13	0915				X	X						X	X	X										X	
ECO-7B (0-0.5)		0821				X	X						X	X	X											
ECO-7B (0.5-1)		0823				X	X						X	X	X										X	
ECO-7B (1-1.5)		0840				X	X						X	X	X										X	
ECO-7B (1.5-2)		0845				X	X						X	X	X										X	
E-11B (0-0.5)		0945				X	X						X	X	X											
E-11B (0.5-2)		0945				X	X						X	X	X										X	
E-11B (2-4)		0945				X	X						X	X	X										X	
E-11B (4-5)		0945				X	X						X	X	X										X	
2013-FWCS-1B (1.1-1.6)		0925				X	X						X	X	X											
2013-FWCS-1B (1.6-2.1)		0930				X	X						X	X	X										X	
2013-FWCS-1B (2.1-2.6)		0945				X	X						X	X	X										X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Will Vienne	3-15-13	1750	1. Received By		
2. Relinquished By			2. Received By	03/14/13	0919
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

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TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Paston, Behling & Wheeler	Will Vienne	3-15-13	225388
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 3**
2201 Double Creek Suite 4004	512-671-3434		
City / State / Zip Code	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664			
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide - Frisco, TX			
Contract/Purchase Order/Quote No.			
1755			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TCE	Analysis: Lead	Cadmium											Hold	Special Instructions/ Conditions of Receipt
2013-FWCS-1B (2.6-3.1)	3-15-13	0955				X	X						X	X	X											X	
2013-WMU17-1 (0-0.5)	3-15-13	1200				X	X						X	X	X											X	UFV do not hold
2013-WMU17-2 (0-0.5)	3-15-13	1205				X	X						X	X	X											X	
2013-AD-2 (0-0.5)	3-15-13	1340				X	X						X	X	X											X	

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By: Will Vienne	3.15.13	1850
2. Relinquished By		
3. Relinquished By		

	Date	Time
1. Received By		
2. Received By	03/16/13	0819
3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

6/11/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-70120-3

Login Number: 70120

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

SITE:	Exide Undeveloped Buffer Property VCP Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Soil Sampling (TP, CF and Cistern) – April 2013	
INTENDED USE:	Evaluate potential impacts to site soils	
LABORATORIES:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Orders: 600-71692-1, 600-71692-2, 600-71692-3, and 600-71753-1	
	Accutest Laboratories Gulf Coast – Houston, TX(1) TLAP Certification T104704220 Work Order: TC29206	
	(1) For a single sample (TP-18 1.5) collected on 4/17/13 and analyzed for Cadmium and Lead	
TESTS/ METHODS:	Total Metals – RCRA (Ag, As, Ba, Cd, Cr, Pb, Se, and Hg)	SW846 3050B/6010B and 7471A
	Total Metals (Cd and Pb)	SW846 3050B/6010B
	Total Metals (Cu and Sn)	SW846 3050B/6010B
	SPLP Metals (As or Cu)	SW846 1312/3010A/6010B
	Volatile Organic Compounds (VOC)	SW846 5030B/8260B
	Semivolatile Organic Compounds (SVOC)	SW846 3550B/8270C LL
	Chlorinated Pesticides (PEST)	SW846 3550B/8081A
	Chlorinated Herbicides (HERB)	SW846 8151A
	Total Petroleum Hydrocarbons (TPH)	TX 1005
SAMPLES:	40 soil samples, 5 field duplicates, 2 field MS/MSD pairs, 9 laboratory MS/MSD pairs, 2 trip blanks (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports;
- Laboratory Electronic Data Deliverable (EDD); and
- Project field notes from the sampling event.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks

- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and ±MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13
- Organics: 60-140% spike recovery (and not less than 10% or data is rejected) and ±MQL difference or 40% RPD (for laboratory duplicates) as recommended in TRRP-13
- Soil Samples: ± 3x MQL difference (if either result is less than 5x MQL) or 50% RPD (for field duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13. A list of all qualified results and definitions of the qualifier and bias codes are given in Table 2.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical

adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratories were NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody forms except for Bromomethane by SW-846 8260B, which is reported by TestAmerica for 25 soil samples and Chlordane (technical), which is reported by TestAmerica for one soil sample. The results for both analytes are validated and reported as part of a suite of analytes for the method. For Bromomethane, the laboratory's recertification is in progress for this analyte pending TCEQ action. For Chlordane (technical), the laboratory is certified for alpha-Chlordane and gamma-Chlordane and has requested that the TCEQ add this analyte to their certification. Per TRRP-13, the reviewer qualified all results for Bromomethane and Chlordane (technical) as not accredited - single analyte in a multi-analyte suite (X8). A copy of the laboratories' National Environmental Laboratory Accreditation Program (NELAP) certificates applicable to the period during which each laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1, 2 or 3 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by each laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs, except for two of the 67 SVOC analytes. The analytes (Benzidine and N-Nitrosodimethylamine) have particularly low LORPs. The laboratory MQLs for these analytes are considered the lowest attainable using standard methodology (SW-846 8270C LL) without special analytical techniques and are considered adequate for this phase of the site investigation.

2. Usability of Qualified Data – As shown in Table 2, the non-detect results for 2,4-Dinitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, Benzidine, and Hexachlorocyclopentadiene for five samples (CF-1, CF-1 Dup, CF-2, CF-3, and CF-4) are qualified as rejected (R) because the analyte was not recovered in the MS or MSD (0% recovery). The absence or presence of these analytes cannot be determined and thus the data is rejected. Additionally, the validator qualified some detects and non-detects as biased low (JL and UJL) and some detects as estimated (J) due to minor QC deficiencies. Results that are biased low can be used for determining the absence or presence of the analyte and as an indication that the concentration of the analyte exceeds a given criterion. However, the concentration reported for detects or the SDL for non-detects may be low. Results that are estimated may be either low or high. For estimated data that is qualified due to field duplicate precision, the results from the original sample and the field duplicate sample should be compared and the higher value should be used for project decisions. This provides a conservative approach relative to protection of the environment. (For field duplicate results that meet the precision criteria, the result for use (i.e., the result from the original sample, the average result, or the higher result, etc.) should be selected per project guidelines or agency recommendations.) The reviewer also qualified two Mercury detects as potentially contaminated (U) due to detection of the analyte in the associated laboratory blank. In each case, the analyte should be considered not detected at or above the reported concentration. Additionally, all results for Bromomethane and Chlordane (technical) in these solid samples are qualified as not accredited - single analyte

in a multi-analyte suite (X8). QC results are reported for Bromomethane, alpha-Chlordane, and gamma-Chlordane and meet the requirements for all of the blanks and spikes. Additionally, the laboratory is accredited for the remaining 39 SW-846 8260B analytes and the remaining 21 SW-846 8081A analytes in this matrix, analyzed by these methods. The analyte results are validated and reported as part of a suite of analytes for the method. Finally, results with a laboratory J-flag (i.e., at a concentration between the SDL and MQL) should be considered estimates. The actual value is not expected to exceed the sample MQL.

QAA Reviewer:	Taryn G. Scholz	5/17/13
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data packages contain all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contain all sample results in acceptable format. Minor revisions were required for the data package for work order 600-71692-1. All revisions are detailed in the laboratory narrative.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody records is complete and agrees with that in the field notes and laboratory reports, except as follows: • The field IDs on the custody record for TestAmerica lab ID 600-71692-1, 600-71692-2, and 600-71692-6 indicate the samples were collected at location TP-4. These samples were collected at location TP-9 as documented in the field notes and confirmed by the collection date and time. The correct field IDs are reported by the laboratory. • The custody record indicates sample Cistern (TestAmerica lab ID 600-71692-33) was collected 4/16/13 09:50. The time was corrected to 10:25 in the field notes. This is minor inconsistency with no effect on the holding time status for the sample and thus no further action was taken. • One sample (field ID TP-18 1.5', TestAmerica lab ID 600-71753-6) including an MS/MSD is listed on the custody record for TestAmerica work order 600-71753-1 but was not received. (The laboratory narrative also states that TestAmerica lab ID 600-71753-1 thru 600-71753-4 were not received, but these samples were included in the shipment and results are reported as requested.) A laboratory split sample was collected at this location/depth and sent to Accutest Gulf Coast and subsequently released for Cd and Pb analysis. The results are reported in Accutest Gulf Coast work order TC29206. • The laboratory report indicates sample TP-17 1.5' (TestAmerica lab ID 600-71753-7) was collected 4/17/13 00:09. This sample was collected 4/17/13 09:00 as shown on custody record and confirmed in the field notes. This is minor inconsistency with no effect on the holding time status for the sample and thus no further action was taken. The reviewer also confirmed that all tests are reported as requested on the custody record and found the following changes: • SPLP Arsenic or SPLP Copper was added for samples TP-7 3', CF-1, and Cistern. Results are reported under TestAmerica work order 600-71692-2. • SPLP Arsenic was added for sample TP-10 1'. Results are reported under TestAmerica work order 600-71692-3.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation. Note that one cooler for TestAmerica work order 600-71753-1 was received at 14 C. These samples were analyzed for Cadmium and Lead only and neither chemical nor thermal preservation is required for metals (except Mercury) in soils per SW-846 *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*. Thus, there is no effect on data quality.

QC PARAMETER	QC OUTCOME
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a cooler with ice, as required, for overnight delivery to the laboratory. (Note that the VOC/ TPH sample aliquots were collected using a bulk sampling technique into dedicated 2-ounce jars with lined lids that were completely filled and that were frozen upon receipt at the laboratory until preparation and analysis.) Five field duplicates were collected with the 40 investigative samples along with two field MS/MSD pairs and two trip blanks (one for each cooler containing VOC samples).
Results Reporting Procedures	The TestAmerica hardcopy analytical results include a Result, MQL (adjusted), and SDL. The TestAmerica EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. The Accutest Gulf Coast hardcopy analytical results include a Result, MQL (adjusted), and SDL. Accutest Gulf Coast did not submit an EDD. Results are reported in mg/kg with dry-weight correction. Non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. The concentration reported for detects between the SDL and MQL is below the calibration range and thus is considered estimated. All but five of the 25 SVOC samples required 5-10x dilution due to the nature of the sample matrix, and thus these samples have elevated reporting limits for the non-detects.
MQLs	The LORPs have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1, 2, or 3 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. The Unadjusted MQLs for both laboratories are at or below the LORPs for each applicable analyte, except as follows:

Analyte	LORP	Laboratory MQL	Laboratory MDL
Benzidine	0.00055 mg/kg	0.0833 mg/kg	0.00902 mg/kg
N-Nitrosodimethylamine	0.0018 mg/kg	0.0167 mg/kg	0.00419 mg/kg

	The laboratory MQLs for these analytes are considered the lowest attainable using standard methodology (SW-846 8270C LL) without special analytical techniques and are considered adequate for this phase of the site investigation.
MDLs	According to the LRC, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the TestAmerica data packages. Per the Accutest Gulf Coast LRC, the MDL is either adjusted or supported by the analysis of DCS and the DCS is on file in the laboratory.
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory, except as follows:

QC PARAMETER	QC OUTCOME

Laboratory Blanks

Lab	Blank Type	QC Batch	Analyte	Blank Concentration
TestAmerica	Method	104189	Barium	0.03500 J mg/kg
TestAmerica	Method	104293	Barium	0.6050 J mg/kg
TestAmerica	Method	104163	Mercury	0.006133 J mg/kg

Results for samples prepared in the same QC batch as a contaminated method blank may be affected by laboratory contamination. For Barium, all of the samples have an analyte concentration well above that in the blanks and thus there is no effect on data quality. For Mercury, the reviewer qualified the results in the two samples that were analyzed in the same QC batch and have a concentration similar to the blank (i.e., within five times that measured in the blank) as potentially contaminated (U).

Field QC Blanks

No analytes are reported above the detection limit in the field QC blanks, which confirms that no contamination was introduced in the field, except as follows:

Blank Type	Receipt Date	Analyte	Blank Concentration
Trip	4/17/2013	Acetone	0.0161 mg/L
Trip	4/17/2013	Acetone	0.0163 mg/L

Results for samples shipped with a contaminated trip blank may be affected by field contamination. However, Acetone was not detected in any of the soil samples, and thus there is no effect on data quality.

Laboratory Control Spike and Matrix Spike Recovery

The laboratories prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes except >C28-C35 TPH and the multi-component pesticides Chlordane (Technical) and Toxaphene. Additionally, TestAmerica prepared a duplicate LCS (i.e., a LCSD) with the PEST and HERB batches.

The laboratories also prepared one or more matrix spike (MS) and matrix spike duplicate (MSD) with each analytical batch plus a Post Digestion Spike (PDS) with each metals analytical batch. The spike solution contained the same analytes as the LCS. TestAmerica reported recoveries for MS/MSD prepared using a sample from the site, which includes at least one MS/MSD for every test except Total Metals (Cu and Sn), PEST, and HERB as shown in Table 1. PDS outcomes are given on the LRC but PDS data are not reportable data per TRRP-13. Since the limits used by the laboratory (75-125%) differ from the data quality criteria (70-130%) and in order to better evaluate data quality, the reviewer requested PDS data from TestAmerica for work order 600-71692-1 and it was provided as package addenda (see Attachment 2). For the single sample analyzed by Accutest Gulf Coast, recoveries are reported for a MS/MSD prepared using a sample from another site. This data does not reflect on data quality for the site and thus was not reviewed.

For Mercury, SPLP Metals, PEST, HERB and TPH, the recoveries are within the TRRP recommended criteria, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects (for LCS/LCSD) and on the given sample matrix (for MS/MSD), except as follows:

- The LCSD recovery for HERB QC batch 104280 is slightly below the limits at 58%. The LCS recovery passes at 66%, giving an average LCS/LCSD recovery of 62%. Both recoveries are above the data rejection limit (10% for organics) and the average recovery is within the criteria, and thus the reviewer did not qualify the data.

QC PARAMETER	QC OUTCOME
	For Total Metals, VOC and SVOC, some LCS, MS/MSD and/or PDS recoveries for a given analyte are outside the criteria. Details for each exceedance are given in Table 3. The reviewer assessed data quality and applied qualifiers as shown in the table.
Surrogate Recovery	TestAmerica performed the organic (VOC, SVOC, PEST, HERB and TPH) analyses and used one to six surrogates for each analysis. Surrogate recoveries are within the laboratory limits, which indicates that the overall accuracy of the preparation and analysis technique is good for each particular sample, except as follows: • The recoveries for 2-Fluorobiphenyl and/or 2-Fluorophenol are below the limits for the 15 SVOC samples analyzed at a 10x dilution. The recoveries range from 14-47%. Recoveries for the remaining four surrogates are within control. Since the samples were diluted, no data qualification is required.
Laboratory Duplicate Precision	The laboratories prepared one or more Matrix Spike Duplicate (MSD) with each analytical batch. Additionally, TestAmerica prepared one Matrix Duplicate (MD) with each metals analytical batch. TestAmerica reported RPDs for MSD and MD prepared using a sample from the site, which includes at least one MSD for every test except Total Metals (Cu and Sn), PEST and HERB as shown in Table 1. For the single sample analyzed by Accutest Gulf Coast, RPDs are reported for a MSD prepared using a sample from another site. This data does not reflect on data quality for the site and thus was not reviewed.
Laboratory Duplicate Precision	The RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix, except in two cases as follows: • For TestAmerica QC batch 104189, the Arsenic RPD of 33% and the Lead RPD of 50% are above the limit for the MD prepared using sample TP-6 2.5'. The MSD RPD passes the criteria. • For TestAmerica QC batch 104359, the Acetone RPD of 41% is above the limit for the MSD prepared using sample TP-8 3'. • For TestAmerica QC batch 104246, the 4-Nitroaniline RPD of 52% and the N-Nitrosodi-methylamine RPD of 47% is above the limit for the MSD prepared using sample CF-1. RPDs above the limit indicate a potential bias for detects. Acetone, 4-Nitroaniline, and N-Nitroso-dimethylamine were not detected in any soil sample, and thus there is no effect on data quality for these analytes. For Arsenic and Lead, the MD RPD is outside the criteria but the MSD RPD is within the criteria. Thus, the reviewer did not determine that precision for the other samples in the batch are likely affected and qualified the Arsenic and Lead results in the parent sample only as estimated with an unknown bias (J).
Field Duplicate Precision	Five field duplicates were collected with the samples. Results are summarized in Table 4. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP criteria for all pairs except one, which indicates good precision for the sampling, preparation, and analysis technique on the given sample matrix, as follows: • The RPD for Lead in the pair collected at TP-9 5' is above the limit at 80%.

QC PARAMETER	QC OUTCOME
Field Duplicate Precision	The reviewer qualified the detects for Lead in the original sample and field duplicate sample as estimated with an unknown bias (J).
Instrument Tuning	According to the LRC, instrument tuning met method requirements for the samples, which indicates the GC/MS instrument was properly set up to identify analytes.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations, except as follows: • For the TestAmerica continuing calibration blank (CCB) analyzed 4/19/13 10:15, Selenium was detected above the MDL but below the MQL. Nine samples (TP-11 1' Dup, TP-12 1', TP-13 1', the five CF samples, and the Cistern sample) were analyzed on this analytical shift. TP-13 1' is non-detect for Selenium and thus is not affected. The remaining eight samples have detects between the SDL and MQL (i.e., J-values). • For the TestAmerica continuing calibration blanks (CCB) analyzed on 4/18/13 at 8:44 and 9:08, Mercury was detected above the MDL but below the MQL. All of the samples for this event were analyzed on this analytical shift and several have detects between the SDL and MQL (i.e., J-values). In order to determine if data quality is affected, a significant amount of additional Level 4 data is required from the laboratory. No further action was taken for this phase of the project.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists, except as follows: • The %differences for Barium, Chromium, and Lead for the serial dilution (SD) prepared using sample TP-7 1' (lab ID 600-71692-7) are above the acceptance limit due to matrix interference. (Only Cadmium and Lead are reported for this sample and thus there is no effect on data quality for Barium or Chromium.) • The %differences for Chromium for the serial dilution (SD) prepared using sample TP-13 1' (lab ID 600-71692-27) is above the acceptance limit due to matrix interference. SD outcomes are given on the LRC but SD data are not reportable data per TRRP-13. Since the limit used by the laboratory (10%) differs from the data quality criteria (30%) and in order to better evaluate data quality, the reviewer requested SD data from TestAmerica for work order 600-71692-1 and it was provided as package addenda (see Attachment 2). In the above cases, the %differences are above the method limit used by the laboratory (10%) but within the data quality criteria (30%), and thus no data qualification is required.
Internal Standards	According to the LRC, area counts and retention times were within method requirements.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
SOIL SAMPLING (TP, CF AND CISTERN) – APRIL 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch									
						Total Metals (ICP)[1]	Total Metals (Mercury)	Total Metals (Cd/Pb)	Total Metals (Cu/Sn)	SPLP Metals (As/Cu)	VOC	SVOC	PEST	HERB	TPH
TestAmerica – Houston, TX															
600-71692-001	TP-9 1'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-001	TP-9 1'	MS	Solid	4/15/13	1	NA	NA	NA	NA	NA	104298	NA	NA	NA	NA
600-71692-001	TP-9 1'	MSD	Solid	4/15/13	1	NA	NA	NA	NA	NA	104298	NA	NA	NA	NA
600-71692-001DL	TP-9 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-002	TP-9 5'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	104245	NA	NA	104188
600-71692-003	TP-8 1'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-004	TP-8 3'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104359	104245	NA	NA	104188
600-71692-004	TP-8 3'	MS	Solid	4/15/13	1	104189	104161	NA	NA	NA	104359	104245	NA	NA	104188
600-71692-004	TP-8 3'	MSD	Solid	4/15/13	1	104189	104161	NA	NA	NA	104359	104245	NA	NA	104188
600-71692-004	TP-8 3'	MD	Solid	4/15/13	1	104189	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-005	TP-8 5'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	104245	NA	NA	104188
600-71692-006	TP-9 5' Dup	FD	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	104245	NA	NA	104188
600-71692-007	TP-7 1'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-007	TP-7 1'	MS	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-007	TP-7 1'	MSD	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-007	TP-7 1'	MD	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-008	TP-7 2'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-008DL	TP-7 2'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-009	TP-7 3'	INV	Solid	4/15/13	1	104189	104161	NA	NA	104808 (As)	104298	104245	NA	NA	104188
600-71692-009	TP-7 3'	MS	Solid	4/15/13	1	NA	104161	NA	NA	104808 (As)	NA	NA	NA	NA	NA
600-71692-009	TP-7 3'	MSD	Solid	4/15/13	1	NA	NA	NA	NA	104808 (As)	NA	NA	NA	NA	NA
600-71692-009	TP-7 3'	MD	Solid	4/15/13	1	NA	104161	NA	NA	104808 (As)	NA	NA	NA	NA	NA

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch									
						Total Metals (ICP)[1]	Total Metals (Mercury)	Total Metals (Cd/Pb)	Total Metals (Cu/Sn)	SPLP Metals (As/Cu)	VOC	SVOC	PEST	HERB	TPH
600-71692-010	TP-6 1'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-011	TP-6 2.5'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-011	TP-6 2.5'	MS	Solid	4/15/13	1	104189	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-011	TP-6 2.5'	MSD	Solid	4/15/13	1	104189	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-011	TP-6 2.5'	MD	Solid	4/15/13	1	104189	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-011DL	TP-6 2.5'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-012	TP-6 3.5	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-012DL	TP-6 3.5	INV	Solid	4/15/13	5	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-013	TP-6 3.5' Dup	FD	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-013DL	TP-6 3.5' Dup	FD	Solid	4/15/13	5	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-014	TP-5 3'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-014DL	TP-5 3'	INV	Solid	4/15/13	5	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-015	TP-1 1'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-015DL	TP-1 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-016	TP-1 2'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-016DL	TP-1 2'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-017	TP-5 1'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-017DL	TP-5 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-018	TP-2 1'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-019	TP-3 1.5'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-020	TP-3 0.5'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-020	TP-3 0.5'	MS	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-020	TP-3 0.5'	MSD	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-020	TP-3 0.5'	MD	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-021	TP-4 0.5'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-022	TP-4 1.5'	INV	Solid	4/15/13	1	NA	NA	104278	NA	NA	NA	NA	NA	NA	NA
600-71692-023	TP-10 1'	INV	Solid	4/15/13	1	104189	104161	NA	NA	105112 (As)	104298	NA	NA	NA	104188
600-71692-023	TP-10 1'	MS	Solid	4/15/13	1	NA	NA	NA	NA	105112 (As)	NA	NA	NA	NA	NA
600-71692-023	TP-10 1'	MSD	Solid	4/15/13	1	NA	NA	NA	NA	105112 (As)	NA	NA	NA	NA	NA
600-71692-023	TP-10 1'	MD	Solid	4/15/13	1	NA	NA	NA	NA	105112 (As)	NA	NA	NA	NA	NA

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch									
						Total Metals (ICP)[1]	Total Metals (Mercury)	Total Metals (Cd/Pb)	Total Metals (Cu/Sn)	SPLP Metals (As/Cu)	VOC	SVOC	PEST	HERB	TPH
600-71692-023DL	TP-10 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-024	TP-11 1'	INV	Solid	4/15/13	1	104189	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-024DL	TP-11 1'	INV	Solid	4/15/13	5	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-025	TP-11 1' Dup	FD	Solid	4/15/13	1	104293	104161	NA	NA	NA	104298	NA	NA	NA	104188
600-71692-025DL	TP-11 1' Dup	FD	Solid	4/15/13	5	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-026	TP-12 1'	INV	Solid	4/15/13	1	104293	104161	NA	NA	NA	104359	NA	NA	NA	104188
600-71692-026DL	TP-12 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-027	TP-13 1'	INV	Solid	4/15/13	1	104293	104161	NA	NA	NA	104359	NA	NA	NA	104188
600-71692-027	TP-13 1'	MS	Solid	4/15/13	1	104293	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-027	TP-13 1'	MSD	Solid	4/15/13	1	104293	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-027	TP-13 1'	MD	Solid	4/15/13	1	104293	NA	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-027DL	TP-13 1'	INV	Solid	4/15/13	10	NA	NA	NA	NA	NA	NA	104245	NA	NA	NA
600-71692-028	CF-1	INV	Solid	4/16/13	1	104293	104161	NA	104293 (Sn)	104808 (Cu)	104359	NA	NA	NA	104188
600-71692-028DL	CF-1	INV	Solid	4/16/13	10	NA	NA	NA	104293 (Cu)	NA	NA	104246	NA	NA	NA
600-71692-028DL	CF-1	MS	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-028DL	CF-1	MSD	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-029	CF-1 Dup	FD	Solid	4/16/13	1	104293	104163	NA	104293	NA	104359	NA	NA	NA	104215
600-71692-029	CF-1 Dup	MS	Solid	4/16/13	1	NA	104163	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-029	CF-1 Dup	MD	Solid	4/16/13	1	NA	104163	NA	NA	NA	NA	NA	NA	NA	NA
600-71692-029DL	CF-1 Dup	FD	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-030	CF-2	INV	Solid	4/16/13	1	104293	104163	NA	104293	NA	104359	NA	NA	NA	104215
600-71692-030DL	CF-2	INV	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-031	CF-3	INV	Solid	4/16/13	1	104293	104163	NA	104293	NA	104359	NA	NA	NA	104215
600-71692-031DL	CF-3	INV	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-032	CF-4	INV	Solid	4/16/13	1	104293	104163	NA	104293	NA	104359	NA	NA	NA	104215
600-71692-032DL	CF-4	INV	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-033	Cistern	INV	Solid	4/16/13	1	104293	104163	NA	104293	104808 (As)	104359	NA	104262	104280	104215
600-71692-033	Cistern	MS	Solid	4/16/13	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	104215
600-71692-033	Cistern	MSD	Solid	4/16/13	1	NA	NA	NA	NA	NA	NA	NA	NA	NA	104215
600-71692-033DL	Cistern	INV	Solid	4/16/13	10	NA	NA	NA	NA	NA	NA	104246	NA	NA	NA
600-71692-034	TB-1	TB	Water	4/15/13	1	NA	NA	NA	NA	NA	104326	NA	NA	NA	NA

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch									
						Total Metals (ICP)[1]	Total Metals (Mercury)	Total Metals (Cd/Pb)	Total Metals (Cu/Sn)	SPLP Metals (As/Cu)	VOC	SVOC	PEST	HERB	TPH
600-71692-035	TB-2	TB	Water	4/15/13	1	NA	NA	NA	NA	NA	104326	NA	NA	NA	NA
600-71753-001	TP-16 (1-2)	INV	Solid	4/16/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-002	TP-15 1'	INV	Solid	4/16/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-003	TP-14 1'	INV	Solid	4/16/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-004	SCSS	INV	Solid	4/16/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-005	TP-19 2'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-007	TP-17 1.5'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-008	TP-31 2'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-009	TP-31 2' Dup	FD	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-010	TP-28 1.5'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-011	TP-29 2'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
600-71753-012	TP-30 2.5'	INV	Solid	4/17/13	1	NA	NA	104468	NA	NA	NA	NA	NA	NA	NA
Accutest Laboratories Gulf Coast – Houston, TX															
TC29206-2[2]	TP-18 1.5	INV	Solid	4/17/13	1	NA	NA	MP20402	NA	NA	NA	NA	NA	NA	NA

1. ICP Metals include Silver (Ag), Arsenic (As), Barium (Ba), Cadmium (Cd), Chromium (Cr), Lead (Pb), and Selenium (Se).
2. Accutest Gulf Coast work order TC29206 includes six other samples that were analyzed for %moisture only and were not included in the data review.

DF – Dilution Factor

FD – Field Duplicate

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

TB – Trip Blank

TABLE 2

EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION

SOIL SAMPLING (TP, CF AND CISTERN) – APRIL 2013

QUALIFIED SAMPLE RESULTS

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
CF-1	600-71692-028	4/16/13	2-Butanone (MEK)	0.00231	U	mg/Kg	UJL	Low LCS recovery (52%)
CF-1	600-71692-028	4/16/13	2-Hexanone	0.00123	U	mg/Kg	UJL	Low LCS recovery (55%)
CF-1	600-71692-028	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00179	U	mg/Kg	UJL	Low LCS recovery (54%)
CF-1	600-71692-028	4/16/13	Bromomethane	0.00101	U	mg/Kg	X8	none
CF-1	600-71692-028	4/16/13	1,2-Dichlorobenzene	0.0366	U	mg/Kg	UJL	Low average MS/MSD recovery (53%)
CF-1	600-71692-028	4/16/13	1,3-Dichlorobenzene	0.0187	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
CF-1	600-71692-028	4/16/13	1,4-Dichlorobenzene	0.0273	U	mg/Kg	UJL	Low average MS/MSD recovery (48%)
CF-1	600-71692-028	4/16/13	2,4-Dinitrophenol	0.0573	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1	600-71692-028	4/16/13	2-Chlorophenol	0.0239	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-1	600-71692-028	4/16/13	2-Methylnaphthalene	0.0332	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
CF-1	600-71692-028	4/16/13	2-Nitroaniline	0.0593	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
CF-1	600-71692-028	4/16/13	2-Nitrophenol	0.0472	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-1	600-71692-028	4/16/13	3,3'-Dichlorobenzidine	0.123	U	mg/Kg	R	Low LCS recovery (59%); Analyte not recovered in MS or MSD
CF-1	600-71692-028	4/16/13	3-Nitroaniline	0.0868	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1	600-71692-028	4/16/13	4-Nitroaniline	0.135	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-1	600-71692-028	4/16/13	Benzidine	0.109	U	mg/Kg	R	Low LCS recovery (40%); Analyte not recovered in MS or MSD
CF-1	600-71692-028	4/16/13	Benzyl alcohol	0.0707	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-1	600-71692-028	4/16/13	bis (2-Chloroisopropyl) ether	0.107	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-1	600-71692-028	4/16/13	Bis(2-chloroethyl)ether	0.02	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-1	600-71692-028	4/16/13	Hexachlorocyclopentadiene	0.0559	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1	600-71692-028	4/16/13	Hexachloroethane	0.028	U	mg/Kg	UJL	Low average MS/MSD recovery (44%)
CF-1	600-71692-028	4/16/13	Naphthalene	0.0164	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-1	600-71692-028	4/16/13	Nitrobenzene	0.0359	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-1	600-71692-028	4/16/13	N-Nitrosodimethylamine	0.0508	U	mg/Kg	UJL	Low average MS/MSD recovery (33%)
CF-1 Dup	600-71692-029	4/16/13	2-Butanone (MEK)	0.00232	U	mg/Kg	UJL	Low LCS recovery (52%)
CF-1 Dup	600-71692-029	4/16/13	2-Hexanone	0.00123	U	mg/Kg	UJL	Low LCS recovery (55%)
CF-1 Dup	600-71692-029	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00179	U	mg/Kg	UJL	Low LCS recovery (54%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
CF-1 Dup	600-71692-029	4/16/13	Bromomethane	0.00101	U	mg/Kg	X8	none
CF-1 Dup	600-71692-029	4/16/13	1,2-Dichlorobenzene	0.0368	U	mg/Kg	UJL	Low average MS/MSD recovery (53%)
CF-1 Dup	600-71692-029	4/16/13	1,3-Dichlorobenzene	0.0188	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
CF-1 Dup	600-71692-029	4/16/13	1,4-Dichlorobenzene	0.0274	U	mg/Kg	UJL	Low average MS/MSD recovery (48%)
CF-1 Dup	600-71692-029	4/16/13	2,4-Dinitrophenol	0.0576	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1 Dup	600-71692-029	4/16/13	2-Chlorophenol	0.024	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-1 Dup	600-71692-029	4/16/13	2-Methylnaphthalene	0.0334	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
CF-1 Dup	600-71692-029	4/16/13	2-Nitroaniline	0.0596	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
CF-1 Dup	600-71692-029	4/16/13	2-Nitrophenol	0.0474	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-1 Dup	600-71692-029	4/16/13	3,3'-Dichlorobenzidine	0.124	U	mg/Kg	R	Low LCS recovery (59%); Analyte not recovered in MS or MSD
CF-1 Dup	600-71692-029	4/16/13	3-Nitroaniline	0.0872	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1 Dup	600-71692-029	4/16/13	4-Nitroaniline	0.136	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-1 Dup	600-71692-029	4/16/13	Benzidine	0.11	U	mg/Kg	R	Low LCS recovery (40%); Analyte not recovered in MS or MSD
CF-1 Dup	600-71692-029	4/16/13	Benzyl alcohol	0.0711	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-1 Dup	600-71692-029	4/16/13	bis (2-Chloroisopropyl) ether	0.108	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-1 Dup	600-71692-029	4/16/13	Bis(2-chloroethyl)ether	0.0201	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-1 Dup	600-71692-029	4/16/13	Hexachlorocyclopentadiene	0.0562	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-1 Dup	600-71692-029	4/16/13	Hexachloroethane	0.0282	U	mg/Kg	UJL	Low average MS/MSD recovery (44%)
CF-1 Dup	600-71692-029	4/16/13	Naphthalene	0.0165	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-1 Dup	600-71692-029	4/16/13	Nitrobenzene	0.0361	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-1 Dup	600-71692-029	4/16/13	N-Nitrosodimethylamine	0.0511	U	mg/Kg	UJL	Low average MS/MSD recovery (33%)
CF-2	600-71692-030	4/16/13	Mercury	0.0436	J b	mg/Kg	U	Laboratory blank contamination (0.006133 J mg/kg)
CF-2	600-71692-030	4/16/13	2-Butanone (MEK)	0.00304	U	mg/Kg	UJL	Low LCS recovery (52%)
CF-2	600-71692-030	4/16/13	2-Hexanone	0.00162	U	mg/Kg	UJL	Low LCS recovery (55%)
CF-2	600-71692-030	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00235	U	mg/Kg	UJL	Low LCS recovery (54%)
CF-2	600-71692-030	4/16/13	Bromomethane	0.00133	U	mg/Kg	X8	none
CF-2	600-71692-030	4/16/13	1,2-Dichlorobenzene	0.0482	U	mg/Kg	UJL	Low average MS/MSD recovery (53%)
CF-2	600-71692-030	4/16/13	1,3-Dichlorobenzene	0.0246	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
CF-2	600-71692-030	4/16/13	1,4-Dichlorobenzene	0.0359	U	mg/Kg	UJL	Low average MS/MSD recovery (48%)
CF-2	600-71692-030	4/16/13	2,4-Dinitrophenol	0.0753	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-2	600-71692-030	4/16/13	2-Chlorophenol	0.0314	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-2	600-71692-030	4/16/13	2-Methylnaphthalene	0.0437	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
CF-2	600-71692-030	4/16/13	2-Nitroaniline	0.0781	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
CF-2	600-71692-030	4/16/13	2-Nitrophenol	0.0621	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
CF-2	600-71692-030	4/16/13	3,3'-Dichlorobenzidine	0.162	U	mg/Kg	R	Low LCS recovery (59%); Analyte not recovered in MS or MSD
CF-2	600-71692-030	4/16/13	3-Nitroaniline	0.114	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-2	600-71692-030	4/16/13	4-Nitroaniline	0.178	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-2	600-71692-030	4/16/13	Benzidine	0.144	U	mg/Kg	R	Low LCS recovery (40%); Analyte not recovered in MS or MSD
CF-2	600-71692-030	4/16/13	Benzyl alcohol	0.0931	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-2	600-71692-030	4/16/13	bis (2-Chloroisopropyl) ether	0.141	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-2	600-71692-030	4/16/13	Bis(2-chloroethyl)ether	0.0263	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-2	600-71692-030	4/16/13	Hexachlorocyclopentadiene	0.0736	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-2	600-71692-030	4/16/13	Hexachloroethane	0.0369	U	mg/Kg	UJL	Low average MS/MSD recovery (44%)
CF-2	600-71692-030	4/16/13	Naphthalene	0.0215	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-2	600-71692-030	4/16/13	Nitrobenzene	0.0472	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-2	600-71692-030	4/16/13	N-Nitrosodimethylamine	0.0669	U	mg/Kg	UJL	Low average MS/MSD recovery (33%)
CF-3	600-71692-031	4/16/13	2-Butanone (MEK)	0.00238	U	mg/Kg	UJL	Low LCS recovery (52%)
CF-3	600-71692-031	4/16/13	2-Hexanone	0.00127	U	mg/Kg	UJL	Low LCS recovery (55%)
CF-3	600-71692-031	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00184	U	mg/Kg	UJL	Low LCS recovery (54%)
CF-3	600-71692-031	4/16/13	Bromomethane	0.00104	U	mg/Kg	X8	none
CF-3	600-71692-031	4/16/13	1,2-Dichlorobenzene	0.0378	U	mg/Kg	UJL	Low average MS/MSD recovery (53%)
CF-3	600-71692-031	4/16/13	1,3-Dichlorobenzene	0.0193	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
CF-3	600-71692-031	4/16/13	1,4-Dichlorobenzene	0.0282	U	mg/Kg	UJL	Low average MS/MSD recovery (48%)
CF-3	600-71692-031	4/16/13	2,4-Dinitrophenol	0.0591	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-3	600-71692-031	4/16/13	2-Chlorophenol	0.0247	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-3	600-71692-031	4/16/13	2-Methylnaphthalene	0.0343	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
CF-3	600-71692-031	4/16/13	2-Nitroaniline	0.0612	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
CF-3	600-71692-031	4/16/13	2-Nitrophenol	0.0487	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-3	600-71692-031	4/16/13	3,3'-Dichlorobenzidine	0.127	U	mg/Kg	R	Low LCS recovery (59%); Analyte not recovered in MS or MSD
CF-3	600-71692-031	4/16/13	3-Nitroaniline	0.0895	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-3	600-71692-031	4/16/13	4-Nitroaniline	0.14	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-3	600-71692-031	4/16/13	Benzidine	0.113	U	mg/Kg	R	Low LCS recovery (40%); Analyte not recovered in MS or MSD
CF-3	600-71692-031	4/16/13	Benzyl alcohol	0.073	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-3	600-71692-031	4/16/13	bis (2-Chloroisopropyl) ether	0.111	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-3	600-71692-031	4/16/13	Bis(2-chloroethyl)ether	0.0207	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-3	600-71692-031	4/16/13	Hexachlorocyclopentadiene	0.0577	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-3	600-71692-031	4/16/13	Hexachloroethane	0.0289	U	mg/Kg	UJL	Low average MS/MSD recovery (44%)
CF-3	600-71692-031	4/16/13	Naphthalene	0.0169	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
CF-3	600-71692-031	4/16/13	Nitrobenzene	0.0371	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-3	600-71692-031	4/16/13	N-Nitrosodimethylamine	0.0525	U	mg/Kg	UJL	Low average MS/MSD recovery (33%)
CF-4	600-71692-032	4/16/13	Mercury	0.0348	J b	mg/Kg	U	Laboratory blank contamination (0.006133 J mg/kg)
CF-4	600-71692-032	4/16/13	2-Butanone (MEK)	0.00256	U	mg/Kg	UJL	Low LCS recovery (52%)
CF-4	600-71692-032	4/16/13	2-Hexanone	0.00136	U	mg/Kg	UJL	Low LCS recovery (55%)
CF-4	600-71692-032	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00198	U	mg/Kg	UJL	Low LCS recovery (54%)
CF-4	600-71692-032	4/16/13	Bromomethane	0.00112	U	mg/Kg	X8	none
CF-4	600-71692-032	4/16/13	1,2-Dichlorobenzene	0.0406	U	mg/Kg	UJL	Low average MS/MSD recovery (53%)
CF-4	600-71692-032	4/16/13	1,3-Dichlorobenzene	0.0207	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
CF-4	600-71692-032	4/16/13	1,4-Dichlorobenzene	0.0303	U	mg/Kg	UJL	Low average MS/MSD recovery (48%)
CF-4	600-71692-032	4/16/13	2,4-Dinitrophenol	0.0635	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-4	600-71692-032	4/16/13	2-Chlorophenol	0.0265	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-4	600-71692-032	4/16/13	2-Methylnaphthalene	0.0369	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
CF-4	600-71692-032	4/16/13	2-Nitroaniline	0.0658	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
CF-4	600-71692-032	4/16/13	2-Nitrophenol	0.0523	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-4	600-71692-032	4/16/13	3,3'-Dichlorobenzidine	0.137	U	mg/Kg	R	Low LCS recovery (59%); Analyte not recovered in MS or MSD
CF-4	600-71692-032	4/16/13	3-Nitroaniline	0.0962	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-4	600-71692-032	4/16/13	4-Nitroaniline	0.15	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-4	600-71692-032	4/16/13	Benzidine	0.121	U	mg/Kg	R	Low LCS recovery (40%); Analyte not recovered in MS or MSD
CF-4	600-71692-032	4/16/13	Benzyl alcohol	0.0784	U	mg/Kg	UJL	Low average MS/MSD recovery (58%)
CF-4	600-71692-032	4/16/13	bis (2-Chloroisopropyl) ether	0.119	U	mg/Kg	UJL	Low average MS/MSD recovery (57%)
CF-4	600-71692-032	4/16/13	Bis(2-chloroethyl)ether	0.0222	U	mg/Kg	UJL	Low average MS/MSD recovery (45%)
CF-4	600-71692-032	4/16/13	Hexachlorocyclopentadiene	0.062	U	mg/Kg	R	Analyte not recovered in MS or MSD
CF-4	600-71692-032	4/16/13	Hexachloroethane	0.0311	U	mg/Kg	UJL	Low average MS/MSD recovery (44%)
CF-4	600-71692-032	4/16/13	Naphthalene	0.0182	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-4	600-71692-032	4/16/13	Nitrobenzene	0.0398	U	mg/Kg	UJL	Low average MS/MSD recovery (54%)
CF-4	600-71692-032	4/16/13	N-Nitrosodimethylamine	0.0564	U	mg/Kg	UJL	Low average MS/MSD recovery (33%)
Cistern	600-71692-033	4/16/13	Chlordane (technical)	0.0018	U	mg/Kg	X8	none
Cistern	600-71692-033	4/16/13	2-Butanone (MEK)	0.00228	U	mg/Kg	UJL	Low LCS recovery (52%)
Cistern	600-71692-033	4/16/13	2-Hexanone	0.00121	U	mg/Kg	UJL	Low LCS recovery (55%)
Cistern	600-71692-033	4/16/13	4-Methyl-2-pentanone (MIBK)	0.00177	U	mg/Kg	UJL	Low LCS recovery (54%)
Cistern	600-71692-033	4/16/13	Bromomethane	0.000997	U	mg/Kg	X8	none
TP-1 1'	600-71692-015	4/15/13	Bromomethane	0.00102	U	mg/Kg	X8	none
TP-1 1'	600-71692-015	4/15/13	Vinyl acetate	0.00114	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-1 1'	600-71692-015	4/15/13	2,4-Dinitrophenol	0.0579	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-1 1'	600-71692-015	4/15/13	Benzidine	0.111	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-1 1'	600-71692-015	4/15/13	Benzo[g,h,i]perylene	0.0621	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-1 1'	600-71692-015	4/15/13	Hexachlorocyclopentadiene	0.0565	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-1 1'	600-71692-015	4/15/13	Hexachloroethane	0.0283	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-1 1'	600-71692-015	4/15/13	Indeno[1,2,3-cd]pyrene	0.0429	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-1 2'	600-71692-016	4/15/13	Bromomethane	0.00104	U	mg/Kg	X8	none
TP-1 2'	600-71692-016	4/15/13	Vinyl acetate	0.00117	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-1 2'	600-71692-016	4/15/13	2,4-Dinitrophenol	0.0592	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-1 2'	600-71692-016	4/15/13	Benzidine	0.113	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-1 2'	600-71692-016	4/15/13	Benzo[g,h,i]perylene	0.0636	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-1 2'	600-71692-016	4/15/13	Hexachlorocyclopentadiene	0.0578	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-1 2'	600-71692-016	4/15/13	Hexachloroethane	0.029	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-1 2'	600-71692-016	4/15/13	Indeno[1,2,3-cd]pyrene	0.0439	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-3 0.5'	600-71692-020	4/15/13	Lead	43.4		mg/Kg	JL	Low MSD recovery (68%)
TP-3 1.5'	600-71692-019	4/15/13	Lead	12.6		mg/Kg	JL	Low MSD recovery (68%)
TP-4 0.5'	600-71692-021	4/15/13	Lead	33.4		mg/Kg	JL	Low MSD recovery (68%)
TP-5 1'	600-71692-017	4/15/13	Bromomethane	0.00114	U	mg/Kg	X8	none
TP-5 1'	600-71692-017	4/15/13	Vinyl acetate	0.00127	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-5 1'	600-71692-017	4/15/13	2,4-Dinitrophenol	0.0646	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-5 1'	600-71692-017	4/15/13	Benzidine	0.123	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-5 1'	600-71692-017	4/15/13	Benzo[g,h,i]perylene	0.0694	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-5 1'	600-71692-017	4/15/13	Hexachlorocyclopentadiene	0.0631	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-5 1'	600-71692-017	4/15/13	Hexachloroethane	0.0316	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-5 1'	600-71692-017	4/15/13	Indeno[1,2,3-cd]pyrene	0.0479	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-5 3'	600-71692-014	4/15/13	Bromomethane	0.00122	U	mg/Kg	X8	none
TP-5 3'	600-71692-014	4/15/13	Vinyl acetate	0.00136	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-5 3'	600-71692-014	4/15/13	2,4-Dinitrophenol	0.0346	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-5 3'	600-71692-014	4/15/13	Benzidine	0.0661	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-5 3'	600-71692-014	4/15/13	Benzo[g,h,i]perylene	0.0371	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-5 3'	600-71692-014	4/15/13	Hexachlorocyclopentadiene	0.0338	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-5 3'	600-71692-014	4/15/13	Hexachloroethane	0.0169	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-5 3'	600-71692-014	4/15/13	Indeno[1,2,3-cd]pyrene	0.0256	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 1'	600-71692-010	4/15/13	Lead	79.1		mg/Kg	JL	Low MSD recovery (68%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-6 2.5'	600-71692-011	4/15/13	As	22.6		mg/Kg	J	Poor MD precision (33 RPD)
TP-6 2.5'	600-71692-011	4/15/13	Pb	75.1		mg/Kg	J	Poor MD precision (50 RPD)
TP-6 2.5'	600-71692-011	4/15/13	Bromomethane	0.000978	U	mg/Kg	X8	none
TP-6 2.5'	600-71692-011	4/15/13	Vinyl acetate	0.0011	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-6 2.5'	600-71692-011	4/15/13	2,4-Dinitrophenol	0.0556	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 2.5'	600-71692-011	4/15/13	Benzidine	0.106	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-6 2.5'	600-71692-011	4/15/13	Benzo[g,h,i]perylene	0.0597	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-6 2.5'	600-71692-011	4/15/13	Hexachlorocyclopentadiene	0.0543	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-6 2.5'	600-71692-011	4/15/13	Hexachloroethane	0.0272	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-6 2.5'	600-71692-011	4/15/13	Indeno[1,2,3-cd]pyrene	0.0412	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 3.5	600-71692-012	4/15/13	Bromomethane	0.00114	U	mg/Kg	X8	none
TP-6 3.5	600-71692-012	4/15/13	Vinyl acetate	0.00128	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-6 3.5	600-71692-012	4/15/13	2,4-Dinitrophenol	0.0325	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 3.5	600-71692-012	4/15/13	Benzidine	0.0621	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-6 3.5	600-71692-012	4/15/13	Benzo[g,h,i]perylene	0.0349	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-6 3.5	600-71692-012	4/15/13	Hexachlorocyclopentadiene	0.0317	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-6 3.5	600-71692-012	4/15/13	Hexachloroethane	0.0159	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-6 3.5	600-71692-012	4/15/13	Indeno[1,2,3-cd]pyrene	0.0241	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Bromomethane	0.00124	U	mg/Kg	X8	none
TP-6 3.5' Dup	600-71692-013	4/15/13	Vinyl acetate	0.00139	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-6 3.5' Dup	600-71692-013	4/15/13	2,4-Dinitrophenol	0.0353	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Benzidine	0.0674	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Benzo[g,h,i]perylene	0.0379	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Hexachlorocyclopentadiene	0.0344	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Hexachloroethane	0.0173	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-6 3.5' Dup	600-71692-013	4/15/13	Indeno[1,2,3-cd]pyrene	0.0261	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-7 1'	600-71692-007	4/15/13	Cadmium	0.411		mg/Kg	JL	Low MS recovery (66%); Low PDS recovery (69%)
TP-7 2'	600-71692-008	4/15/13	Bromomethane	0.00108	U	mg/Kg	X8	none
TP-7 2'	600-71692-008	4/15/13	Vinyl acetate	0.00121	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-7 2'	600-71692-008	4/15/13	2,4-Dinitrophenol	0.0613	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-7 2'	600-71692-008	4/15/13	Benzidine	0.117	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-7 2'	600-71692-008	4/15/13	Benzo[g,h,i]perylene	0.0659	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-7 2'	600-71692-008	4/15/13	Hexachlorocyclopentadiene	0.0599	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-7 2'	600-71692-008	4/15/13	Hexachloroethane	0.03	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-7 2'	600-71692-008	4/15/13	Indeno[1,2,3-cd]pyrene	0.0455	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-7 3'	600-71692-009	4/15/13	Bromomethane	0.00121	U	mg/Kg	X8	none
TP-7 3'	600-71692-009	4/15/13	Vinyl acetate	0.00136	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-7 3'	600-71692-009	4/15/13	2,4-Dinitrophenol	0.00688	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-7 3'	600-71692-009	4/15/13	Benzidine	0.0131	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-7 3'	600-71692-009	4/15/13	Benzo[g,h,i]perylene	0.00739	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-7 3'	600-71692-009	4/15/13	Hexachlorocyclopentadiene	0.00672	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-7 3'	600-71692-009	4/15/13	Hexachloroethane	0.00337	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-7 3'	600-71692-009	4/15/13	Indeno[1,2,3-cd]pyrene	0.0051	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-8 1'	600-71692-003	4/15/13	Lead	51.1		mg/Kg	JL	Low MSD recovery (68%)
TP-8 3'	600-71692-004	4/15/13	2-Butanone (MEK)	0.00259	U	mg/Kg	UJL	Low LCS recovery (52%)
TP-8 3'	600-71692-004	4/15/13	2-Hexanone	0.00138	U	mg/Kg	UJL	Low LCS recovery (55%)
TP-8 3'	600-71692-004	4/15/13	4-Methyl-2-pentanone (MIBK)	0.002	U	mg/Kg	UJL	Low LCS recovery (54%)
TP-8 3'	600-71692-004	4/15/13	Bromomethane	0.00113	U	mg/Kg	X8	none
TP-8 3'	600-71692-004	4/15/13	Vinyl acetate	0.00127	U	mg/Kg	UJL	Low average MS/MSD recovery (36%)
TP-8 3'	600-71692-004	4/15/13	2,4-Dinitrophenol	0.00642	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-8 3'	600-71692-004	4/15/13	Benzidine	0.0123	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-8 3'	600-71692-004	4/15/13	Benzo[g,h,i]perylene	0.0069	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-8 3'	600-71692-004	4/15/13	Hexachlorocyclopentadiene	0.00627	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-8 3'	600-71692-004	4/15/13	Hexachloroethane	0.00314	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-8 3'	600-71692-004	4/15/13	Indeno[1,2,3-cd]pyrene	0.00476	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-8 5'	600-71692-005	4/15/13	Bromomethane	0.0011	U	mg/Kg	X8	none
TP-8 5'	600-71692-005	4/15/13	Vinyl acetate	0.00123	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-8 5'	600-71692-005	4/15/13	2,4-Dinitrophenol	0.00623	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-8 5'	600-71692-005	4/15/13	Benzidine	0.0119	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-8 5'	600-71692-005	4/15/13	Benzo[g,h,i]perylene	0.00931	J	mg/Kg	J	Low average MS/MSD recovery (50%); Result is between SDL and MQL
TP-8 5'	600-71692-005	4/15/13	Hexachlorocyclopentadiene	0.00609	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-8 5'	600-71692-005	4/15/13	Hexachloroethane	0.00305	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-8 5'	600-71692-005	4/15/13	Indeno[1,2,3-cd]pyrene	0.00863	J	mg/Kg	J	Low average MS/MSD recovery (59%); Result is between SDL and MQL
TP-9 1'	600-71692-001	4/15/13	Bromomethane	0.000912	U	mg/Kg	X8	none
TP-9 1'	600-71692-001	4/15/13	Vinyl acetate	0.00102	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-9 1'	600-71692-001	4/15/13	2,4-Dinitrophenol	0.0518	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-9 1'	600-71692-001	4/15/13	Benzidine	0.099	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-9 1'	600-71692-001	4/15/13	Benzo[g,h,i]perylene	0.0556	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-9 1'	600-71692-001	4/15/13	Hexachlorocyclopentadiene	0.0506	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-9 1'	600-71692-001	4/15/13	Hexachloroethane	0.0253	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-9 1'	600-71692-001	4/15/13	Indeno[1,2,3-cd]pyrene	0.0384	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-9 5'	600-71692-002	4/15/13	Pb	331		mg/Kg	J	Poor field precision (80 RPD); Use higher value (from the original sample)
TP-9 5'	600-71692-002	4/15/13	Bromomethane	0.000943	U	mg/Kg	X8	none
TP-9 5'	600-71692-002	4/15/13	Vinyl acetate	0.00106	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-9 5'	600-71692-002	4/15/13	2,4-Dinitrophenol	0.00536	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-9 5'	600-71692-002	4/15/13	Benzidine	0.0102	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-9 5'	600-71692-002	4/15/13	Benzo[g,h,i]perylene	0.00576	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-9 5'	600-71692-002	4/15/13	Hexachlorocyclopentadiene	0.00524	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-9 5'	600-71692-002	4/15/13	Hexachloroethane	0.00262	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-9 5'	600-71692-002	4/15/13	Indeno[1,2,3-cd]pyrene	0.00398	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-9 5' Dup	600-71692-006	4/15/13	Pb	142		mg/Kg	J	Poor field precision (80 RPD); Use higher value (from the original sample)
TP-9 5' Dup	600-71692-006	4/15/13	Bromomethane	0.000934	U	mg/Kg	X8	none
TP-9 5' Dup	600-71692-006	4/15/13	Vinyl acetate	0.00105	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-9 5' Dup	600-71692-006	4/15/13	2,4-Dinitrophenol	0.0053	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-9 5' Dup	600-71692-006	4/15/13	Benzidine	0.0101	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-9 5' Dup	600-71692-006	4/15/13	Benzo[g,h,i]perylene	0.00569	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-9 5' Dup	600-71692-006	4/15/13	Hexachlorocyclopentadiene	0.00518	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-9 5' Dup	600-71692-006	4/15/13	Hexachloroethane	0.00259	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-9 5' Dup	600-71692-006	4/15/13	Indeno[1,2,3-cd]pyrene	0.00393	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-10 1'	600-71692-023	4/15/13	Bromomethane	0.00109	U	mg/Kg	X8	none
TP-10 1'	600-71692-023	4/15/13	Vinyl acetate	0.00122	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-10 1'	600-71692-023	4/15/13	2,4-Dinitrophenol	0.0619	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-10 1'	600-71692-023	4/15/13	Benzidine	0.118	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-10 1'	600-71692-023	4/15/13	Benzo[g,h,i]perylene	0.0665	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-10 1'	600-71692-023	4/15/13	Hexachlorocyclopentadiene	0.0605	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-10 1'	600-71692-023	4/15/13	Hexachloroethane	0.0303	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-10 1'	600-71692-023	4/15/13	Indeno[1,2,3-cd]pyrene	0.0459	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-11 1'	600-71692-024	4/15/13	Bromomethane	0.00113	U	mg/Kg	X8	none

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-11 1'	600-71692-024	4/15/13	Vinyl acetate	0.00126	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-11 1'	600-71692-024	4/15/13	2,4-Dinitrophenol	0.032	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-11 1'	600-71692-024	4/15/13	Benzidine	0.0612	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-11 1'	600-71692-024	4/15/13	Benzo[g,h,i]perylene	0.0344	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-11 1'	600-71692-024	4/15/13	Hexachlorocyclopentadiene	0.0313	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-11 1'	600-71692-024	4/15/13	Hexachloroethane	0.0157	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-11 1'	600-71692-024	4/15/13	Indeno[1,2,3-cd]pyrene	0.0237	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-11 1' Dup	600-71692-025	4/15/13	Bromomethane	0.0011	U	mg/Kg	X8	none
TP-11 1' Dup	600-71692-025	4/15/13	Vinyl acetate	0.00123	U	mg/Kg	UJL	Low average MS/MSD recovery (24%)
TP-11 1' Dup	600-71692-025	4/15/13	2,4-Dinitrophenol	0.0312	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-11 1' Dup	600-71692-025	4/15/13	Benzidine	0.0596	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-11 1' Dup	600-71692-025	4/15/13	Benzo[g,h,i]perylene	0.0335	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-11 1' Dup	600-71692-025	4/15/13	Hexachlorocyclopentadiene	0.0305	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-11 1' Dup	600-71692-025	4/15/13	Hexachloroethane	0.0153	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-11 1' Dup	600-71692-025	4/15/13	Indeno[1,2,3-cd]pyrene	0.0231	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-12 1'	600-71692-026	4/15/13	2-Butanone (MEK)	0.00229	U	mg/Kg	UJL	Low LCS recovery (52%)
TP-12 1'	600-71692-026	4/15/13	2-Hexanone	0.00122	U	mg/Kg	UJL	Low LCS recovery (55%)
TP-12 1'	600-71692-026	4/15/13	4-Methyl-2-pentanone (MIBK)	0.00177	U	mg/Kg	UJL	Low LCS recovery (54%)
TP-12 1'	600-71692-026	4/15/13	Bromomethane	0.000999	U	mg/Kg	X8	none
TP-12 1'	600-71692-026	4/15/13	Vinyl acetate	0.00112	U	mg/Kg	UJL	Low average MS/MSD recovery (36%)
TP-12 1'	600-71692-026	4/15/13	2,4-Dinitrophenol	0.0568	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)
TP-12 1'	600-71692-026	4/15/13	Benzidine	0.109	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-12 1'	600-71692-026	4/15/13	Benzo[g,h,i]perylene	0.0668	J	mg/Kg	J	Low average MS/MSD recovery (50%); Result is between SDL and MQL
TP-12 1'	600-71692-026	4/15/13	Hexachlorocyclopentadiene	0.0555	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-12 1'	600-71692-026	4/15/13	Hexachloroethane	0.0278	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-12 1'	600-71692-026	4/15/13	Indeno[1,2,3-cd]pyrene	0.0659	J	mg/Kg	J	Low average MS/MSD recovery (59%); Result is between SDL and MQL
TP-13 1'	600-71692-027	4/15/13	2-Butanone (MEK)	0.0021	U	mg/Kg	UJL	Low LCS recovery (52%)
TP-13 1'	600-71692-027	4/15/13	2-Hexanone	0.00112	U	mg/Kg	UJL	Low LCS recovery (55%)
TP-13 1'	600-71692-027	4/15/13	4-Methyl-2-pentanone (MIBK)	0.00163	U	mg/Kg	UJL	Low LCS recovery (54%)
TP-13 1'	600-71692-027	4/15/13	Bromomethane	0.000919	U	mg/Kg	X8	none
TP-13 1'	600-71692-027	4/15/13	Vinyl acetate	0.00103	U	mg/Kg	UJL	Low average MS/MSD recovery (36%)
TP-13 1'	600-71692-027	4/15/13	2,4-Dinitrophenol	0.0522	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)

Lab ID	Field ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
TP-13 1'	600-71692-027	4/15/13	Benzidine	0.0998	U	mg/Kg	UJL	Low LCS recovery (34%); Low MSD recovery (59%)
TP-13 1'	600-71692-027	4/15/13	Benzo[g,h,i]perylene	0.0561	U	mg/Kg	UJL	Low average MS/MSD recovery (50%)
TP-13 1'	600-71692-027	4/15/13	Hexachlorocyclopentadiene	0.051	U	mg/Kg	UJL	Low average MS/MSD recovery (26%)
TP-13 1'	600-71692-027	4/15/13	Hexachloroethane	0.0256	U	mg/Kg	UJL	Low average MS/MSD recovery (55%)
TP-13 1'	600-71692-027	4/15/13	Indeno[1,2,3-cd]pyrene	0.0387	U	mg/Kg	UJL	Low average MS/MSD recovery (59%)

Note: In addition to the above results, all detects between the SDL and MQL (i.e., results with a laboratory J-flag) should be considered estimated since the reported concentration is below the calibration range.

U – Potentially contaminated; The analyte was not detected >5x (10x for common contaminants) the level in an associated blank.
UJ – Estimated data; The analyte was not detected above the reported Sample Detection Limit (SDL) however the SDL is approximate due to exceedance of one or more QC requirements.
J – Estimated data; The reported sample concentration is approximate due to exceedance of one or more QC requirements.
NJ – Tentatively identified, estimated data; The analysis indicates the presence of the analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R – Rejected data; Serious QC deficiencies make it impossible to verify the absence or presence of this analyte.
X8 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ offers accreditation for this analyte in this matrix by this method, but the laboratory is not accredited for this analyte in this matrix by this method. The analyte result is validated and reported as part of a suite of analytes for the method.

H – Bias in sample result is likely to be high
L – Bias in sample result is likely to be low

NOTE: For multiple deficiencies, the reviewer applied the most severe flag. (R>U>J>JL/JH and R>UJ>UJL)

TABLE 3
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
SOIL SAMPLING (TP, CF AND CISTERN) – APRIL 2013

LCS, MS/MSD, AND PDS EXCEEDANCES
METALS, VOC, SVOC

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
6010B	104189	Barium	P	TP-8 3'	167 b	69.4	48	93	71	72	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
6010B	104189	Lead	P	TP-6 2.5'	75.1	57.2	185	208	197	NP	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
6010B	104278	Cadmium	P	TP-7 1'	0.411	28.2	66	78	72	69	The MS and PDS recoveries are below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (TP samples with a similar metals concentration) as estimated with a low bias (JL or UJL).
6010B	104278	Lead	P	TP-7 1'	1010	56.4	-336	10	-163	NC	No qualifiers applied. The MS/MSD recovery check is waived due to insufficient spike amount.
6010B	104278	Lead	P	TP-3 0.5'	43.4	65.6	70	68	69	NP	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (TP samples with a similar metals concentration) as estimated with a low bias (JL or UJL).
8260B	104298	2-Butanone (MEK)	P	TP-9 1'	0.00209 U	0.11	59	67	63	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8260B	104298	2-Hexanone	P	TP-9 1'	0.00111 U	0.11	54	71	63	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8260B	104298	4-Methyl-2-pentanone (MIBK)	P	TP-9 1'	0.00162 U	0.11	59	75	67	NA	No qualifiers applied. The average MS/MSD recovery is within control.

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8260B	104298	Tetrachloroethene	P	TP-9 1'	0.000780 U	0.055	143	173	158	NA	The average MS/MSD recovery is above the limit, which indicates a potential high bias for sample detects. This analyte was not detected in any of the samples and thus there is no effect on data quality.
8260B	104298	Vinyl acetate	P	TP-9 1'	0.00102 U	0.055	27	21	24	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8260B	104359	2-Butanone (MEK)	52	TP-8 3'	0.00259 U	0.141	P	P	P	NA	The LCS recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in the samples prepared in this batch as estimated with a low bias (JL or UJL).
8260B	104359	2-Hexanone	55	TP-8 3'	0.00138 U	0.141	P	P	P	NA	The LCS recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in the samples prepared in this batch as estimated with a low bias (JL or UJL).
8260B	104359	4-Methyl-2-pentanone (MIBK)	54	TP-8 3'	0.00200 U	0.141	P	P	P	NA	The LCS recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in the samples prepared in this batch as estimated with a low bias (JL or UJL).
8260B	104359	Vinyl acetate	P	TP-8 3'	0.00127 U	0.0703	37	34	36	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8270C LL	104245	1,4-Dichlorobenzene	P	TP-8 3'	0.00306 U	0.468	59	74	67	NA	No qualifiers applied. The average MS/MSD recovery is within control.

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104245	2,4-Dinitrophenol	P	TP-8 3'	0.00642 U	0.468	59	59	59	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8270C LL	104245	2-Nitrophenol	P	TP-8 3'	0.00529 U	0.468	56	69	63	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8270C LL	104245	3-Nitroaniline	152	TP-8 3'	0.00973 U	0.468	181	189	185	NA	The LCS and average MS/MSD recoveries are above the limit, which indicates a potential high bias for sample detects. This analyte was not detected in any of the samples and thus there is no effect on data quality.
8270C LL	104245	Benzidine	34	TP-8 3'	0.0123 U	9.36	61	59	60	NA	The LCS and MSD recoveries are below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in the samples prepared in this batch as estimated with a low bias (JL or UJL).
8270C LL	104245	Benzo[g,h,i]perylene	P	TP-8 3'	0.00690 U	0.468	51	48	50	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8270C LL	104245	Bis(2-chloroethyl)ether	P	TP-8 3'	0.00224 U	0.468	54	68	61	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8270C LL	104245	Dibenz(a,h)anthracene	P	TP-8 3'	0.00494 U	0.468	63	58	61	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8270C LL	104245	Hexachlorocyclo-pentadiene	P	TP-8 3'	0.00627 U	0.468	26	26	26	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104245	Hexachloroethane	P	TP-8 3'	0.00314 U	0.468	50	59	55	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8270C LL	104245	Indeno[1,2,3-cd]pyrene	P	TP-8 3'	0.00476 U	0.468	61	57	59	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all TP samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	1,2-Dichlorobenzene	P	CF-1	0.0366 U	0.405	61	45	53	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	1,3-Dichlorobenzene	P	CF-1	0.0187 U	0.405	57	42	50	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	1,4-Dichlorobenzene	P	CF-1	0.0273 U	0.405	56	40	48	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	2,4-Dinitrophenol	P	CF-1	0.0573 U	0.405	0	0	0	NA	The analyte was not recovered in the MS or MSD, which indicates a potential low bias or false negative for sample results. The reviewer qualified the results, which are all non-detects, for this analyte in similar samples prepared in this batch (all CF samples) as rejected (R).

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104246	2-Chlorophenol	P	CF-1	0.0239 U	0.405	60	53	57	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	2-Methylnaphthalene	P	CF-1	0.0332 U	0.405	54	55	55	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	2-Nitroaniline	P	CF-1	0.0593 U	0.405	58	60	59	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	2-Nitrophenol	P	CF-1	0.0472 U	0.405	58	58	58	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	3,3'-Dichlorobenzidine	59	CF-1	0.123 U	0.405	0	0	0	NA	The LCS recovery is low and the analyte was not recovered in the MS or MSD, which indicates a potential low bias or false negative for sample results. The reviewer qualified the results, which are all non-detects, for this analyte in similar samples prepared in this batch (all CF samples) as rejected (R).

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104246	3-Nitroaniline	P	CF-1	0.0868 U	0.405	0	0	0	NA	The analyte was not recovered in the MS or MSD, which indicates a potential low bias or false negative for sample results. The reviewer qualified the results, which are all non-detects, for this analyte in similar samples prepared in this batch (all CF samples) as rejected (R).
8270C LL	104246	4-Nitroaniline	P	CF-1	0.135 U	0.405	33	57	45	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	Benzidine	40	CF-1	0.109 U	8.1	0	0	0	NA	The LCS recovery is low and the analyte was not recovered in the MS or MSD, which indicates a potential low bias or false negative for sample results. The reviewer qualified the results, which are all non-detects, for this analyte in similar samples prepared in this batch (all CF samples) as rejected (R).
8270C LL	104246	Benzyl alcohol	P	CF-1	0.0707 U	0.405	60	55	58	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	bis (2-Chloroisopropyl) ether	P	CF-1	0.107 U	0.405	63	50	57	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104246	Bis(2-chloroethyl)ether	P	CF-1	0.02 U	0.405	49	41	45	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	Hexachlorocyclo-pentadiene	P	CF-1	0.0559 U	0.405	0	0	0	NA	The analyte was not recovered in the MS or MSD, which indicates a potential low bias or false negative for sample results. The reviewer qualified the results, which are all non-detects, for this analyte in similar samples prepared in this batch (all CF samples) as rejected (R).
8270C LL	104246	Hexachloroethane	P	CF-1	0.028 U	0.405	51	37	44	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	Naphthalene	P	CF-1	0.0164 U	0.405	54	53	54	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	Nitrobenzene	P	CF-1	0.0359 U	0.405	62	45	54	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).
8270C LL	104246	N-Nitroso-dimethylamine	P	CF-1	0.0508 U	0.405	40	25	33	NA	The average MS/MSD recovery is below the limit, which indicates a potential low bias for sample results. The reviewer qualified the results for this analyte in similar samples prepared in this batch (all CF samples) as estimated with a low bias (JL or UJL).

Method	QC Batch	Analyte	LCS %Rec	MS/MSD ID	Parent Amount (mg/kg)	Spike Amount (mg/kg)	MS %Rec	MSD %Rec	Average MS/MSD %Rec	PDS %Rec	Data Qualification
8270C LL	104246	N-Nitrosodi-n-propylamine	P	CF-1	0.0269 U	0.405	67	58	63	NA	No qualifiers applied. The average MS/MSD recovery is within control.
8270C LL	104246	Phenol	P	CF-1	0.0515 U	0.405	55	66	61	NA	No qualifiers applied. The average MS/MSD recovery is within control.

NA – Not applicable. PDS are only used for 6010B analyses.

NC – Not calculated. The parent amount is more than 4x the spike amount and thus the PDS check is not applicable.

NP – Not performed. The batch contains multiple MS/MSD and the laboratory selected another MS/MSD for performance of the PDS and SD.

P – The recovery is within the criteria.

Notes:

1. Recoveries highlighted in red are below the TRRP-recommended data quality criteria (70-130% for inorganics and 60-140% for organics) and recoveries highlighted in blue are above the criteria.
2. If the spike amount is less than the amount in the unspiked parent sample, the data are considered inconclusive and the MS/MSD recovery check is waived.

TABLE 4

EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION

SOIL SAMPLING (TP, CF AND CISTERN) – APRIL 2013

FIELD DUPLICATE RESULTS

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
CF-1 Dup	CF-1	4/16/13	6010B	Arsenic	19.9		mg/Kg	14.3		mg/Kg	33	NA	3.59	y
CF-1 Dup	CF-1	4/16/13	6010B	Barium	63.8	b	mg/Kg	72.2	b	mg/Kg	12	NA	3.59	y
CF-1 Dup	CF-1	4/16/13	6010B	Cadmium	0.849		mg/Kg	1.13		mg/Kg	NA	0.281	0.899	y
CF-1 Dup	CF-1	4/16/13	6010B	Chromium	17.6		mg/Kg	16.6		mg/Kg	5.8	NA	1.79	y
CF-1 Dup	CF-1	4/16/13	6010B	Copper	1470		mg/Kg	2070		mg/Kg	34	NA	17.0	y
CF-1 Dup	CF-1	4/16/13	6010B	Lead	160		mg/Kg	217		mg/Kg	30	NA	1.79	y
CF-1 Dup	CF-1	4/16/13	6010B	Selenium	0.795	J	mg/Kg	0.795	J	mg/Kg	NA	0	7.18	y
CF-1 Dup	CF-1	4/16/13	6010B	Silver	0.142	U	mg/Kg	0.135	U	mg/Kg	NA	0.007	1.43	y
CF-1 Dup	CF-1	4/16/13	6010B	Tin	41.6		mg/Kg	59		mg/Kg	35	NA	3.57	y
CF-1 Dup	CF-1	4/16/13	7471A	Mercury	0.0582	J b	mg/Kg	0.0721		mg/Kg	NA	0.0139	0.183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,1,1-Trichloroethane	0.000903	U	mg/Kg	0.0009	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,1,2,2-Tetrachloroethane	0.00106	U	mg/Kg	0.00106	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,1,2-Trichloroethane	0.000891	U	mg/Kg	0.000888	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,1-Dichloroethane	0.00106	U	mg/Kg	0.00106	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,1-Dichloroethene	0.00149	U	mg/Kg	0.00148	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,2-Dichloroethane	0.0011	U	mg/Kg	0.00109	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	1,2-Dichloroethene, Total	0.00232	U	mg/Kg	0.00231	U	mg/Kg	NA	0.00001	0.0366	y
CF-1 Dup	CF-1	4/16/13	8260B	1,2-Dichloropropane	0.000866	U	mg/Kg	0.000863	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	2-Butanone (MEK)	0.00232	U	mg/Kg	0.00231	U	mg/Kg	NA	0.00001	0.0366	y
CF-1 Dup	CF-1	4/16/13	8260B	2-Hexanone	0.00123	U	mg/Kg	0.00123	U	mg/Kg	NA	0	0.0365	y
CF-1 Dup	CF-1	4/16/13	8260B	4-Methyl-2-pentanone (MIBK)	0.00179	U	mg/Kg	0.00179	U	mg/Kg	NA	0	0.0365	y
CF-1 Dup	CF-1	4/16/13	8260B	Acetone	0.00203	U	mg/Kg	0.00202	U	mg/Kg	NA	0.00001	0.0367	y
CF-1 Dup	CF-1	4/16/13	8260B	Benzene	0.000769	U	mg/Kg	0.000766	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Bromodichloromethane	0.000805	U	mg/Kg	0.000802	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Bromoform	0.00167	U	mg/Kg	0.00167	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Bromomethane	0.00101	U	mg/Kg	0.00101	U	mg/Kg	NA	0	0.0365	y
CF-1 Dup	CF-1	4/16/13	8260B	Carbon disulfide	0.000671	U	mg/Kg	0.000669	U	mg/Kg	NA	2E-06	0.0366	y
CF-1 Dup	CF-1	4/16/13	8260B	Carbon tetrachloride	0.00138	U	mg/Kg	0.00137	U	mg/Kg	NA	0.00001	0.0183	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
CF-1 Dup	CF-1	4/16/13	8260B	Chlorobenzene	0.00117	U	mg/Kg	0.00117	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Chlorobromomethane	0.00217	U	mg/Kg	0.00216	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Chloroethane	0.00171	U	mg/Kg	0.0017	U	mg/Kg	NA	0.00001	0.0366	y
CF-1 Dup	CF-1	4/16/13	8260B	Chloroform	0.000805	U	mg/Kg	0.000802	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Chloromethane	0.00203	U	mg/Kg	0.00202	U	mg/Kg	NA	0.00001	0.0367	y
CF-1 Dup	CF-1	4/16/13	8260B	cis-1,2-Dichloroethene	0.00101	U	mg/Kg	0.00101	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	cis-1,3-Dichloropropene	0.000659	U	mg/Kg	0.000657	U	mg/Kg	NA	2E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Dibromochloromethane	0.00115	U	mg/Kg	0.00114	U	mg/Kg	NA	0.00001	0.0184	y
CF-1 Dup	CF-1	4/16/13	8260B	Ethylbenzene	0.00124	U	mg/Kg	0.00124	U	mg/Kg	NA	0	0.0182	y
CF-1 Dup	CF-1	4/16/13	8260B	Methyl tert-butyl ether	0.00223	U	mg/Kg	0.00223	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Methylene Chloride	0.00273	J	mg/Kg	0.00736	J	mg/Kg	NA	0.00463	0.0366	y
CF-1 Dup	CF-1	4/16/13	8260B	m-Xylene & p-Xylene	0.00185	U	mg/Kg	0.00185	U	mg/Kg	NA	0	0.0365	y
CF-1 Dup	CF-1	4/16/13	8260B	o-Xylene	0.00138	U	mg/Kg	0.00137	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Styrene	0.000866	U	mg/Kg	0.000863	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Tetrachloroethene	0.000866	U	mg/Kg	0.000863	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Toluene	0.00168	U	mg/Kg	0.00168	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	trans-1,2-Dichloroethene	0.00139	U	mg/Kg	0.00139	U	mg/Kg	NA	0	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	trans-1,3-Dichloropropene	0.000708	U	mg/Kg	0.000705	U	mg/Kg	NA	3E-06	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Trichloroethene	0.00171	U	mg/Kg	0.0017	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8260B	Vinyl acetate	0.00113	U	mg/Kg	0.00113	U	mg/Kg	NA	0	0.0182	y
CF-1 Dup	CF-1	4/16/13	8260B	Vinyl chloride	0.0011	U	mg/Kg	0.00109	U	mg/Kg	NA	0.00001	0.0367	y
CF-1 Dup	CF-1	4/16/13	8260B	Xylenes, Total	0.00138	U	mg/Kg	0.00137	U	mg/Kg	NA	0.00001	0.0183	y
CF-1 Dup	CF-1	4/16/13	8270C LL	1,2,4-Trichlorobenzene	0.0256	U	mg/Kg	0.0255	U	mg/Kg	NA	0.0001	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	1,2-Dichlorobenzene	0.0368	U	mg/Kg	0.0366	U	mg/Kg	NA	0.0002	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	1,3-Dichlorobenzene	0.0188	U	mg/Kg	0.0187	U	mg/Kg	NA	1E-04	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	1,4-Dichlorobenzene	0.0274	U	mg/Kg	0.0273	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4,5-Trichlorophenol	0.122	U	mg/Kg	0.121	U	mg/Kg	NA	0.001	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4,6-Trichlorophenol	0.0327	U	mg/Kg	0.0325	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4-Dichlorophenol	0.0472	U	mg/Kg	0.047	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4-Dimethylphenol	0.105	U	mg/Kg	0.104	U	mg/Kg	NA	0.001	0.613	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4-Dinitrophenol	0.0576	U	mg/Kg	0.0573	U	mg/Kg	NA	0.0003	3.66	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,4-Dinitrotoluene	0.044	U	mg/Kg	0.0438	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2,6-Dinitrotoluene	0.036	U	mg/Kg	0.0358	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Chloronaphthalene	0.0148	U	mg/Kg	0.0147	U	mg/Kg	NA	0.0001	0.613	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Chlorophenol	0.024	U	mg/Kg	0.0239	U	mg/Kg	NA	1E-04	0.610	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Methylnaphthalene	0.0334	U	mg/Kg	0.0332	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Methylphenol	0.0394	U	mg/Kg	0.0392	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Nitroaniline	0.0596	U	mg/Kg	0.0593	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	2-Nitrophenol	0.0474	U	mg/Kg	0.0472	U	mg/Kg	NA	0.0002	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	3 & 4 Methylphenol	0.034	U	mg/Kg	0.0339	U	mg/Kg	NA	0.0001	1.22	y
CF-1 Dup	CF-1	4/16/13	8270C LL	3,3'-Dichlorobenzidine	0.124	U	mg/Kg	0.123	U	mg/Kg	NA	0.001	0.609	y
CF-1 Dup	CF-1	4/16/13	8270C LL	3-Nitroaniline	0.0872	U	mg/Kg	0.0868	U	mg/Kg	NA	0.0004	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4,6-Dinitro-2-methylphenol	0.0607	U	mg/Kg	0.0604	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Bromophenyl phenyl ether	0.0346	U	mg/Kg	0.0345	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Chloro-3-methylphenol	0.19	U	mg/Kg	0.189	U	mg/Kg	NA	0.001	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Chloroaniline	0.071	U	mg/Kg	0.0706	U	mg/Kg	NA	0.0004	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Chlorophenyl phenyl ether	0.0219	U	mg/Kg	0.0218	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Nitroaniline	0.136	U	mg/Kg	0.135	U	mg/Kg	NA	0.001	0.608	y
CF-1 Dup	CF-1	4/16/13	8270C LL	4-Nitrophenol	0.0619	U	mg/Kg	0.0616	U	mg/Kg	NA	0.0003	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Acenaphthene	0.0176	U	mg/Kg	0.0175	U	mg/Kg	NA	1E-04	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Acenaphthylene	0.0122	U	mg/Kg	0.0121	U	mg/Kg	NA	0.0001	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Anthracene	0.0156	U	mg/Kg	0.0155	U	mg/Kg	NA	1E-04	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzidine	0.11	U	mg/Kg	0.109	U	mg/Kg	NA	0.001	3.05	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzo[a]anthracene	0.0168	U	mg/Kg	0.0167	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzo[a]pyrene	0.0196	U	mg/Kg	0.0195	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzo[b]fluoranthene	0.021	U	mg/Kg	0.0209	U	mg/Kg	NA	0.0001	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzo[g,h,i]perylene	0.0618	U	mg/Kg	0.0615	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzo[k]fluoranthene	0.0182	U	mg/Kg	0.0181	U	mg/Kg	NA	1E-04	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Benzyl alcohol	0.0711	U	mg/Kg	0.0707	U	mg/Kg	NA	0.0004	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	bis (2-Chloroisopropyl) ether	0.108	U	mg/Kg	0.107	U	mg/Kg	NA	0.001	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Bis(2-chloroethoxy)methane	0.0173	U	mg/Kg	0.0172	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Bis(2-chloroethyl)ether	0.0201	U	mg/Kg	0.02	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Bis(2-ethylhexyl) phthalate	0.0655	U	mg/Kg	0.0652	U	mg/Kg	NA	0.0003	2.44	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Butyl benzyl phthalate	0.0755	U	mg/Kg	0.0751	U	mg/Kg	NA	0.0004	2.44	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Carbazole	0.038	U	mg/Kg	0.0379	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Chrysene	0.0124	U	mg/Kg	0.0124	U	mg/Kg	NA	0	0.609	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Dibenz(a,h)anthracene	0.0443	U	mg/Kg	0.044	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Dibenzofuran	0.0217	U	mg/Kg	0.0216	U	mg/Kg	NA	1E-04	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Diethyl phthalate	0.103	U	mg/Kg	0.102	U	mg/Kg	NA	0.001	2.44	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Dimethyl phthalate	0.0596	U	mg/Kg	0.0593	U	mg/Kg	NA	0.0003	2.44	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
CF-1 Dup	CF-1	4/16/13	8270C LL	Di-n-butyl phthalate	0.0316	U	mg/Kg	0.0314	U	mg/Kg	NA	0.0002	2.44	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Di-n-octyl phthalate	0.0232	U	mg/Kg	0.0231	U	mg/Kg	NA	1E-04	2.44	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Fluoranthene	0.0379	U	mg/Kg	0.0377	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Fluorene	0.0288	U	mg/Kg	0.0286	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Hexachlorobenzene	0.0185	U	mg/Kg	0.0184	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Hexachlorobutadiene	0.0234	U	mg/Kg	0.0233	U	mg/Kg	NA	1E-04	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Hexachlorocyclopentadiene	0.0562	U	mg/Kg	0.0559	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Hexachloroethane	0.0282	U	mg/Kg	0.028	U	mg/Kg	NA	0.0002	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Indeno[1,2,3-cd]pyrene	0.0427	U	mg/Kg	0.0425	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Isophorone	0.0122	U	mg/Kg	0.0121	U	mg/Kg	NA	0.0001	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Naphthalene	0.0165	U	mg/Kg	0.0164	U	mg/Kg	NA	1E-04	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Nitrobenzene	0.0361	U	mg/Kg	0.0359	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	N-Nitrosodimethylamine	0.0511	U	mg/Kg	0.0508	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	N-Nitrosodi-n-propylamine	0.0271	U	mg/Kg	0.0269	U	mg/Kg	NA	0.0002	0.612	y
CF-1 Dup	CF-1	4/16/13	8270C LL	N-Nitrosodiphenylamine	0.023	U	mg/Kg	0.0229	U	mg/Kg	NA	1E-04	0.610	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Pentachlorophenol	0.0488	U	mg/Kg	0.0485	U	mg/Kg	NA	0.0003	6.11	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Phenanthrene	0.0604	U	mg/Kg	0.0601	U	mg/Kg	NA	0.0003	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Phenol	0.0517	U	mg/Kg	0.0515	U	mg/Kg	NA	0.0002	0.611	y
CF-1 Dup	CF-1	4/16/13	8270C LL	Pyrene	0.0223	U	mg/Kg	0.0222	U	mg/Kg	NA	1E-04	0.611	y
CF-1 Dup	CF-1	4/16/13	TX 1005	>C12-C28	4.95	U	mg/Kg	4.93	U	mg/Kg	NA	0.02	36.6	y
CF-1 Dup	CF-1	4/16/13	TX 1005	>C28-C35	4.95	U	mg/Kg	4.93	U	mg/Kg	NA	0.02	36.6	y
CF-1 Dup	CF-1	4/16/13	TX 1005	C6-C12	4.64	U	mg/Kg	4.62	U	mg/Kg	NA	0.02	36.6	y
CF-1 Dup	CF-1	4/16/13	TX 1005	C6-C35	9.13	U	mg/Kg	9.09	U	mg/Kg	NA	0.04	36.6	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Ag	0.17	U	mg/Kg	0.15	U	mg/Kg	NA	0.02	2.14	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	As	12.1		mg/Kg	12.8		mg/Kg	5.6	NA	4.28	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Ba	161	b	mg/Kg	153	b	mg/Kg	5.1	NA	4.28	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Cd	0.485		mg/Kg	0.442		mg/Kg	NA	0.043	1.07	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Cr	18.8		mg/Kg	18.7		mg/Kg	0.5	NA	2.14	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Pb	24		mg/Kg	26.4		mg/Kg	9.5	NA	2.14	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	6010B	Se	0.421	J	mg/Kg	0.442	J	mg/Kg	NA	0.021	8.55	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	7471A	Mercury	0.0112	J	mg/Kg	0.00623	J	mg/Kg	NA	0.00497	0.221	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,1,1-Trichloroethane	0.00111	U	mg/Kg	0.00102	U	mg/Kg	NA	0.00009	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,1,2,2-Tetrachloroethane	0.0013	U	mg/Kg	0.0012	U	mg/Kg	NA	0.0001	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,1,2-Trichloroethane	0.00109	U	mg/Kg	0.00101	U	mg/Kg	NA	0.00008	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,1-Dichloroethane	0.0013	U	mg/Kg	0.0012	U	mg/Kg	NA	0.0001	0.0224	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,1-Dichloroethene	0.00183	U	mg/Kg	0.00168	U	mg/Kg	NA	0.00015	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,2-Dichloroethane	0.00135	U	mg/Kg	0.00124	U	mg/Kg	NA	0.00011	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,2-Dichloroethene, Total	0.00285	U	mg/Kg	0.00262	U	mg/Kg	NA	0.00023	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	1,2-Dichloropropane	0.00106	U	mg/Kg	0.000978	U	mg/Kg	NA	0.000082	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	2-Butanone (MEK)	0.00285	U	mg/Kg	0.00262	U	mg/Kg	NA	0.00023	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	2-Hexanone	0.00151	U	mg/Kg	0.00139	U	mg/Kg	NA	0.00012	0.0449	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	4-Methyl-2-pentanone (MIBK)	0.0022	U	mg/Kg	0.00203	U	mg/Kg	NA	0.00017	0.0449	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Acetone	0.00249	U	mg/Kg	0.00229	U	mg/Kg	NA	0.0002	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Benzene	0.000944	U	mg/Kg	0.000868	U	mg/Kg	NA	0.000076	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Bromodichloromethane	0.000989	U	mg/Kg	0.000909	U	mg/Kg	NA	8E-05	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Bromoform	0.00205	U	mg/Kg	0.00189	U	mg/Kg	NA	0.00016	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Bromomethane	0.00124	U	mg/Kg	0.00114	U	mg/Kg	NA	0.0001	0.0448	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Carbon disulfide	0.000824	U	mg/Kg	0.000758	U	mg/Kg	NA	0.000066	0.0449	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Carbon tetrachloride	0.00169	U	mg/Kg	0.00156	U	mg/Kg	NA	0.00013	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Chlorobenzene	0.00144	U	mg/Kg	0.00132	U	mg/Kg	NA	0.00012	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Chlorobromomethane	0.00267	U	mg/Kg	0.00245	U	mg/Kg	NA	0.00022	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Chloroethane	0.0021	U	mg/Kg	0.00193	U	mg/Kg	NA	0.00017	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Chloroform	0.000989	U	mg/Kg	0.000909	U	mg/Kg	NA	8E-05	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Chloromethane	0.00249	U	mg/Kg	0.00229	U	mg/Kg	NA	0.0002	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	cis-1,2-Dichloroethene	0.00124	U	mg/Kg	0.00114	U	mg/Kg	NA	0.0001	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	cis-1,3-Dichloropropene	0.000809	U	mg/Kg	0.000744	U	mg/Kg	NA	6.5E-05	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Dibromochloromethane	0.00141	U	mg/Kg	0.0013	U	mg/Kg	NA	0.00011	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Ethylbenzene	0.00153	U	mg/Kg	0.00141	U	mg/Kg	NA	0.00012	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Methyl tert-butyl ether	0.00274	U	mg/Kg	0.00252	U	mg/Kg	NA	0.00022	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Methylene Chloride	0.00486	J	mg/Kg	0.00302	U	mg/Kg	NA	0.00184	0.0449	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	m-Xylene & p-Xylene	0.00228	U	mg/Kg	0.00209	U	mg/Kg	NA	0.00019	0.0450	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	o-Xylene	0.00169	U	mg/Kg	0.00156	U	mg/Kg	NA	0.00013	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Styrene	0.00106	U	mg/Kg	0.000978	U	mg/Kg	NA	0.000082	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Tetrachloroethene	0.00106	U *	mg/Kg	0.000978	U *	mg/Kg	NA	0.000082	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Toluene	0.00207	U	mg/Kg	0.0019	U	mg/Kg	NA	0.00017	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	trans-1,2-Dichloroethene	0.00171	U	mg/Kg	0.00157	U	mg/Kg	NA	0.00014	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	trans-1,3-Dichloropropene	0.000869	U	mg/Kg	0.000799	U	mg/Kg	NA	0.00007	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Trichloroethene	0.0021	U	mg/Kg	0.00193	U	mg/Kg	NA	0.00017	0.0225	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Vinyl acetate	0.00139	U	mg/Kg	0.00128	U	mg/Kg	NA	0.00011	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Vinyl chloride	0.00135	U	mg/Kg	0.00124	U	mg/Kg	NA	0.00011	0.0450	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8260B	Xylenes, Total	0.00169	U	mg/Kg	0.00156	U	mg/Kg	NA	0.00013	0.0224	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	1,2,4-Trichlorobenzene	0.0157	U	mg/Kg	0.0145	U	mg/Kg	NA	0.0012	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	1,2-Dichlorobenzene	0.0226	U	mg/Kg	0.0208	U	mg/Kg	NA	0.0018	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	1,3-Dichlorobenzene	0.0115	U	mg/Kg	0.0106	U	mg/Kg	NA	0.0009	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	1,4-Dichlorobenzene	0.0168	U	mg/Kg	0.0155	U	mg/Kg	NA	0.0013	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4,5-Trichlorophenol	0.0748	U	mg/Kg	0.0689	U	mg/Kg	NA	0.0059	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4,6-Trichlorophenol	0.02	U	mg/Kg	0.0184	U	mg/Kg	NA	0.0016	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4-Dichlorophenol	0.0289	U	mg/Kg	0.0266	U	mg/Kg	NA	0.0023	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4-Dimethylphenol	0.0641	U	mg/Kg	0.0591	U	mg/Kg	NA	0.005	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4-Dinitrophenol	0.0353	U	mg/Kg	0.0325	U	mg/Kg	NA	0.0028	2.24	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,4-Dinitrotoluene	0.027	U	mg/Kg	0.0248	U	mg/Kg	NA	0.0022	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2,6-Dinitrotoluene	0.022	U	mg/Kg	0.0203	U	mg/Kg	NA	0.0017	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Chloronaphthalene	0.00904	U	mg/Kg	0.00833	U	mg/Kg	NA	0.00071	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Chlorophenol	0.0147	U	mg/Kg	0.0136	U	mg/Kg	NA	0.0011	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Methylnaphthalene	0.0205	U	mg/Kg	0.0189	U	mg/Kg	NA	0.0016	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Methylphenol	0.0241	U	mg/Kg	0.0222	U	mg/Kg	NA	0.0019	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Nitroaniline	0.0365	U	mg/Kg	0.0337	U	mg/Kg	NA	0.0028	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	2-Nitrophenol	0.0291	U	mg/Kg	0.0268	U	mg/Kg	NA	0.0023	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	3 & 4 Methylphenol	0.0208	U	mg/Kg	0.0192	U	mg/Kg	NA	0.0016	0.745	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	3,3'-Dichlorobenzidine	0.0759	U	mg/Kg	0.0699	U	mg/Kg	NA	0.006	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	3-Nitroaniline	0.0534	U *	mg/Kg	0.0492	U *	mg/Kg	NA	0.0042	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4,6-Dinitro-2-methylphenol	0.0372	U	mg/Kg	0.0343	U	mg/Kg	NA	0.0029	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Bromophenyl phenyl ether	0.0212	U	mg/Kg	0.0195	U	mg/Kg	NA	0.0017	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Chloro-3-methylphenol	0.116	U	mg/Kg	0.107	U	mg/Kg	NA	0.009	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Chloroaniline	0.0435	U	mg/Kg	0.0401	U	mg/Kg	NA	0.0034	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Chlorophenyl phenyl ether	0.0134	U	mg/Kg	0.0124	U	mg/Kg	NA	0.001	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Nitroaniline	0.0833	U	mg/Kg	0.0767	U	mg/Kg	NA	0.0066	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	4-Nitrophenol	0.0379	U	mg/Kg	0.035	U	mg/Kg	NA	0.0029	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Acenaphthene	0.0108	U	mg/Kg	0.00991	U	mg/Kg	NA	0.00089	0.376	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Acenaphthylene	0.00747	U	mg/Kg	0.00688	U	mg/Kg	NA	0.00059	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Anthracene	0.00956	U	mg/Kg	0.00881	U	mg/Kg	NA	0.00075	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzidine	0.0674	U	mg/Kg	0.0621	U	mg/Kg	NA	0.0053	1.87	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzo[a]anthracene	0.0103	U	mg/Kg	0.0095	U	mg/Kg	NA	0.0008	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzo[a]pyrene	0.012	U	mg/Kg	0.0111	U	mg/Kg	NA	0.0009	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzo[b]fluoranthene	0.0128	U	mg/Kg	0.0118	U	mg/Kg	NA	0.001	0.373	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzo[g,h,i]perylene	0.0379	U	mg/Kg	0.0349	U	mg/Kg	NA	0.003	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzo[k]fluoranthene	0.0111	U	mg/Kg	0.0103	U	mg/Kg	NA	0.0008	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Benzyl alcohol	0.0435	U	mg/Kg	0.0401	U	mg/Kg	NA	0.0034	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	bis (2-Chloroisopropyl) ether	0.066	U	mg/Kg	0.0608	U	mg/Kg	NA	0.0052	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Bis(2-chloroethoxy)methane	0.0106	U	mg/Kg	0.00977	U	mg/Kg	NA	0.00083	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Bis(2-chloroethyl)ether	0.0123	U	mg/Kg	0.0114	U	mg/Kg	NA	0.0009	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Bis(2-ethylhexyl) phthalate	0.0401	U	mg/Kg	0.037	U	mg/Kg	NA	0.0031	1.49	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Butyl benzyl phthalate	0.0462	U	mg/Kg	0.0426	U	mg/Kg	NA	0.0036	1.49	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Carbazole	0.0233	U	mg/Kg	0.0215	U	mg/Kg	NA	0.0018	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Chrysene	0.00762	U	mg/Kg	0.00702	U	mg/Kg	NA	0.0006	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Dibenz(a,h)anthracene	0.0271	U	mg/Kg	0.025	U	mg/Kg	NA	0.0021	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Dibenzofuran	0.0133	U	mg/Kg	0.0123	U	mg/Kg	NA	0.001	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Diethyl phthalate	0.063	U	mg/Kg	0.058	U	mg/Kg	NA	0.005	1.50	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Dimethyl phthalate	0.0365	U	mg/Kg	0.0337	U	mg/Kg	NA	0.0028	1.49	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Di-n-butyl phthalate	0.0193	U	mg/Kg	0.0178	U	mg/Kg	NA	0.0015	1.49	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Di-n-octyl phthalate	0.0142	U	mg/Kg	0.0131	U	mg/Kg	NA	0.0011	1.50	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Fluoranthene	0.0232	U	mg/Kg	0.0214	U	mg/Kg	NA	0.0018	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Fluorene	0.0176	U	mg/Kg	0.0162	U	mg/Kg	NA	0.0014	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Hexachlorobenzene	0.0114	U	mg/Kg	0.0105	U	mg/Kg	NA	0.0009	0.376	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Hexachlorobutadiene	0.0143	U	mg/Kg	0.0132	U	mg/Kg	NA	0.0011	0.373	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Hexachlorocyclopentadiene	0.0344	U	mg/Kg	0.0317	U	mg/Kg	NA	0.0027	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Hexachloroethane	0.0173	U	mg/Kg	0.0159	U	mg/Kg	NA	0.0014	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Indeno[1,2,3-cd]pyrene	0.0261	U	mg/Kg	0.0241	U	mg/Kg	NA	0.002	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Isophorone	0.00747	U	mg/Kg	0.00688	U	mg/Kg	NA	0.00059	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Naphthalene	0.0101	U	mg/Kg	0.00929	U	mg/Kg	NA	0.00081	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Nitrobenzene	0.0221	U	mg/Kg	0.0204	U	mg/Kg	NA	0.0017	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	N-Nitrosodimethylamine	0.0313	U	mg/Kg	0.0288	U	mg/Kg	NA	0.0025	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	N-Nitrosodi-n-propylamine	0.0166	U	mg/Kg	0.0153	U	mg/Kg	NA	0.0013	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	N-Nitrosodiphenylamine	0.0141	U	mg/Kg	0.013	U	mg/Kg	NA	0.0011	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Pentachlorophenol	0.0299	U	mg/Kg	0.0275	U	mg/Kg	NA	0.0024	3.74	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Phenanthrene	0.037	U	mg/Kg	0.0341	U	mg/Kg	NA	0.0029	0.374	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Phenol	0.0317	U	mg/Kg	0.0292	U	mg/Kg	NA	0.0025	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	8270C LL	Pyrene	0.0137	U	mg/Kg	0.0126	U	mg/Kg	NA	0.0011	0.375	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	TX 1005	>C12-C28	6.08	U	mg/Kg	5.57	U	mg/Kg	NA	0.51	44.9	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	TX 1005	>C28-C35	6.08	U	mg/Kg	5.57	U	mg/Kg	NA	0.51	44.9	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-6 3.5' Dup	TP-6 3.5	4/15/13	TX 1005	C6-C12	5.69	U	mg/Kg	5.22	U	mg/Kg	NA	0.47	44.9	y
TP-6 3.5' Dup	TP-6 3.5	4/15/13	TX 1005	C6-C35	11.2	U	mg/Kg	10.3	U	mg/Kg	NA	0.9	44.9	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Ag	0.126	U	mg/Kg	0.124	U	mg/Kg	NA	0.002	1.59	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	As	19.7		mg/Kg	19.9		mg/Kg	1.0	NA	3.18	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Ba	92.2	b	mg/Kg	90.9	b	mg/Kg	1.4	NA	3.18	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Cd	0.164	J	mg/Kg	0.193	J	mg/Kg	NA	0.029	0.797	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Cr	15		mg/Kg	15.2		mg/Kg	1.3	NA	1.59	y
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Pb	142		mg/Kg	331		mg/Kg	80	NA	1.59	NO
TP-9 5' Dup	TP-9 5'	4/15/13	6010B	Se	0.499	J	mg/Kg	0.401	J	mg/Kg	NA	0.098	6.37	y
TP-9 5' Dup	TP-9 5'	4/15/13	7471A	Mercury	0.0211	J	mg/Kg	0.02	J	mg/Kg	NA	0.0011	0.169	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,1,1-Trichloroethane	0.000832	U	mg/Kg	0.000841	U	mg/Kg	NA	0.000009	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,1,2,2-Tetrachloroethane	0.000979	U	mg/Kg	0.000989	U	mg/Kg	NA	0.00001	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,1,2-Trichloroethane	0.000821	U	mg/Kg	0.00083	U	mg/Kg	NA	0.000009	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,1-Dichloroethane	0.000979	U	mg/Kg	0.000989	U	mg/Kg	NA	0.00001	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,1-Dichloroethene	0.00137	U	mg/Kg	0.00139	U	mg/Kg	NA	2E-05	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,2-Dichloroethane	0.00101	U	mg/Kg	0.00102	U	mg/Kg	NA	0.00001	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,2-Dichloroethene, Total	0.00214	U	mg/Kg	0.00216	U	mg/Kg	NA	2E-05	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	1,2-Dichloropropane	0.000799	U	mg/Kg	0.000807	U	mg/Kg	NA	8E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	2-Butanone (MEK)	0.00214	U	mg/Kg	0.00216	U	mg/Kg	NA	2E-05	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	2-Hexanone	0.00114	U	mg/Kg	0.00115	U	mg/Kg	NA	0.00001	0.0342	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	4-Methyl-2-pentanone (MIBK)	0.00165	U	mg/Kg	0.00167	U	mg/Kg	NA	2E-05	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Acetone	0.00187	U	mg/Kg	0.00189	U	mg/Kg	NA	2E-05	0.0342	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Benzene	0.000709	U	mg/Kg	0.000716	U	mg/Kg	NA	7E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Bromodichloromethane	0.000742	U	mg/Kg	0.00075	U	mg/Kg	NA	8E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Bromoform	0.00154	U	mg/Kg	0.00156	U	mg/Kg	NA	2E-05	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Bromomethane	0.000934	U	mg/Kg	0.000943	U	mg/Kg	NA	0.000009	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Carbon disulfide	0.000619	U	mg/Kg	0.000625	U	mg/Kg	NA	6E-06	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Carbon tetrachloride	0.00127	U	mg/Kg	0.00128	U	mg/Kg	NA	0.00001	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Chlorobenzene	0.00108	U	mg/Kg	0.00109	U	mg/Kg	NA	0.00001	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Chlorobromomethane	0.002	U	mg/Kg	0.00202	U	mg/Kg	NA	2E-05	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Chloroethane	0.00157	U	mg/Kg	0.00159	U	mg/Kg	NA	2E-05	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Chloroform	0.000742	U	mg/Kg	0.00075	U	mg/Kg	NA	8E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Chloromethane	0.00187	U	mg/Kg	0.00189	U	mg/Kg	NA	2E-05	0.0342	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	cis-1,2-Dichloroethene	0.000934	U	mg/Kg	0.000943	U	mg/Kg	NA	0.000009	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	cis-1,3-Dichloropropene	0.000607	U	mg/Kg	0.000614	U	mg/Kg	NA	7E-06	0.0171	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Dibromochloromethane	0.00106	U	mg/Kg	0.00107	U	mg/Kg	NA	0.00001	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Ethylbenzene	0.00115	U	mg/Kg	0.00116	U	mg/Kg	NA	0.00001	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Methyl tert-butyl ether	0.00206	U	mg/Kg	0.00208	U	mg/Kg	NA	2E-05	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Methylene Chloride	0.00246	U	mg/Kg	0.00351	J	mg/Kg	NA	0.00105	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	m-Xylene & p-Xylene	0.00171	U	mg/Kg	0.00173	U	mg/Kg	NA	2E-05	0.0341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	o-Xylene	0.00127	U	mg/Kg	0.00128	U	mg/Kg	NA	0.00001	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Styrene	0.000799	U	mg/Kg	0.000807	U	mg/Kg	NA	8E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Tetrachloroethene	0.000799	U *	mg/Kg	0.000807	U *	mg/Kg	NA	8E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Toluene	0.00155	U	mg/Kg	0.00157	U	mg/Kg	NA	2E-05	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	trans-1,2-Dichloroethene	0.00128	U	mg/Kg	0.0013	U	mg/Kg	NA	2E-05	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	trans-1,3-Dichloropropene	0.000652	U	mg/Kg	0.000659	U	mg/Kg	NA	7E-06	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Trichloroethene	0.00157	U	mg/Kg	0.00159	U	mg/Kg	NA	2E-05	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Vinyl acetate	0.00105	U	mg/Kg	0.00106	U	mg/Kg	NA	0.00001	0.0171	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Vinyl chloride	0.00101	U	mg/Kg	0.00102	U	mg/Kg	NA	0.00001	0.0340	y
TP-9 5' Dup	TP-9 5'	4/15/13	8260B	Xylenes, Total	0.00127	U	mg/Kg	0.00128	U	mg/Kg	NA	0.00001	0.0170	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	1,2,4-Trichlorobenzene	0.00236	U	mg/Kg	0.00239	U	mg/Kg	NA	3E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	1,2-Dichlorobenzene	0.00339	U	mg/Kg	0.00343	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	1,3-Dichlorobenzene	0.00173	U	mg/Kg	0.00175	U	mg/Kg	NA	2E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	1,4-Dichlorobenzene	0.00253	U	mg/Kg	0.00256	U	mg/Kg	NA	3E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4,5-Trichlorophenol	0.0112	U	mg/Kg	0.0114	U	mg/Kg	NA	0.0002	0.0571	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4,6-Trichlorophenol	0.00301	U	mg/Kg	0.00304	U	mg/Kg	NA	3E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4-Dichlorophenol	0.00434	U	mg/Kg	0.0044	U	mg/Kg	NA	6E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4-Dimethylphenol	0.00963	U	mg/Kg	0.00975	U	mg/Kg	NA	0.00012	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4-Dinitrophenol	0.0053	U	mg/Kg	0.00536	U	mg/Kg	NA	6E-05	0.341	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,4-Dinitrotoluene	0.00405	U	mg/Kg	0.0041	U	mg/Kg	NA	5E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2,6-Dinitrotoluene	0.00331	U	mg/Kg	0.00335	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Chloronaphthalene	0.00136	U	mg/Kg	0.00137	U	mg/Kg	NA	1E-05	0.0567	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Chlorophenol	0.00221	U	mg/Kg	0.00224	U	mg/Kg	NA	3E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Methylnaphthalene	0.00308	U	mg/Kg	0.00311	U	mg/Kg	NA	3E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Methylphenol	0.00363	U	mg/Kg	0.00367	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Nitroaniline	0.00549	U	mg/Kg	0.00555	U	mg/Kg	NA	6E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	2-Nitrophenol	0.00437	U	mg/Kg	0.00442	U	mg/Kg	NA	5E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	3 & 4 Methylphenol	0.00313	U	mg/Kg	0.00317	U	mg/Kg	NA	4E-05	0.114	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	3,3'-Dichlorobenzidine	0.0114	U	mg/Kg	0.0115	U	mg/Kg	NA	1E-04	0.0565	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	3-Nitroaniline	0.00803	U *	mg/Kg	0.00812	U *	mg/Kg	NA	9E-05	0.0569	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4,6-Dinitro-2-methylphenol	0.00559	U	mg/Kg	0.00566	U	mg/Kg	NA	7E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Bromophenyl phenyl ether	0.00319	U	mg/Kg	0.00323	U	mg/Kg	NA	4E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Chloro-3-methylphenol	0.0175	U	mg/Kg	0.0177	U	mg/Kg	NA	0.0002	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Chloroaniline	0.00653	U	mg/Kg	0.00661	U	mg/Kg	NA	8E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Chlorophenyl phenyl ether	0.00202	U	mg/Kg	0.00204	U	mg/Kg	NA	2E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Nitroaniline	0.0125	U	mg/Kg	0.0127	U	mg/Kg	NA	0.0002	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	4-Nitrophenol	0.0057	U	mg/Kg	0.00577	U	mg/Kg	NA	7E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Acenaphthene	0.00162	U	mg/Kg	0.00164	U	mg/Kg	NA	2E-05	0.0571	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Acenaphthylene	0.00112	U	mg/Kg	0.00114	U	mg/Kg	NA	2E-05	0.0571	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Anthracene	0.00661	J	mg/Kg	0.00681	J	mg/Kg	NA	0.0002	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzidine	0.0101	U	mg/Kg	0.0102	U	mg/Kg	NA	0.0001	0.283	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzo[a]anthracene	0.00155	U	mg/Kg	0.00157	U	mg/Kg	NA	2E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzo[a]pyrene	0.0074	J	mg/Kg	0.0049	J	mg/Kg	NA	0.0025	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzo[b]fluoranthene	0.0118	J	mg/Kg	0.00847	J	mg/Kg	NA	0.00333	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzo[g,h,i]perylene	0.00569	U	mg/Kg	0.00576	U	mg/Kg	NA	7E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzo[k]fluoranthene	0.00167	U	mg/Kg	0.00169	U	mg/Kg	NA	2E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Benzyl alcohol	0.00655	U	mg/Kg	0.00662	U	mg/Kg	NA	7E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	bis (2-Chloroisopropyl) ether	0.00992	U	mg/Kg	0.01	U	mg/Kg	NA	8E-05	0.0567	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Bis(2-chloroethoxy)methane	0.00159	U	mg/Kg	0.00161	U	mg/Kg	NA	2E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Bis(2-chloroethyl)ether	0.00185	U	mg/Kg	0.00187	U	mg/Kg	NA	2E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Bis(2-ethylhexyl) phthalate	0.00603	U	mg/Kg	0.0061	U	mg/Kg	NA	7E-05	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Butyl benzyl phthalate	0.00695	U	mg/Kg	0.00703	U	mg/Kg	NA	8E-05	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Carbazole	0.0035	U	mg/Kg	0.00354	U	mg/Kg	NA	4E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Chrysene	0.00115	U	mg/Kg	0.00116	U	mg/Kg	NA	0.00001	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Dibenz(a,h)anthracene	0.00408	U	mg/Kg	0.00412	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Dibenzofuran	0.002	U	mg/Kg	0.00202	U	mg/Kg	NA	2E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Diethyl phthalate	0.00946	U	mg/Kg	0.00957	U	mg/Kg	NA	0.00011	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Dimethyl phthalate	0.00549	U	mg/Kg	0.00555	U	mg/Kg	NA	6E-05	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Di-n-butyl phthalate	0.00979	J	mg/Kg	0.00994	J	mg/Kg	NA	0.00015	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Di-n-octyl phthalate	0.00213	U	mg/Kg	0.00216	U	mg/Kg	NA	3E-05	0.227	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Fluoranthene	0.00349	U	mg/Kg	0.00353	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Fluorene	0.00265	U	mg/Kg	0.00268	U	mg/Kg	NA	3E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Hexachlorobenzene	0.00171	U	mg/Kg	0.00173	U	mg/Kg	NA	2E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Hexachlorobutadiene	0.00216	U	mg/Kg	0.00218	U	mg/Kg	NA	2E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Hexachlorocyclopentadiene	0.00518	U	mg/Kg	0.00524	U	mg/Kg	NA	6E-05	0.0569	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Hexachloroethane	0.00259	U	mg/Kg	0.00262	U	mg/Kg	NA	3E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Indeno[1,2,3-cd]pyrene	0.00393	U	mg/Kg	0.00398	U	mg/Kg	NA	5E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Isophorone	0.00112	U	mg/Kg	0.00114	U	mg/Kg	NA	2E-05	0.0571	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Naphthalene	0.00152	U	mg/Kg	0.00153	U	mg/Kg	NA	1E-05	0.0568	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Nitrobenzene	0.00332	U	mg/Kg	0.00336	U	mg/Kg	NA	4E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	N-Nitrosodimethylamine	0.0047	U	mg/Kg	0.00476	U	mg/Kg	NA	6E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	N-Nitrosodi-n-propylamine	0.00249	U	mg/Kg	0.00252	U	mg/Kg	NA	3E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	N-Nitrosodiphenylamine	0.00212	U	mg/Kg	0.00215	U	mg/Kg	NA	3E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Pentachlorophenol	0.00449	U	mg/Kg	0.00454	U	mg/Kg	NA	5E-05	0.569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Phenanthrene	0.00556	U	mg/Kg	0.00562	U	mg/Kg	NA	6E-05	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Phenol	0.00476	U	mg/Kg	0.00482	U	mg/Kg	NA	6E-05	0.0570	y
TP-9 5' Dup	TP-9 5'	4/15/13	8270C LL	Pyrene	0.0113	J	mg/Kg	0.0099	J	mg/Kg	NA	0.0014	0.0569	y
TP-9 5' Dup	TP-9 5'	4/15/13	TX 1005	>C12-C28	4.57	U	mg/Kg	4.61	U	mg/Kg	NA	0.04	34.1	y
TP-9 5' Dup	TP-9 5'	4/15/13	TX 1005	>C28-C35	4.57	U	mg/Kg	4.61	U	mg/Kg	NA	0.04	34.1	y
TP-9 5' Dup	TP-9 5'	4/15/13	TX 1005	C6-C12	4.27	U	mg/Kg	4.31	U	mg/Kg	NA	0.04	34.0	y
TP-9 5' Dup	TP-9 5'	4/15/13	TX 1005	C6-C35	8.41	U	mg/Kg	8.48	U	mg/Kg	NA	0.07	34.0	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Ag	0.153	U	mg/Kg	0.148	U	mg/Kg	NA	0.005	1.93	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	As	19.8		mg/Kg	24.5		mg/Kg	21	NA	3.85	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Ba	139	b	mg/Kg	142	b	mg/Kg	2.1	NA	3.86	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Cd	0.508		mg/Kg	0.473		mg/Kg	NA	0.035	0.967	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Cr	23.1		mg/Kg	24.1		mg/Kg	4.2	NA	1.93	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Pb	39		mg/Kg	53.4		mg/Kg	31	NA	1.93	y
TP-11 1' Dup	TP-11 1'	4/15/13	6010B	Se	0.694	J	mg/Kg	0.323	U	mg/Kg	NA	0.371	7.71	y
TP-11 1' Dup	TP-11 1'	4/15/13	7471A	Mercury	0.0316	J	mg/Kg	0.0275	J	mg/Kg	NA	0.0041	0.200	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,1,1-Trichloroethane	0.00098	U	mg/Kg	0.001	U	mg/Kg	NA	2E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,1,2,2-Tetrachloroethane	0.00115	U	mg/Kg	0.00118	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,1,2-Trichloroethane	0.000967	U	mg/Kg	0.000991	U	mg/Kg	NA	2.4E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,1-Dichloroethane	0.00115	U	mg/Kg	0.00118	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,1-Dichloroethene	0.00162	U	mg/Kg	0.00166	U	mg/Kg	NA	4E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,2-Dichloroethane	0.00119	U	mg/Kg	0.00122	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,2-Dichloroethene, Total	0.00252	U	mg/Kg	0.00258	U	mg/Kg	NA	6E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	1,2-Dichloropropane	0.00094	U	mg/Kg	0.000964	U	mg/Kg	NA	0.000024	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	2-Butanone (MEK)	0.00252	U	mg/Kg	0.00258	U	mg/Kg	NA	6E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	2-Hexanone	0.00134	U	mg/Kg	0.00137	U	mg/Kg	NA	3E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	4-Methyl-2-pentanone (MIBK)	0.00195	U	mg/Kg	0.002	U	mg/Kg	NA	5E-05	0.0408	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Acetone	0.0022	U	mg/Kg	0.00225	U	mg/Kg	NA	5E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Benzene	0.000834	U	mg/Kg	0.000856	U	mg/Kg	NA	0.000022	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Bromodichloromethane	0.000874	U	mg/Kg	0.000896	U	mg/Kg	NA	0.000022	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Bromoform	0.00181	U	mg/Kg	0.00186	U	mg/Kg	NA	5E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Bromomethane	0.0011	U	mg/Kg	0.00113	U	mg/Kg	NA	3E-05	0.0408	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Carbon disulfide	0.000729	U	mg/Kg	0.000747	U	mg/Kg	NA	0.000018	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Carbon tetrachloride	0.0015	U	mg/Kg	0.00153	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Chlorobenzene	0.00127	U	mg/Kg	0.0013	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Chlorobromomethane	0.00236	U	mg/Kg	0.00242	U	mg/Kg	NA	6E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Chloroethane	0.00185	U	mg/Kg	0.0019	U	mg/Kg	NA	5E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Chloroform	0.000874	U	mg/Kg	0.000896	U	mg/Kg	NA	0.000022	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Chloromethane	0.0022	U	mg/Kg	0.00225	U	mg/Kg	NA	5E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	cis-1,2-Dichloroethene	0.0011	U	mg/Kg	0.00113	U	mg/Kg	NA	3E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	cis-1,3-Dichloropropene	0.000715	U	mg/Kg	0.000733	U	mg/Kg	NA	0.000018	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Dibromochloromethane	0.00125	U	mg/Kg	0.00128	U	mg/Kg	NA	3E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Ethylbenzene	0.00135	U	mg/Kg	0.00139	U	mg/Kg	NA	4E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Methyl tert-butyl ether	0.00242	U	mg/Kg	0.00249	U	mg/Kg	NA	7E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Methylene Chloride	0.0029	U	mg/Kg	0.00297	U	mg/Kg	NA	7E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	m-Xylene & p-Xylene	0.00201	U	mg/Kg	0.00206	U	mg/Kg	NA	5E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	o-Xylene	0.0015	U	mg/Kg	0.00153	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Styrene	0.00094	U	mg/Kg	0.000964	U	mg/Kg	NA	0.000024	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Tetrachloroethene	0.00094	U *	mg/Kg	0.000964	U *	mg/Kg	NA	0.000024	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Toluene	0.00183	U	mg/Kg	0.00187	U	mg/Kg	NA	4E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	trans-1,2-Dichloroethene	0.00151	U	mg/Kg	0.00155	U	mg/Kg	NA	4E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	trans-1,3-Dichloropropene	0.000768	U	mg/Kg	0.000788	U	mg/Kg	NA	2E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Trichloroethene	0.00185	U	mg/Kg	0.0019	U	mg/Kg	NA	5E-05	0.0204	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Vinyl acetate	0.00123	U	mg/Kg	0.00126	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Vinyl chloride	0.00119	U	mg/Kg	0.00122	U	mg/Kg	NA	3E-05	0.0407	y
TP-11 1' Dup	TP-11 1'	4/15/13	8260B	Xylenes, Total	0.0015	U	mg/Kg	0.00153	U	mg/Kg	NA	3E-05	0.0203	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	1,2,4-Trichlorobenzene	0.0139	U	mg/Kg	0.0142	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	1,2-Dichlorobenzene	0.0199	U	mg/Kg	0.0205	U	mg/Kg	NA	0.0006	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	1,3-Dichlorobenzene	0.0102	U	mg/Kg	0.0104	U	mg/Kg	NA	0.0002	0.338	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	1,4-Dichlorobenzene	0.0149	U	mg/Kg	0.0153	U	mg/Kg	NA	0.0004	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4,5-Trichlorophenol	0.0661	U	mg/Kg	0.0679	U	mg/Kg	NA	0.0018	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4,6-Trichlorophenol	0.0177	U	mg/Kg	0.0182	U	mg/Kg	NA	0.0005	0.340	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4-Dichlorophenol	0.0256	U	mg/Kg	0.0263	U	mg/Kg	NA	0.0007	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4-Dimethylphenol	0.0567	U	mg/Kg	0.0582	U	mg/Kg	NA	0.0015	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4-Dinitrophenol	0.0312	U	mg/Kg	0.032	U	mg/Kg	NA	0.0008	2.03	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,4-Dinitrotoluene	0.0238	U	mg/Kg	0.0245	U	mg/Kg	NA	0.0007	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2,6-Dinitrotoluene	0.0195	U	mg/Kg	0.02	U	mg/Kg	NA	0.0005	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Chloronaphthalene	0.00799	U	mg/Kg	0.00821	U	mg/Kg	NA	0.00022	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Chlorophenol	0.013	U	mg/Kg	0.0134	U	mg/Kg	NA	0.0004	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Methylnaphthalene	0.0181	U	mg/Kg	0.0186	U	mg/Kg	NA	0.0005	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Methylphenol	0.0213	U	mg/Kg	0.0219	U	mg/Kg	NA	0.0006	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Nitroaniline	0.0323	U	mg/Kg	0.0332	U	mg/Kg	NA	0.0009	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	2-Nitrophenol	0.0257	U	mg/Kg	0.0264	U	mg/Kg	NA	0.0007	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	3 & 4 Methylphenol	0.0184	U	mg/Kg	0.0189	U	mg/Kg	NA	0.0005	0.677	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	3,3'-Dichlorobenzidine	0.0671	U	mg/Kg	0.0689	U	mg/Kg	NA	0.0018	0.338	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	3-Nitroaniline	0.0472	U *	mg/Kg	0.0485	U *	mg/Kg	NA	0.0013	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4,6-Dinitro-2-methylphenol	0.0329	U	mg/Kg	0.0338	U	mg/Kg	NA	0.0009	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Bromophenyl phenyl ether	0.0188	U	mg/Kg	0.0193	U	mg/Kg	NA	0.0005	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Chloro-3-methylphenol	0.103	U	mg/Kg	0.106	U	mg/Kg	NA	0.003	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Chloroaniline	0.0384	U	mg/Kg	0.0395	U	mg/Kg	NA	0.0011	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Chlorophenyl phenyl ether	0.0119	U	mg/Kg	0.0122	U	mg/Kg	NA	0.0003	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Nitroaniline	0.0736	U	mg/Kg	0.0757	U	mg/Kg	NA	0.0021	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	4-Nitrophenol	0.0336	U	mg/Kg	0.0345	U	mg/Kg	NA	0.0009	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Acenaphthene	0.00951	U	mg/Kg	0.00977	U	mg/Kg	NA	0.00026	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Acenaphthylene	0.00661	U	mg/Kg	0.00679	U	mg/Kg	NA	0.00018	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Anthracene	0.00845	U	mg/Kg	0.00869	U	mg/Kg	NA	0.00024	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzidine	0.0596	U	mg/Kg	0.0612	U	mg/Kg	NA	0.0016	1.70	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzo[a]anthracene	0.00912	U	mg/Kg	0.00936	U	mg/Kg	NA	0.00024	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzo[a]pyrene	0.0106	U	mg/Kg	0.0109	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzo[b]fluoranthene	0.0114	U	mg/Kg	0.0117	U	mg/Kg	NA	0.0003	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzo[g,h,i]perylene	0.0335	U	mg/Kg	0.0344	U	mg/Kg	NA	0.0009	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzo[k]fluoranthene	0.00984	U	mg/Kg	0.0101	U	mg/Kg	NA	0.00026	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Benzyl alcohol	0.0385	U	mg/Kg	0.0396	U	mg/Kg	NA	0.0011	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	bis (2-Chloroisopropyl) ether	0.0584	U	mg/Kg	0.06	U	mg/Kg	NA	0.0016	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Bis(2-chloroethoxy)methane	0.00938	U	mg/Kg	0.00964	U	mg/Kg	NA	0.00026	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Bis(2-chloroethyl)ether	0.0109	U	mg/Kg	0.0112	U	mg/Kg	NA	0.0003	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Bis(2-ethylhexyl) phthalate	0.0355	U	mg/Kg	0.0364	U	mg/Kg	NA	0.0009	1.36	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Butyl benzyl phthalate	0.0409	U	mg/Kg	0.042	U	mg/Kg	NA	0.0011	1.36	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Carbazole	0.0206	U	mg/Kg	0.0212	U	mg/Kg	NA	0.0006	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Chrysene	0.00674	U	mg/Kg	0.00692	U	mg/Kg	NA	0.00018	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Dibenz(a,h)anthracene	0.024	U	mg/Kg	0.0246	U	mg/Kg	NA	0.0006	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Dibenzofuran	0.0118	U	mg/Kg	0.0121	U	mg/Kg	NA	0.0003	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Diethyl phthalate	0.0557	U	mg/Kg	0.0572	U	mg/Kg	NA	0.0015	1.36	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Dimethyl phthalate	0.0323	U	mg/Kg	0.0332	U	mg/Kg	NA	0.0009	1.36	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Di-n-butyl phthalate	0.0171	U	mg/Kg	0.0176	U	mg/Kg	NA	0.0005	1.36	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Di-n-octyl phthalate	0.0126	U	mg/Kg	0.0129	U	mg/Kg	NA	0.0003	1.36	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Fluoranthene	0.0205	U	mg/Kg	0.0211	U	mg/Kg	NA	0.0006	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Fluorene	0.0156	U	mg/Kg	0.016	U	mg/Kg	NA	0.0004	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Hexachlorobenzene	0.01	U	mg/Kg	0.0103	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Hexachlorobutadiene	0.0127	U	mg/Kg	0.013	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Hexachlorocyclopentadiene	0.0305	U	mg/Kg	0.0313	U	mg/Kg	NA	0.0008	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Hexachloroethane	0.0153	U	mg/Kg	0.0157	U	mg/Kg	NA	0.0004	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Indeno[1,2,3-cd]pyrene	0.0231	U	mg/Kg	0.0237	U	mg/Kg	NA	0.0006	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Isophorone	0.00661	U	mg/Kg	0.00679	U	mg/Kg	NA	0.00018	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Naphthalene	0.00892	U	mg/Kg	0.00916	U	mg/Kg	NA	0.00024	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Nitrobenzene	0.0196	U	mg/Kg	0.0201	U	mg/Kg	NA	0.0005	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	N-Nitrosodimethylamine	0.0277	U	mg/Kg	0.0284	U	mg/Kg	NA	0.0007	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	N-Nitrosodi-n-propylamine	0.0147	U	mg/Kg	0.0151	U	mg/Kg	NA	0.0004	0.341	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	N-Nitrosodiphenylamine	0.0125	U	mg/Kg	0.0128	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Pentachlorophenol	0.0264	U	mg/Kg	0.0271	U	mg/Kg	NA	0.0007	3.39	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Phenanthrene	0.0327	U	mg/Kg	0.0336	U	mg/Kg	NA	0.0009	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Phenol	0.028	U	mg/Kg	0.0288	U	mg/Kg	NA	0.0008	0.340	y
TP-11 1' Dup	TP-11 1'	4/15/13	8270C LL	Pyrene	0.0121	U	mg/Kg	0.0124	U	mg/Kg	NA	0.0003	0.339	y
TP-11 1' Dup	TP-11 1'	4/15/13	TX 1005	>C12-C28	5.36	U	mg/Kg	5.5	U	mg/Kg	NA	0.14	40.6	y
TP-11 1' Dup	TP-11 1'	4/15/13	TX 1005	>C28-C35	5.36	U	mg/Kg	5.5	U	mg/Kg	NA	0.14	40.6	y
TP-11 1' Dup	TP-11 1'	4/15/13	TX 1005	C6-C12	5.01	U	mg/Kg	5.15	U	mg/Kg	NA	0.14	40.7	y
TP-11 1' Dup	TP-11 1'	4/15/13	TX 1005	C6-C35	9.87	U	mg/Kg	10.1	U	mg/Kg	NA	0.23	40.5	y
TP-31 2' Dup	TP-31 2'	4/17/13	6010B	Cadmium	0.254	J	mg/Kg	0.213	J	mg/Kg	NA	0.041	0.841	y
TP-31 2' Dup	TP-31 2'	4/17/13	6010B	Lead	14.7		mg/Kg	13.9		mg/Kg	5.6	NA	1.67	y

Note: The RPD test (≤50%) applies if both results are greater than 5x MQL. Otherwise, the absolute difference test (≤ 3x MQL) applies.

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATES

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 350.2

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10064003

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate as N	TX	1810	10067604
Nitrate-nitrite	TX	1820	10067604

Method EPA 365.2

Analyte	AB	Analyte ID	Method ID

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Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

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Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

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Matrix: ***Solid & Chemical Materials***

4,4'-DDD	TX	7355	10178606
4,4'-DDE	TX	7360	10178606
4,4'-DDT	TX	7365	10178606
Aldrin	TX	7025	10178606
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10178606
alpha-Chlordane	TX	7240	10178606
beta-BHC (beta-Hexachlorocyclohexane)	TX	7115	10178606
DDD,Total	TX	10314	10178606
DDE,Total	TX	10315	10178606
DDT,Total	TX	10316	10178606
delta-BHC (delta-Hexachlorocyclohexane)	TX	7105	10178606
Dieldrin	TX	7470	10178606
Endosulfan I	TX	7510	10178606
Endosulfan II	TX	7515	10178606
Endosulfan sulfate	TX	7520	10178606
Endrin	TX	7540	10178606
Endrin aldehyde	TX	7530	10178606
Endrin ketone	TX	7535	10178606
gamma-BHC (Lindane, gamma-Hexachlorocyclohexane)	TX	7120	10178606
gamma-Chlordane	TX	7245	10178606
Heptachlor	TX	7685	10178606
Heptachlor epoxide	TX	7690	10178606
Methoxychlor	TX	7810	10178606
Toxaphene (Chlorinated camphene)	TX	8250	10178606

Method EPA 8082

Analyte	**AB**	**Analyte ID**	**Method ID**
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007

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Matrix: ***Solid & Chemical Materials***

Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007

Method EPA 8151

Analyte	AB	Analyte ID	Method ID
2,4,5-T	TX	8655	10183207
2,4-D	TX	8545	10183207
2,4-DB	TX	8560	10183207
Acifluorfen	TX	8505	10183207
Dalapon	TX	8555	10183207
Dicamba	TX	8595	10183207
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183207
MCPA	TX	7775	10183207
MCPP	TX	7780	10183207
Silvex (2,4,5-TP)	TX	8650	10183207

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184802
1,1,1-Trichloroethane	TX	5160	10184802
1,1,2,2-Tetrachloroethane	TX	5110	10184802
1,1,2-Trichloroethane	TX	5165	10184802
1,1-Dichloroethane	TX	4630	10184802
1,1-Dichloroethylene	TX	4640	10184802
1,1-Dichloropropene	TX	4670	10184802
1,2,3-Trichlorobenzene	TX	5150	10184802
1,2,3-Trichloropropane	TX	5180	10184802
1,2,4-Trichlorobenzene	TX	5155	10184802
1,2,4-Trimethylbenzene	TX	5210	10184802
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184802

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Matrix: *Solid & Chemical Materials*

1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184802
1,2-Dichlorobenzene	TX	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184802
1,2-Dichloropropane	TX	4655	10184802
1,3,5-Trimethylbenzene	TX	5215	10184802
1,3-Dichlorobenzene	TX	4615	10184802
1,3-Dichloropropane	TX	4660	10184802
1,4-Dichlorobenzene	TX	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184802
2,2-Dichloropropane	TX	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184802
2-Chloroethyl vinyl ether	TX	4500	10184802
2-Chlorotoluene	TX	4535	10184802
2-Hexanone (MBK)	TX	4860	10184802
2-Propanol	TX	5065	10184802
4-Chlorotoluene	TX	4540	10184802
4-Isopropyltoluene (p-Cymene)	TX	4915	10184802
4-Methyl-2-pentanone (MIBK)	TX	4995	10184802
Acetone (2-Propanone)	TX	4315	10184802
Acetonitrile	TX	4320	10184802
Acrolein (Propenal)	TX	4325	10184802
Acrylonitrile	TX	4340	10184802
Benzene	TX	4375	10184802
Benzyl chloride	TX	5635	10184802
Bromobenzene	TX	4385	10184802
Bromochloromethane	TX	4390	10184802
Bromodichloromethane	TX	4395	10184802
Bromoform	TX	4400	10184802
Carbon disulfide	TX	4450	10184802
Carbon tetrachloride	TX	4455	10184802

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Chlorobenzene	TX	4475	10184802
Chlorodibromomethane	TX	4575	10184802
Chloroethane (Ethyl chloride)	TX	4485	10184802
Chloroform	TX	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184802
cis-1,2-Dichloroethylene	TX	4645	10184802
cis-1,3-Dichloropropene	TX	4680	10184802
Dibromofluoromethane	TX	4590	10184802
Dibromomethane (Methylene bromide)	TX	4595	10184802
Dichlorodifluoromethane (Freon-12)	TX	4625	10184802
Diethyl ether	TX	4725	10184802
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184802
Ethyl acetate	TX	4755	10184802
Ethyl methacrylate	TX	4810	10184802
Ethylbenzene	TX	4765	10184802
Ethylene oxide	TX	4795	10184802
Hexachlorobutadiene	TX	4835	10184802
Iodomethane (Methyl iodide)	TX	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184802
Isopropylbenzene (Cumene)	TX	4900	10184802
m+p-xylene	TX	5240	10184802
Methacrylonitrile	TX	4925	10184802
Methyl acrylate	TX	4945	10184802
Methyl bromide (Bromomethane)	TX	4950	10184802
Methyl chloride (Chloromethane)	TX	4960	10184802
Methyl methacrylate	TX	4990	10184802
Methyl tert-butyl ether (MTBE)	TX	5000	10184802
Methylene chloride (Dichloromethane)	TX	4975	10184802
Naphthalene	TX	5005	10184802
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184802

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

n-Butylbenzene	TX	4435	10184802
n-Propylbenzene	TX	5090	10184802
o-Xylene	TX	5250	10184802
sec-Butylbenzene	TX	4440	10184802
Styrene	TX	5100	10184802
tert-Butyl alcohol	TX	4420	10184802
tert-Butylbenzene	TX	4445	10184802
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184802
Toluene	TX	5140	10184802
trans-1,2-Dichloroethylene	TX	4700	10184802
trans-1,3-Dichloropropylene	TX	4685	10184802
trans-1,4-Dichloro-2-butene	TX	4605	10184802
Trichloroethene (Trichloroethylene)	TX	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184802
Vinyl acetate	TX	5225	10184802
Vinyl chloride	TX	5235	10184802
Xylene (total)	TX	5260	10184802

Method EPA 8270

Analyte	**AB**	**Analyte ID**	**Method ID**
1,2,4,5-Tetrachlorobenzene	TX	6715	10185805
1,2,4-Trichlorobenzene	TX	5155	10185805
1,2-Dichlorobenzene	TX	4610	10185805
1,2-Dinitrobenzene	TX	6155	10185805
1,2-Diphenylhydrazine	TX	6220	10185805
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185805
1,3-Dichlorobenzene	TX	4615	10185805
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185805
1,4-Dichlorobenzene	TX	4620	10185805
1,4-Dinitrobenzene	TX	6165	10185805
1,4-Naphthoquinone	TX	6420	10185805

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Matrix: *Solid & Chemical Materials*

1,4-Phenylenediamine	TX	6630	10185805
1-Chloronaphthalene	TX	5790	10185805
1-Naphthylamine	TX	6425	10185805
2,3,4,6-Tetrachlorophenol	TX	6735	10185805
2,4,5-Trichlorophenol	TX	6835	10185805
2,4,6-Trichlorophenol	TX	6840	10185805
2,4-Diaminotoluene	TX	5880	10185805
2,4-Dichlorophenol	TX	6000	10185805
2,4-Dimethylphenol	TX	6130	10185805
2,4-Dinitrophenol	TX	6175	10185805
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185805
2,6-Dichlorophenol	TX	6005	10185805
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185805
2-Acetylaminofluorene	TX	5515	10185805
2-Chloronaphthalene	TX	5795	10185805
2-Chlorophenol	TX	5800	10185805
2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185805
2-Methylaniline (o-Toluidine)	TX	5145	10185805
2-Methylnaphthalene	TX	6385	10185805
2-Methylphenol (o-Cresol)	TX	6400	10185805
2-Naphthylamine	TX	6430	10185805
2-Nitroaniline	TX	6460	10185805
2-Nitrophenol	TX	6490	10185805
2-Picoline (2-Methylpyridine)	TX	5050	10185805
3,3'-Dichlorobenzidine	TX	5945	10185805
3,3'-Dimethoxybenzidine	TX	6100	10185805
3,3'-Dimethylbenzidine	TX	6120	10185805
3-Methylcholanthrene	TX	6355	10185805
3-Methylphenol (m-Cresol)	TX	6405	10185805
3-Nitroaniline	TX	6465	10185805

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Matrix: *Solid & Chemical Materials*

4,4'-Methylenebis(2-chloroaniline)	TX	6365	10185805
4,4'-Methylenebis(n,n-dimethylaniline)	TX	6370	10185805
4-Aminobiphenyl	TX	5540	10185805
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185805
4-Chloro-1,3-phenylenediamine	TX	5850	10185805
4-Chloro-3-methylphenol	TX	5700	10185805
4-Chloroaniline	TX	5745	10185805
4-Chlorophenyl phenylether	TX	5825	10185805
4-Methylphenol (p-Cresol)	TX	6410	10185805
4-Nitroaniline	TX	6470	10185805
4-Nitrophenol	TX	6500	10185805
5-Nitro-o-toluidine	TX	6570	10185805
7,12-Dimethylbenz(a) anthracene	TX	6115	10185805
a-a-Dimethylphenethylamine	TX	6125	10185805
Acenaphthene	TX	5500	10185805
Acenaphthylene	TX	5505	10185805
Acetophenone	TX	5510	10185805
Aminoazobenzene	TX	5535	10185805
Aniline	TX	5545	10185805
Anthracene	TX	5555	10185805
Aramite	TX	5560	10185805
Azinphos-methyl (Guthion)	TX	7075	10185805
Azobenzene	TX	5562	10185805
Benzenethiol (Thiophenol)	TX	6750	10185805
Benzidine	TX	5595	10185805
Benzo(a)anthracene	TX	5575	10185805
Benzo(a)pyrene	TX	5580	10185805
Benzo(b)fluoranthene	TX	5585	10185805
Benzo(g,h,i)perylene	TX	5590	10185805
Benzo(k)fluoranthene	TX	5600	10185805

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Matrix: ***Solid & Chemical Materials***

Benzoic acid	TX	5610	10185805
Benzyl alcohol	TX	5630	10185805
Biphenyl	TX	5640	10185805
bis(2-Chloroethoxy)methane	TX	5760	10185805
bis(2-Chloroethyl) ether	TX	5765	10185805
bis(2-Chloroisopropyl) ether	TX	5780	10185805
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185805
Butyl benzyl phthalate	TX	5670	10185805
Caprolactam	TX	7180	10185805
Captan	TX	7190	10185805
Carbaryl (Sevin)	TX	7195	10185805
Carbazole	TX	5680	10185805
Carbophenothion	TX	7220	10185805
Chlorobenzilate	TX	7260	10185805
Chrysene	TX	5855	10185805
Diallate	TX	7405	10185805
Dibenz(a,h) anthracene	TX	5895	10185805
Dibenz(a,j) acridine	TX	5900	10185805
Dibenzo(a,e) pyrene	TX	5890	10185805
Dibenzofuran	TX	5905	10185805
Dichlone	TX	7430	10185805
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185805
Diethyl phthalate	TX	6070	10185805
Dimethoate	TX	7475	10185805
Dimethyl phthalate	TX	6135	10185805
Di-n-butyl phthalate	TX	5925	10185805
Di-n-octyl phthalate	TX	6200	10185805
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10185805
Diphenylamine	TX	6205	10185805
Disulfoton	TX	8625	10185805

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Matrix: ***Solid & Chemical Materials***

Ethyl methanesulfonate	TX	6260	10185805
Famphur	TX	7580	10185805
Fluoranthene	TX	6265	10185805
Fluorene	TX	6270	10185805
Hexachlorobenzene	TX	6275	10185805
Hexachlorobutadiene	TX	4835	10185805
Hexachlorocyclopentadiene	TX	6285	10185805
Hexachloroethane	TX	4840	10185805
Hexachlorophene	TX	6290	10185805
Hydroquinone	TX	6310	10185805
Indeno(1,2,3-cd) pyrene	TX	6315	10185805
Isodrin	TX	7725	10185805
Isophorone	TX	6320	10185805
Isosafrole	TX	6325	10185805
Kepone	TX	7740	10185805
Methapyrilene	TX	6345	10185805
Methyl methanesulfonate	TX	6375	10185805
Methyl parathion (Parathion, methyl)	TX	7825	10185805
Methylphenols, total	TX	10313	10185805
Mevinphos	TX	7850	10185805
Mirex	TX	7870	10185805
Naphthalene	TX	5005	10185805
Nitrobenzene	TX	5015	10185805
Nitroquinoline-1-oxide	TX	6515	10185805
n-Nitrosodiethylamine	TX	6525	10185805
n-Nitrosodimethylamine	TX	6530	10185805
n-Nitrosodi-n-butylamine	TX	5025	10185805
n-Nitrosodi-n-propylamine	TX	6545	10185805
n-Nitrosodiphenylamine	TX	6535	10185805
n-Nitrosomethylethylamine	TX	6550	10185805

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Matrix: ***Solid & Chemical Materials***

n-Nitrosomorpholine	TX	6555	10185805
n-Nitrosopiperidine	TX	6560	10185805
n-Nitrosopyrrolidine	TX	6565	10185805
o,o,o-Triethyl phosphorothioate	TX	8290	10185805
Parathion, ethyl	TX	7955	10185805
p-Benzoquinone (Quinone)	TX	5620	10185805
Pentachlorobenzene	TX	6590	10185805
Pentachloronitrobenzene (PCNB)	TX	6600	10185805
Pentachlorophenol	TX	6605	10185805
Phenacetin	TX	6610	10185805
Phenanthrene	TX	6615	10185805
Phenol	TX	6625	10185805
Phorate	TX	7985	10185805
Pronamide (Kerb)	TX	6650	10185805
Pyrene	TX	6665	10185805
Pyridine	TX	5095	10185805
Safrole	TX	6685	10185805
Sulfotepp	TX	8155	10185805
Thionazin (Zinophos)	TX	8235	10185805
Toluene diisocyanate	TX	6775	10185805
tris-(2,3-Dibromopropyl) phosphate (tris-BP)	TX	8310	10185805

Method EPA 8315

Analyte	**AB**	**Analyte ID**	**Method ID**
Formaldehyde	TX	4815	10188008

Method EPA 9012

Analyte	**AB**	**Analyte ID**	**Method ID**
Amenable cyanide	TX	1510	10193405
Total Cyanide	TX	1635	10193405

Method EPA 9034

Analyte	**AB**	**Analyte ID**	**Method ID**
Sulfide	TX	2005	10196006

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Matrix: *Solid & Chemical Materials*

Silica Gel Treated n-Hexane Extractable Material (SGT-HEM)	TX	10220	10201806
Method EPA 9095			
Analyte	**AB**	**Analyte ID**	**Method ID**
Paint Filter Liquids Test	TX	10312	10204203
Method SSA/ASA Part 3:34			
Analyte	**AB**	**Analyte ID**	**Method ID**
Carbon, organic (Walkley-Black)	TX	10340	SSA/ASA Pt 3:34
Method TCEQ 1005			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704220-13-10

Accutest Laboratories Gulf Coast, Inc.

Expiration Date: 3/31/2014

10165 Harwin Drive, Suite 150
Houston, TX 77036-1622

Issue Date: 4/1/2013

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate as N	TX	1810	10067604
Nitrate-nitrite	TX	1820	10067604
Nitrite as N	TX	1840	10067604

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

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Accutest Laboratories Gulf Coast, Inc.

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Houston, TX 77036-1622

Issue Date: 4/1/2013

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Matrix: ***Solid & Chemical Materials***

Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 6020

Analyte	**AB**	**Analyte ID**	**Method ID**
Aluminum	TX	1000	10156408
Antimony	TX	1005	10156408

ATTACHMENT 2

ADDITIONAL LABORATORY QC INFORMATION
(PDS and SD)

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Method Blank - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-104189/1-A	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/18/2013 1252	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cd	0.0256	U	0.0256	0.250
Ba	0.03500	J	0.0300	1.00
Ag	0.119	U	0.119	0.500
As	0.218	U	0.218	1.00
Pb	0.105	U	0.105	0.500
Se	0.259	U	0.259	2.00
Cr	0.0506	U	0.0506	0.500

LCS-Certified Reference Material - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/18/2013 1254	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cd	103	97.66	94.8	83.6 - 115.5	
Ba	213	202.9	95.3	83.1 - 116.9	
Ag	42.3	39.42	93.2	66.4 - 133.8	
As	168	169.5	100.9	83.3 - 117.3	
Pb	76.9	71.15	92.5	81.3 - 118.7	
Se	126	117.1	92.9	80.2 - 120.6	
Cr	119	110.5	92.9	81.6 - 117.6	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Post Digestion Spike - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-4	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/18/2013 1312	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cd	0.280	J	31.8	32.02	100	75 - 125	
Ba	167		63.7	212.5	72	75 - 125	W
Ag	0.172	J	31.8	31.63	99	75 - 125	
As	17.9		63.7	78.59	95	75 - 125	
Pb	89.0		63.7	148.0	93	75 - 125	
Se	0.796	J	63.7	57.87	90	75 - 125	
Cr	11.4		63.7	63.82	82	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104189

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-4	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/18/2013 1304			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-4	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/18/2013 1307			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Pb	71	93	75 - 125	9	20	N	
Cr	90	92	75 - 125	2	20		
Cd	106	104	75 - 125	6	20		
Ba	48	93	75 - 125	13	20	N	
As	98	100	75 - 125	2	20		
Ag	104	104	75 - 125	5	20		
Se	94	92	75 - 125	7	20		

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104189

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-11	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/18/2013 1356			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-11	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/18/2013 1358			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cd	103	103	75 - 125	2	20		
Ba	119	124	75 - 125	3	20		
Ag	104	104	75 - 125	3	20		
As	99	104	75 - 125	5	20		
Pb	185	208	75 - 125	8	20	N	N
Se	89	89	75 - 125	3	20		
Cr	93	95	75 - 125	3	20		

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104189

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-4	Units:	mg/Kg
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/18/2013 1304		
Prep Date:	04/17/2013 1526		
Leach Date:	N/A		

MSD Lab Sample ID:	600-71692-4
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/18/2013 1307
Prep Date:	04/17/2013 1526
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Pb	89.0		69.4	66.3	138.2	N	150.9	
Cr	11.4		69.4	66.3	73.47		72.20	
Cd	0.280	J	34.7	33.1	36.93		34.79	
Ba	167		69.4	66.3	199.8	N	228.2	
As	17.9		69.4	66.3	85.54		83.86	
Ag	0.172	J	34.7	33.1	36.22		34.61	
Se	0.796	J	69.4	66.3	66.24		61.72	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104189

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-11	Units:	mg/Kg
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/18/2013 1356		
Prep Date:	04/17/2013 1526		
Leach Date:	N/A		

MSD Lab Sample ID:	600-71692-11
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/18/2013 1358
Prep Date:	04/17/2013 1526
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cd	0.381		28.1	28.6	29.31		29.89	
Ba	83.0		56.1	57.2	149.7		154.0	
Ag	0.137	U	28.1	28.6	29.05		29.88	
As	22.6		56.1	57.2	78.01		81.99	
Pb	75.1		56.1	57.2	179.1	N	193.8	N
Se	0.514	J	56.1	57.2	50.24		51.62	
Cr	14.7		56.1	57.2	66.73		68.94	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-4	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/18/2013 1302	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cd	0.280	J	0.3509	22	20	
Ba	167		172.9	4	20	
Ag	0.172	J	0.2024	16	20	J
As	17.9		16.67	7	20	
Pb	89.0		113.0	24	20	F
Se	0.796	J	0.8974	12	20	J
Cr	11.4		12.04	6	20	

Serial Dilution - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-C-4-D SD ^5	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.07 g
Analysis Date:	04/18/2013 1314	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cd	0.332	U	0.3503	NC	10	J
Ba	157		170.2	NC	10	
Ag	1.54	U	0.757	NC	10	U
As	18.2		18.69	NC	10	
Pb	96.9		89.80	NC	10	
Se	3.36	U	1.783	NC	10	J
Cr	13.7		12.07	NC	10	

Duplicate - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-11	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/18/2013 1346	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Cd	0.381	0.2833	29	20	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104189

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-11	Analysis Batch:	600-104239	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104189	Lab File ID:	041813.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/18/2013 1346	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1526				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Ba	83.0		100.0	19	20	
Ag	0.137	U	0.135	NC	20	U
As	22.6		31.75	33	20	F
Pb	75.1		125.5	50	20	F
Se	0.514	J	0.3796	30	20	J
Cr	14.7		15.81	8	20	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Method Blank - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-104278/1-A	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/19/2013 0932	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cd	0.0256	U	0.0256	0.250
Cadmium	0.0256	U	0.0256	0.250
Ba	0.2570	J	0.0300	1.00
Ag	0.119	U	0.119	0.500
As	0.218	U	0.218	1.00
Pb	0.105	U	0.105	0.500
Lead	0.105	U	0.105	0.500
Se	0.259	U	0.259	2.00
Cr	0.0506	U	0.0506	0.500

Lab Control Sample - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCS 600-104278/2-A	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/19/2013 0936	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cd	103	94.43	92	81 - 119	
Cadmium	103	94.43	92	81 - 119	
Ba	213	207.8	98	80 - 120	
Ag	42.3	42.60	101	66 - 134	
As	168	167.9	100	78 - 122	
Pb	76.9	74.50	97	79 - 121	
Lead	76.9	74.50	97	79 - 121	
Se	126	122.7	97	80 - 120	
Cr	119	114.5	96	81 - 119	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Post Digestion Spike - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/19/2013 1136	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cd	0.411		25.9	18.39	69	75 - 125	W
Cadmium	0.411		25.9	18.39	69	75 - 125	W
Ba	70.1		51.8	108.8	75	75 - 125	
Ag	0.123	U	25.9	23.04	89	75 - 125	
As	11.9		51.8	53.98	81	75 - 125	
Pb	1010		51.8	1003	NC	75 - 125	
Lead	1010		51.8	1003	NC	75 - 125	
Se	0.268	U	51.8	40.78	79	75 - 125	
Cr	14.0		51.8	51.96	73	75 - 125	W

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104278

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/19/2013 0955			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/19/2013 0959			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	66	78	75 - 125	19	20	N	
Cd	66	78	75 - 125	19	20	N	
Ba	284	102	75 - 125	56	20	N	N
Ag	84	98	75 - 125	18	20		
As	85	89	75 - 125	5	20		
Lead	-336	10	75 - 125	21	20	4	4 N
Pb	-336	10	75 - 125	21	20	4	4 N
Se	69	87	75 - 125	25	20	N	N
Cr	87	88	75 - 125	2	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104278

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-20	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.03 g
Analysis Date:	04/19/2013 1112			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-20	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.04 g
Analysis Date:	04/19/2013 1116			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	73	71	75 - 125	3	20	N	N
Lead	70	68	75 - 125	2	20	N	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104278

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-7	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/19/2013 0955		
Prep Date:	04/18/2013 1441		
Leach Date:	N/A		

MSD Lab Sample ID:	600-71692-7
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/19/2013 0959
Prep Date:	04/18/2013 1441
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.411		27.7	28.2	18.54	N	22.40	
Cd	0.411		27.7	28.2	18.54	N	22.40	
Ba	70.1		55.3	56.4	227.5	N	127.9	N
Ag	0.123	U	27.7	28.2	23.25		27.77	
As	11.9		55.3	56.4	59.15		62.04	
Lead	1010		55.3	56.4	823.3	4	1014	4 N
Pb	1010		55.3	56.4	823.3	4	1014	4 N
Se	0.268	U	55.3	56.4	38.23	N	48.92	N
Cr	14.0		55.3	56.4	62.43		63.49	

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104278

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-20	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/19/2013 1112		
Prep Date:	04/18/2013 1441		
Leach Date:	N/A		

MSD Lab Sample ID:	600-71692-20
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/19/2013 1116
Prep Date:	04/18/2013 1441
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual		MSD Result/Qual	
Cadmium	0.265	J	32.8	32.6	24.13	N	23.39	N
Lead	43.4		65.6	65.2	89.41	N	88.01	N

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.06 g
Analysis Date:	04/19/2013 0952	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cd	0.411		0.2843	36	20	
Cadmium	0.411		0.2843	36	20	
Ba	70.1		66.75	5	20	
Ag	0.123	U	0.127	NC	20	U
As	11.9		12.01	0.7	20	
Pb	1010		810.1	22	20	F
Lead	1010		810.1	22	20	F
Se	0.268	U	0.276	NC	20	U
Cr	14.0		13.62	3	20	

Duplicate - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-20	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.05 g
Analysis Date:	04/19/2013 1109	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cd	0.265	J	0.2788	5	20	J
Cadmium	0.265	J	0.2788	5	20	J
Pb	43.4		37.22	15	20	
Lead	43.4		37.22	15	20	

Serial Dilution - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/19/2013 1139	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cd	0.411		0.4012	NC	10	J
Cadmium	0.411		0.4012	NC	10	J

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Serial Dilution - Batch: 600-104278

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-7	Analysis Batch:	600-104344	Instrument ID:	TJA1
Client Matrix:	Solid	Prep Batch:	600-104278	Lab File ID:	T041913
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/19/2013 1139	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1441				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Ba	70.1		79.37	13	10	*
Ag	0.123	U	0.615	NC	10	U
As	11.9		13.02	9.2	10	
Pb	1010		1174	16	10	*
Lead	1010		1174	16	10	*
Se	0.268	U	1.34	NC	10	U
Cr	14.0		16.44	17	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Method Blank - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-104293/1-A	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/19/2013 1609	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cd	0.0256	U	0.0256	0.250
Ba	0.1050	J	0.0300	1.00
Ag	0.119	U	0.119	0.500
As	0.218	U	0.218	1.00
Pb	0.105	U	0.105	0.500
Se	0.259	U	0.259	2.00
Cr	0.0506	U	0.0506	0.500

Method Blank - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	MB 600-104293/24-A	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.00 g
Analysis Date:	04/19/2013 1631	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Cadmium	0.0256	U	0.0256	0.250
Barium	0.6050	J	0.0300	1.00
Silver	0.119	U	0.119	0.400
Arsenic	0.218	U	0.218	1.00
Copper	0.174	U	0.174	0.500
Lead	0.105	U	0.105	0.500
Tin	0.0873	U	0.0873	1.00
Selenium	0.259	U	0.259	2.00
Chromium	0.0506	U	0.0506	0.500

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

LCS-Certified Reference Material - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	LCSSRM	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.50 g
Analysis Date:	04/19/2013 1612	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Cd	103	90.21	87.6	83.6 - 115.5	
Cadmium	103	90.21	87.6	83.6 - 115.5	
Ba	213	181.2	85.1	83.1 - 116.9	
Barium	213	181.2	85.1	83.1 - 116.9	
Ag	42.3	38.89	91.9	66.4 - 133.8	
Silver	42.3	38.89	91.9	66.4 - 133.8	
As	168	150.1	89.3	83.3 - 117.3	
Arsenic	168	150.1	89.3	83.3 - 117.3	
Pb	76.9	69.35	90.2	81.3 - 118.7	
Lead	76.9	69.35	90.2	81.3 - 118.7	
Se	126	109.6	87.0	80.2 - 120.6	
Selenium	126	109.6	87.0	80.2 - 120.6	
Cr	119	103.4	86.9	81.6 - 117.6	
Chromium	119	103.4	86.9	81.6 - 117.6	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Post Digestion Spike - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/19/2013 1750	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Cd	0.228	J	27.1	27.16	99	75 - 125	
Cadmium	0.228	J	27.1	27.16	99	75 - 125	
Ba	49.9		54.3	97.97	89	75 - 125	
Barium	49.9		54.3	97.97	89	75 - 125	
Ag	0.129	U	27.1	28.66	106	75 - 125	
Silver	0.129	U	27.1	28.66	106	75 - 125	
As	3.98		54.3	52.61	90	75 - 125	
Arsenic	3.98		54.3	52.61	90	75 - 125	
Copper	7.90		54.3	59.97	96	75 - 125	
Pb	22.0		54.3	70.94	90	75 - 125	
Lead	22.0		54.3	70.94	90	75 - 125	
Tin	2.00		54.3	50.75	90	75 - 125	
Se	0.281	U	54.3	47.23	87	75 - 125	
Selenium	0.281	U	54.3	47.23	87	75 - 125	
Cr	7.41		54.3	50.16	79	75 - 125	
Chromium	7.41		54.3	50.16	79	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104293

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.09 g
Analysis Date:	04/19/2013 1624			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/19/2013 1626			Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Cadmium	103	104	75 - 125	8	20		
Cd	103	104	75 - 125	8	20		
Ba	91	108	75 - 125	13	20		
Barium	91	108	75 - 125	13	20		
Ag	109	111	75 - 125	9	20		
Silver	109	111	75 - 125	9	20		
Arsenic	96	95	75 - 125	7	20		
As	96	95	75 - 125	7	20		
Lead	99	106	75 - 125	10	20		
Pb	99	106	75 - 125	10	20		
Se	90	91	75 - 125	9	20		
Selenium	90	91	75 - 125	9	20		
Chromium	86	89	75 - 125	9	20		
Cr	86	89	75 - 125	9	20		

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104293

Method: 6010B
Preparation: 3050B

MS Lab Sample ID:	600-71692-27	Units: mg/Kg	
Client Matrix:	Solid		
Dilution:	1.0		
Analysis Date:	04/19/2013 1624		
Prep Date:	04/18/2013 1628		
Leach Date:	N/A		

MSD Lab Sample ID:	600-71692-27
Client Matrix:	Solid
Dilution:	1.0
Analysis Date:	04/19/2013 1626
Prep Date:	04/18/2013 1628
Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Cadmium	0.228	J	25.4	27.4	26.48	28.72
Cd	0.228	J	25.4	27.4	26.48	28.72
Ba	49.9		50.8	54.8	96.30	109.3
Barium	49.9		50.8	54.8	96.30	109.3
Ag	0.129	U	25.4	27.4	27.56	30.29
Silver	0.129	U	25.4	27.4	27.56	30.29
Arsenic	3.98		50.8	54.8	52.52	56.24
As	3.98		50.8	54.8	52.52	56.24
Lead	22.0		50.8	54.8	72.48	80.08
Pb	22.0		50.8	54.8	72.48	80.08
Se	0.281	U	50.8	54.8	45.75	49.87
Selenium	0.281	U	50.8	54.8	45.75	49.87
Chromium	7.41		50.8	54.8	51.30	56.29
Cr	7.41		50.8	54.8	51.30	56.29

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	1.01 g
Analysis Date:	04/19/2013 1621	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Cd	0.228	J	0.2576	12	20	J
Cadmium	0.228	J	0.2576	12	20	J
Ba	49.9		61.33	21	20	F
Barium	49.9		61.33	21	20	F
Ag	0.129	U	0.130	NC	20	U
Silver	0.129	U	0.130	NC	20	U
As	3.98		4.708	17	20	
Arsenic	3.98		4.708	17	20	
Pb	22.0		23.55	7	20	
Lead	22.0		23.55	7	20	
Se	0.281	U	0.3892	NC	20	J
Selenium	0.281	U	0.3892	NC	20	J
Cr	7.41		9.707	27	20	F
Chromium	7.41		9.707	27	20	F

Serial Dilution - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/19/2013 1753	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Cd	0.228	J	0.2714	NC	10	J
Cadmium	0.228	J	0.2714	NC	10	J
Ba	49.9		50.20	0.66	10	
Barium	49.9		50.20	0.66	10	
Ag	0.129	U	0.645	NC	10	U
Silver	0.129	U	0.645	NC	10	U
As	3.98		4.450	NC	10	J
Arsenic	3.98		4.450	NC	10	J
Copper	7.90		7.870	NC	10	
Pb	22.0		21.60	1.6	10	
Lead	22.0		21.60	1.6	10	
Tin	2.00		2.442	NC	10	J
Se	0.281	U	1.41	NC	10	U
Selenium	0.281	U	1.41	NC	10	U
Cr	7.41		8.440	14	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Serial Dilution - Batch: 600-104293

Method: 6010B
Preparation: 3050B

Lab Sample ID:	600-71692-27	Analysis Batch:	600-104394	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-104293	Lab File ID:	B041913.asc
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	1.02 g
Analysis Date:	04/19/2013 1753	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/18/2013 1628				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	%Diff	Limit	Qual
Chromium	7.41	8.440	14	10	*

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Method Blank - Batch: 600-104161

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 600-104161/7-A	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	04/18/2013 0734	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Mercury	0.00336	U	0.00336	0.0469

LCS-Certified Reference Material - Batch: 600-104161

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0736	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.3	25.53	100.9	71.5 - 128.1	

Matrix Spike - Batch: 600-104161

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-9	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0801	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0243	J	0.365	0.3480	89	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104161

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	600-71692-4	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0744			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

MSD Lab Sample ID:	600-71692-4	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.66 g
Analysis Date:	04/18/2013 0745			Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Mercury	92	96	75 - 125	4	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-104161

Method: 7471A
Preparation: 7471A

MS Lab Sample ID:	600-71692-4	Units:	mg/Kg	MSD Lab Sample ID:	600-71692-4
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	04/18/2013 0744			Analysis Date:	04/18/2013 0745
Prep Date:	04/17/2013 1236			Prep Date:	04/17/2013 1236
Leach Date:	N/A			Leach Date:	N/A

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Mercury	0.0192	J	0.347	0.319	0.3398	0.3272

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104161

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-9	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0759	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.0243	J	0.02160	12	20	J

Serial Dilution - Batch: 600-104161

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-4	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104161	Lab File ID:	fs041813.prn
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	04/18/2013 0833	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1236				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.0192	J	0.05686	NC	10	J

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Method Blank - Batch: 600-104163

Method: 7471A
Preparation: 7471A

Lab Sample ID:	MB 600-104163/7-A	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104163	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.64 g
Analysis Date:	04/18/2013 0835	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1300				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	MQL
Mercury	0.006133	J	0.00336	0.0469

LCS-Certified Reference Material - Batch: 600-104163

Method: 7471A
Preparation: 7471A

Lab Sample ID:	LCSSRM	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104163	Lab File ID:	fs041813.prn
Dilution:	100	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0837	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1300				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	25.3	26.83	106.0	71.5 - 128.1	

Matrix Spike - Batch: 600-104163

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-29	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104163	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.63 g
Analysis Date:	04/18/2013 0847	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1300				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.0582	J	0.291	0.3659	106	75 - 125	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Duplicate - Batch: 600-104163

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-29	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104163	Lab File ID:	fs041813.prn
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0845	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1300				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.0582	J	0.05842	0.3	20	J

Serial Dilution - Batch: 600-104163

Method: 7471A
Preparation: 7471A

Lab Sample ID:	600-71692-29	Analysis Batch:	600-104220	Instrument ID:	FIMS01
Client Matrix:	Solid	Prep Batch:	600-104163	Lab File ID:	fs041813.prn
Dilution:	5.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	04/18/2013 0956	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	04/17/2013 1300				
Leach Date:	N/A				

Analyte	Sample Result/Qual		Result	%Diff	Limit	Qual
Mercury	0.0582	J	0.08763	NC	10	J

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-71692-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/13/2013 8:11:00 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
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Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-71692-1rev

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/13/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104189, 104278, 104293- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			4
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				5
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104189, 104278, 104293- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?		X			6
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			7
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104189, 104278, 104293- ICP

ER #[1]	DESCRIPTION
1	Barium was detected above the MDL, but below the MQL in the prep blanks for batches 104189, 104278 and 104293. The levels of detection are below the recommended reporting limit and the appropriate flags have been applied.
2	The barium and lead recoveries in sample 71692-4 MS and the lead recoveries in samples 71692-11 MS and MSD were outside acceptance limits due to matrix interference. The barium, cadmium and selenium recoveries in sample 71692-7 MS and the barium and selenium recoveries in sample 71692-11 MSD were outside acceptance limits due to matrix interference. The cadmium and lead recoveries in sample 71692-20 MS and MSD were below acceptance limits due to matrix interference. The lead recovery in sample 71692-7 MS and MSD was outside acceptance limits, but was not flagged due to the background sample result being greater than four times the spike added concentration. Method performance is demonstrated by acceptable LCS recoveries.
3	The barium, selenium and lead RPDs between samples 71692-7 MS and MSD were above acceptance limits due to the non-homogenous nature of the samples.
4	The lead RPD between samples 71692-4 and 71692-4 MD, samples 71692-7 and 71692-7 MD and the arsenic and lead RPDs between samples 71692-11 and 71692-11 MD were above acceptance limits due to the non-homogenous nature of the samples. The barium and chromium RPDs between samples 71692-27 and 71692-27 MD were above acceptance limits due to the non-homogenous nature of the samples.
5	The copper SDL was elevated in sample 71692-28 due to the dilution necessary to bring this analyte to within linear dynamic range.
6	Selenium was detected above the MDL in the CCB analyzed on 04/19/13 at 10:15. Since the concentrations was below the MQL, no corrective action was required.
7	The barium recovery in sample 71692-4 PDS and the cadmium and chromium recoveries in sample 71692-7 PDS were below acceptance limits due to matrix interference. The barium, chromium and lead percent differences between samples 71692-7 and 71692-7 SD were above acceptance limits due to matrix interference. The chromium percent difference between samples 71692-27 and 71692-27 SD were above acceptance limits due to matrix interference.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104161, 104163- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104161, 104163- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?		X			2
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/22/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692
Reviewer Name: TWR	Prep Batch Number(s): 600-104161, 104163- Mercury

ER #[1]	DESCRIPTION
1	Mercury was detected above the MDL, but below the MQL in the prep blank for batch 104163. The level of detection is below the recommended reporting limit and the appropriate flags have been applied.
2	Mercury was detected above the MDL in the CCBs analyzed on 04/18/13 at 08:44 and 09:08. Since the concentrations were below the MQL, no corrective action was required.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: YX	Prep Batch Number: 600-104298, 104359(S) and 104326(W) -VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				3
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			4

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: YX	Prep Batch Number: 600-104298, 104359(S) and 104326(W) -VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: YX	Prep Batch Number: 600-104298, 104359(S) and 104326(W) -VOA

ER #[1]	DESCRIPTION
1	The laboratory control sample (LCS) for batch 600-104298 exceeded control limits for the following analyte: Tetrachloroethene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.
2	The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision associated with batches 600-104298 and 104359 were outside control limits. Matrix interference is suspected.
3	See Case Narrative.
4	The laboratory is not NELAC certified for Bromomethane.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71692
Reviewer Name: JOH	Prep Batch Number(s): 600-104245, 104246 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?		X			1
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			3
		Were MS/MSD RPDs within laboratory QC limits?		X			3
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				4
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
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Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71692
Reviewer Name: JOH	Prep Batch Number(s): 600-104245, 104246 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-71692
Reviewer Name: JOH	Prep Batch Number(s): 600-104245, 104246 - SV

ER #[1]	DESCRIPTION
1	Due to the level of dilution required for samples 600-71692-1, 8, 11, 15, 16, 17, 23, 26, 27, 28, 28MS/MSD, 29, 30, 31, 32 and 33; various surrogate recoveries are outside acceptance criteria.
2	The laboratory control sample (LCS) for batch 104245 exceeded control limits for the following analyte: 3-Nitroaniline. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.
3	The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for batches 104246 and 104245 were outside control limits. The sample matrix and non-homogeneity of the sample matrix is suspected. The associated laboratory control samples (LCSs) met acceptance criteria.
4	All of the SDLs in samples 600-71692-1, 8, 11, 12, 13, 14, 15, 16, 17, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32 and 33 were elevated due to the nature of the sample matrix.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 4/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104262-pest

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?		X			1
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?		X			2
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 4/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104262-pest

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?	X				
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S1	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S1	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S1	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S1	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S1	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S1	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S1	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 4/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104262-pest

ER #[1]	DESCRIPTION
1	Since Toxaphene and Chlordane are multi-component analytes, they were not included in the LCS/LCSD.
2	The %RPD of the laboratory control sample (LCS) and laboratory control standard duplicate (LCSD) for alpha-BHC exceeded control limits. Since both recoveries were within acceptance limits, no corrective action was required.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104280 - Herb

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?	X				
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
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5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104280 - Herb

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?	X				
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S1	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S1	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S1	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S1	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S1	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S1	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S1	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692
Reviewer Name: JL	Prep Batch Number(s): 600-104280 - Herb

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104188, 104215- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104188, 104215- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/19/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-71692-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104188, 104215- TX1005

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	8081A
Preparation:	3550
Date Analyzed:	1/2/2013
Date Prepared:	1/2/2013
TALs Batches:	600-96457/10-a
Units:	ug/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
alpha-BHC	1	0.833	1.08	1.7
gamma-BHC	0.93	0.833	1.15	1.7
beta-BHC	1.02	0.833	1.38	1.7
delta-BHC	0.85	0.833	0.822	1.7
Heptachlor	0.93	0.833	1.19	1.7
Aldrin	1.31	0.833	1.24	1.7
Heptachlor epoxide	1.17	0.833	1.19	1.7
gamma-Chlordane	1.25	0.833	1.09	1.7
alpha-Chlordane	1.59	0.833	1.18	1.7
4,4'-DDE	1.45	0.833	1.46	3.3
Endosulfan I	1	0.833	1.13	1.7
Dieldrin	1.39	0.833	1.25	3.3
Endrin	1.53	0.833	1.14	3.3
4,4'-DDD	1.62	0.833	1.26	3.3
Endosulfan II	1.68	0.833	1.24	1.7
4,4'-DDT	1.85	0.833	1.07	3.3
Endrin aldehyde	1.56	0.833	1.33	3.3
Methoxychlor	8.07	0.833	1.22	1.7
Endosulfan sulfate	1.68	0.833	1.26	3.3
Endrin ketone	1.54	0.833	1.26	3.3
Chlordane	1.5	2	81.04	33
Toxaphene	73.1	66	52.56	170

Detection Check Standard

Matrix:	Soil
Method:	8151A
Preparation:	8151A
Date Analyzed:	1/11/2013
Date Prepared:	1/11/2013
TALs Batches:	600-97119/3-a
Units:	ug/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Dalapon	15.98	2.67	2.41	20
Dicamba	0.46	0.267	3.73	4
MCPP	45.88	26.7	448.1	400
MCPA	64.99	26.7	429.3	400
Dichloroprop	0.45	0.267	6.23	4
2,4-D	0.34	0.267	4.02	4
2,4,5-TP (Silvex)	0.43	0.267	4.32	4
2,4,5-T	0.44	0.267	3.56	4
2,4-DB	0.66	0.267	7.52	4
Dinoseb (DNBP)	0.32	0.267	0.737	4

Detection Check Standard

Matrix: Solid
Method: 8260B
Preparation: Wei Shen
Date Analyzed: 2/14/2013
Date Prepared: 2/14/2013
TALs Batches: 99613
Units: ug/Kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Chloromethane	1.66	5	3.47	10
Vinyl Chloride	0.9	5	1.06	10
Bromomethane	1.78	5	0.922	10
Chloroethane	1.4	5	0	10
1,1-Dichloroethene	1.22	5	3.23	5
trans-1,2-Dichloroethene	1.14	5	3.72	5
Acetone	1.66	5	5.94	10
Methylene Chloride	2.19	5	4.55	10
Methyl tert-butyl ether	1.83	5	3.35	5
cis-1,2-Dichloroethene	0.83	5	4.54	5
2-Butanone (MEK)	1.9	5	11.1	10
Carbon Tetrachloride	1.13	5	3.43	5
Benzene	0.63	5	4.33	5
1,2-Dichloroethane	0.9	5	3.98	5
Trichloroethene	1.4	5	4.19	5
1,1,1-Trichloroethane	0.74	5	3.43	5
1,1-Dichloroethane	0.87	5	2.79	5
1,2-Dichloropropane	0.71	5	4.58	5
1,4-Dioxane	62.07	12.5	522	500
cis-1,3-Dichloropropene	0.54	5	4.5	5
4-Methyl-2-pentanone	1.47	5	10.3	10
Toluene	1.38	5	4.35	5
trans-1,3-Dichloropropene	0.58	5	3.78	5
1,1,2-Trichloroethane	0.73	5	4.88	5
Tetrachloroethene	1.4	5	3.84	5
2-Hexanone	1.01	5	9.16	10
Chlorodibromomethane	0.94	5	3.95	5
Chlorobenzene	0.96	5	4.64	5
Ethylbenzene	1.02	5	4.51	5
o-Xylene	1.13	5	4.64	5
Xylenes (total)	1.13	5	13.8	5
Styrene	0.71	5	4.45	5
Bromoform	1.37	5	4.54	5
1,1,2,2-Tetrachloroethane	0.87	5	5.75	5
1,3,5-Trimethylbenzene	1.6	5	3.92	5
1,2,4-Trimethylbenzene	0.92	5	4.18	5
sec-Butylbenzene	0.7	5	4.1	5
n-Butylbenzene	0.58	5	4.09	5
Naphthalene	2.37	5	33.05	10

Chloroform	5.74	5	3.75	5
1,2 Dichloroethene, Total	1.9	5	8.27	5
Carbon Disulfide	0.55	5	6.4	5
Dichlorobromomethane	0.66	5	4.3	5
m-Xylene & P-Xylene	1.52	5	9.19	10

Detection Check Standard

Matrix: Water
Method: 8260B_LL
Preparation: Wei Shen
Date Analyzed: 1/7/2013
Date Prepared: 1/7/2013
TALs Batches: 600-96768
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Chloromethane	0.18	0.5	0	2
Vinyl Chloride	0.11	0.5	0.461	2
Chloroethane	0.08	0.5	0.475	2
1,1-Dichloroethene	0.19	0.5	0.367	1
trans-1,2-Dichloroethene	0.09	0.5	0.506	1
Acetone	0.99	0.5	0	2
Carbon Disulfide	0.24	0.5	0.85	1
Methylene Chloride	0.15	0.5	0	1
Vinyl Acetate	0.21	0.5	0	1
cis-1,2-Dichloroethene	0.3	0.5	0.497	1
2-Butanone (MEK)	0.76	0.5	0	5
Bromochloromethane	0.18	0.5	0.459	1
Carbon Tetrachloride	0.15	0.5	2.45	5
Benzene	0.08	0.5	0.47	1
1,2-Dichloroethane	0.14	0.5	0.367	1
Trichloroethene	0.13	0.5	0.494	1
1,1,1-Trichloroethane	0.15	0.5	0.937	1
1,1-Dichloroethane	0.11	0.5	0.483	1
1,2-Dichloropropane	0.16	0.5	0.48	1
cis-1,3-Dichloropropene	0.18	0.5	0	1
4-Methyl-2-pentanone	0.45	0.5	0.861	2
Toluene	0.15	0.5	0.462	1
trans-1,3-Dichloropropene	0.21	0.5	0	1
1,1,2-Trichloroethane	0.28	0.5	0.41	1
Tetrachloroethene	0.18	0.5	0.477	1
2-Hexanone	0.35	0.5	0	
Chlorobenzene	0.12	0.5	0.502	1
Ethylbenzene	0.11	0.5	0.473	1
m,p-Xylene	0.17	0.5	0.844	2
o-Xylene	0.12	0.5	0.469	1
Xylenes (total)	0.26	0.5	1.31	3
Styrene	0.07	0.25	0.36	1
Bromoform	0.19	0.25	0	1
1,1,2,2-Tetrachloroethane	0.22	0.5	0	1
Chlorobromomethane	0.18	0.5	0.513	1
Chlorodibromomethane	0.15	0.5	1.08	1
Chloroform	0.13	0.5	0.505	1
Chloroform	0.16	0.5	0.392	1

Quality Control Report

Detection Check Standard

Matrix:	Soil
Method:	8270C LL
Preparation:	3550B
Date Analyzed:	1/7/2013
Date Prepared:	1/7/2013
Lab Sample ID:	600-96737/3-A
Units:	ug/Kg

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	3.52	83.5	26.97	16.67
N-Nitrosodimethylamine	4.19	8.35	7.960	16.67
bis (2-Chloroisopropyl) ether	8.84	8.35	8.390	16.67
Aniline	2.98	83.5	4.66	16.67
Phenol	4.24	8.35	5.661	16.67
bis(2-Chloroethyl)ether	1.65	8.35	8.591	16.67
2-Chlorophenol	1.97	8.35	6.460	16.67
1,3-Dichlorobenzene	1.54	8.35	7.825	16.67
1,4-Dichlorobenzene	2.25	8.35	10.422	16.67
1,2-Dichlorobenzene	3.02	8.35	10.622	16.67
Benzyl alcohol	5.83	8.35	5.461	16.67
2-Methylphenol (o-cresol)	3.23	8.35	6.860	16.67
3&4 Methylphenol (m&p-cresols)	2.79	8.35	3.296	16.67
N-Nitroso-di-n-propylamine	2.22	8.35	8.857	16.67
Hexachloroethane	2.31	8.35	9.423	16.67
Dibenzo(a,h)anthracene	3.63	8.35	31.102	16.67
Indeno(1,2,3-cd)pyrene	3.5	8.35	31.068	16.67
Nitrobenzene	2.96	8.35	8.857	16.67
Isophorone	1	8.35	7.425	16.67
2-Nitrophenol	3.86	8.35	16.150	16.67
Benzoic acid	32.76	167	323.34	16.67
2,4-Dimethylphenol	8.58	8.35	3.663	16.67
bis(2-Chloroethoxy)methane	1.42	8.35	7.925	16.67
2,4-Dichlorophenol	3.87	8.35	4.762	16.67
1,2,4-Trichlorobenzene	2.1	8.35	10.589	16.67
Naphthalene	1.35	8.35	7.725	16.67
Benzo(a)pyrene	1.61	8.35	11.288	16.67
Hexachlorobutadiene	1.92	8.35	9.723	16.67
4-Chloro-3-methylphenol	15.58	8.35	7.659	16.67
2-Methylnaphthalene	2.74	8.35	7.792	16.67
1-Methylnaphthalene	1.57	8.35	9.190	16.67
Benzo(k)fluoranthene	1.49	8.35	8.391	16.67
Hexachlorocyclopentadiene	4.61	8.35	10.656	16.67
2,4,6-Trichlorophenol	2.68	8.35	11.954	16.67
2,4,5-Trichlorophenol	10.01	8.35	15.417	16.67
2-Chloronaphthalene	1.21	8.35	7.359	16.67
2-Nitroaniline	4.89	8.35	23.576	16.67
1,4-Dinitrobenzene	16.67	8.35	30.103	16.67
1,3-Dinitrobenzene	2.96	8.35	23.576	16.67
1,2-Dinitrobenzene	16.67	8.35	17.082	16.67

Dimethylphthalate	4.89	8.35	7.992	16.67
Acenaphthylene	1	8.35	7.026	16.67
2,6-Dinitrotoluene	2.95	8.35	16.084	16.67
Benzo(b)fluoranthene	1.72	8.35	20.013	16.67
Acenaphthene	1.44	8.35	8.158	16.67
Di-n-octylphthalate	1.9	8.35	63.930	16.67
4-Nitrophenol	5.08	83.5	81.25	16.67
Dibenzofuran	1.78	8.35	8.025	16.67
2,4-Dinitrotoluene	3.61	8.35	14.552	16.67
2,3,4,6-Tetrachlorophenol	16.67	8.35	14.452	16.67
2,3,5,6-Tetrachlorophenol	16.67	8.35	13.486	16.67
Diethylphthalate	8.43	8.35	19.147	16.67
4-Chlorophenyl-phenylether	1.8	8.35	9.091	16.67
Fluorene	2.36	8.35	9.057	16.67
4-Nitroaniline	11.15	16.7	35.630	16.67
Chrysene	1.02	8.35	9.257	16.67
4,6-Dinitro-2-methylphenol	4.98	83.5	39.96	16.67
N-Nitrosodiphenylamine	1.98	83.5	5.33	16.67
Diphenylamine	1.94	83.5	5.33	16.67
1,2-Diphenylhydrazine	1.62	8.35	6.093	16.67
Azobenzene	1.85	8.35	6.626	16.67
4-Bromophenyl-phenylether	2.84	8.35	8.691	16.67
Hexachlorobenzene	1.52	16.7	16.680	16.67
Pentachlorophenol	4	8.35	55.944	16.67
Phenanthrene	4.95	8.35	8.558	16.67
Anthracene	1.28	8.35	6.826	16.67
Carbazole	3.12	8.35	6.027	16.67
Di-n-butylphthalate	2.59	8.35	19.580	16.67
Fluoranthene	3.11	8.35	7.958	16.67
Benzidine	9.02	16.7		16.67
Pyrene	1.83	8.35	8.857	16.67
Butylbenzylphthalate	6.19	8.35	28.338	16.67
3,3'-Dichlorobenzidine	10.16	8.35		16.67
Benzo(a)anthracene	1.38	8.35	9.257	16.67
bis(2-Ethylhexyl)phthalate	5.37	8.35	34.632	16.67
Benzo(g,h,i)perylene	5.07	8.35	15.318	16.67
4-Chloroaniline	5.82	8.35	2.630	16.67
3-Nitroaniline	7.15	8.35	19.913	16.67
2,4-Dinitrophenol	16.67	8.35		16.67

Detection Check Standard

Matrix: Soil
Method: TX1005
Preparation: RV
Date Analyzed: 1/3/2013
Date Prepared: 1/3/2013
Data File: FID-12.I\010313B.b\B0103004.D
Units: ug/Kg

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	3.8	10	19.1384	10
>C12-C28	4.06	10	20.3253	10
Total C6-C35	7.48	20	39.4637	10

Detection Check Standard

Matrix:	Soil
Method:	7471
Preparation:	7471p
Date Analyzed:	2/14/2013
Date Prepared:	2/13/2013
Instrument:	FIMS100
TALS Batches:	99546, 99447p
Prep/Reagent Factor =	83.33
Units:	ug/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Mercury	3.58	8.33	8.75	50

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-71692-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-71692-1

Comments
The report was revised on 05/13/13 to update SV checklist and clear narrative comments.

Receipt
The samples were received on 4/17/2013 8:43 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.5º C and 3.6º C.

GC/MS VOA
Method(s) 8260B: Methylene chloride was detected above the reporting limit in sample 600-71692-4. This analyte is a recognized potential laboratory contaminant.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
8081A	Organochlorine Pesticides (GC)	SW846	TAL HOU
8151A	Herbicides (GC)	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7471A	Mercury (CVAA)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-71692-1	TP-9 1'	Solid	04/15/13 09:15	04/17/13 08:43
600-71692-2	TP-9 5'	Solid	04/15/13 09:35	04/17/13 08:43
600-71692-3	TP-8 1'	Solid	04/15/13 10:00	04/17/13 08:43
600-71692-4	TP-8 3'	Solid	04/15/13 10:10	04/17/13 08:43
600-71692-5	TP-8 5'	Solid	04/15/13 10:20	04/17/13 08:43
600-71692-6	TP-4 5' Dup	Solid	04/15/13 09:35	04/17/13 08:43
600-71692-7	TP-7 1'	Solid	04/15/13 10:45	04/17/13 08:43
600-71692-8	TP-7 2'	Solid	04/15/13 11:00	04/17/13 08:43
600-71692-9	TP-7 3'	Solid	04/15/13 10:55	04/17/13 08:43
600-71692-10	TP-6 1'	Solid	04/15/13 11:10	04/17/13 08:43
600-71692-11	TP-6 2.5'	Solid	04/15/13 11:30	04/17/13 08:43
600-71692-12	TP-6 3.5	Solid	04/15/13 11:35	04/17/13 08:43
600-71692-13	TP-6 3.5' Dup	Solid	04/15/13 11:35	04/17/13 08:43
600-71692-14	TP-5 3'	Solid	04/15/13 12:05	04/17/13 08:43
600-71692-15	TP-1 1'	Solid	04/15/13 14:05	04/17/13 08:43
600-71692-16	TP-1 2'	Solid	04/15/13 14:10	04/17/13 08:43
600-71692-17	TP-5 1'	Solid	04/15/13 12:00	04/17/13 08:43
600-71692-18	TP-2 1'	Solid	04/15/13 14:35	04/17/13 08:43
600-71692-19	TP-3 1.5'	Solid	04/15/13 14:45	04/17/13 08:43
600-71692-20	TP-3 0.5'	Solid	04/15/13 15:00	04/17/13 08:43
600-71692-21	TP-4 0.5'	Solid	04/15/13 15:05	04/17/13 08:43
600-71692-22	TP-4 1.5'	Solid	04/15/13 15:10	04/17/13 08:43
600-71692-23	TP-10 1'	Solid	04/15/13 15:50	04/17/13 08:43
600-71692-24	TP-11 1'	Solid	04/15/13 16:00	04/17/13 08:43
600-71692-25	TP-11 1' Dup	Solid	04/15/13 16:00	04/17/13 08:43
600-71692-26	TP-12 1'	Solid	04/15/13 16:15	04/17/13 08:43
600-71692-27	TP-13 1'	Solid	04/15/13 16:20	04/17/13 08:43
600-71692-28	CF-1	Solid	04/16/13 08:15	04/17/13 08:43
600-71692-29	CF-1 Dup	Solid	04/16/13 08:15	04/17/13 08:43
600-71692-30	CF-2	Solid	04/16/13 08:30	04/17/13 08:43
600-71692-31	CF-3	Solid	04/16/13 08:40	04/17/13 08:43
600-71692-32	CF-4	Solid	04/16/13 08:55	04/17/13 08:43
600-71692-33	Cistern	Solid	04/16/13 09:50	04/17/13 08:43
600-71692-34	TB-1	Water	04/15/13 00:00	04/17/13 08:43
600-71692-35	TB-2	Water	04/15/13 00:00	04/17/13 08:43

Client Sample ID: TP-9 1'
Date Collected: 04/15/13 09:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-1
Matrix: Solid
Percent Solids: 91.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00182	U	0.0110	0.00182	mg/Kg	☼		04/18/13 12:06	1
Benzene	0.000693	U	0.00550	0.000693	mg/Kg	☼		04/18/13 12:06	1
Chlorobromomethane	0.00196	U	0.00550	0.00196	mg/Kg	☼		04/18/13 12:06	1
Bromoform	0.00151	U	0.00550	0.00151	mg/Kg	☼		04/18/13 12:06	1
Bromomethane	0.000912	U	0.0110	0.000912	mg/Kg	☼		04/18/13 12:06	1
2-Butanone (MEK)	0.00209	U	0.0110	0.00209	mg/Kg	☼		04/18/13 12:06	1
Carbon disulfide	0.000605	U	0.0110	0.000605	mg/Kg	☼		04/18/13 12:06	1
Carbon tetrachloride	0.00124	U	0.00550	0.00124	mg/Kg	☼		04/18/13 12:06	1
Dibromochloromethane	0.00103	U	0.00550	0.00103	mg/Kg	☼		04/18/13 12:06	1
Chlorobenzene	0.00106	U	0.00550	0.00106	mg/Kg	☼		04/18/13 12:06	1
Chloroethane	0.00154	U	0.0110	0.00154	mg/Kg	☼		04/18/13 12:06	1
Chloroform	0.000726	U	0.00550	0.000726	mg/Kg	☼		04/18/13 12:06	1
Chloromethane	0.00182	U	0.0110	0.00182	mg/Kg	☼		04/18/13 12:06	1
1,1-Dichloroethane	0.000956	U	0.00550	0.000956	mg/Kg	☼		04/18/13 12:06	1
1,2-Dichloroethane	0.000989	U	0.00550	0.000989	mg/Kg	☼		04/18/13 12:06	1
1,1-Dichloroethene	0.00134	U	0.00550	0.00134	mg/Kg	☼		04/18/13 12:06	1
cis-1,2-Dichloroethene	0.000912	U	0.00550	0.000912	mg/Kg	☼		04/18/13 12:06	1
trans-1,2-Dichloroethene	0.00125	U	0.00550	0.00125	mg/Kg	☼		04/18/13 12:06	1
1,2-Dichloropropane	0.000780	U	0.00550	0.000780	mg/Kg	☼		04/18/13 12:06	1
cis-1,3-Dichloropropene	0.000594	U	0.00550	0.000594	mg/Kg	☼		04/18/13 12:06	1
trans-1,3-Dichloropropene	0.000638	U	0.00550	0.000638	mg/Kg	☼		04/18/13 12:06	1
Ethylbenzene	0.00112	U	0.00550	0.00112	mg/Kg	☼		04/18/13 12:06	1
2-Hexanone	0.00111	U	0.0110	0.00111	mg/Kg	☼		04/18/13 12:06	1
Methylene Chloride	**0.00298**	**J**	0.0110	0.00241	mg/Kg	☼		04/18/13 12:06	1
4-Methyl-2-pentanone (MIBK)	0.00162	U	0.0110	0.00162	mg/Kg	☼		04/18/13 12:06	1
Styrene	0.000780	U	0.00550	0.000780	mg/Kg	☼		04/18/13 12:06	1
1,1,2,2-Tetrachloroethane	0.000956	U	0.00550	0.000956	mg/Kg	☼		04/18/13 12:06	1
Tetrachloroethene	0.000780	U *	0.00550	0.000780	mg/Kg	☼		04/18/13 12:06	1
Toluene	0.00152	U	0.00550	0.00152	mg/Kg	☼		04/18/13 12:06	1
1,1,1-Trichloroethane	0.000813	U	0.00550	0.000813	mg/Kg	☼		04/18/13 12:06	1
1,1,2-Trichloroethane	0.000802	U	0.00550	0.000802	mg/Kg	☼		04/18/13 12:06	1
Trichloroethene	0.00154	U	0.00550	0.00154	mg/Kg	☼		04/18/13 12:06	1
Vinyl acetate	0.00102	U	0.00550	0.00102	mg/Kg	☼		04/18/13 12:06	1
Vinyl chloride	0.000989	U	0.0110	0.000989	mg/Kg	☼		04/18/13 12:06	1
o-Xylene	0.00124	U	0.00550	0.00124	mg/Kg	☼		04/18/13 12:06	1
m-Xylene & p-Xylene	0.00167	U	0.0110	0.00167	mg/Kg	☼		04/18/13 12:06	1
Xylenes, Total	0.00124	U	0.00550	0.00124	mg/Kg	☼		04/18/13 12:06	1
Bromodichloromethane	0.000726	U	0.00550	0.000726	mg/Kg	☼		04/18/13 12:06	1
1,2-Dichloroethene, Total	0.00209	U	0.0110	0.00209	mg/Kg	☼		04/18/13 12:06	1
Methyl tert-butyl ether	0.00201	U	0.00550	0.00201	mg/Kg	☼		04/18/13 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*50 - 130*		*04/18/13 12:06*	*1*
Dibromofluoromethane	*92*		*68 - 140*		*04/18/13 12:06*	*1*
4-Bromofluorobenzene	*111*		*57 - 140*		*04/18/13 12:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*61 - 130*		*04/18/13 12:06*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0158	U	0.183	0.0158	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10

Client Sample ID: TP-9 1'
Date Collected: 04/15/13 09:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-1
Matrix: Solid
Percent Solids: 91.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0110	U	0.183	0.0110	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Anthracene	0.0140	U	0.183	0.0140	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzidine	0.0990	U	0.914	0.0990	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzo[a]anthracene	0.0151	U	0.183	0.0151	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzo[b]fluoranthene	0.0189	U	0.183	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzo[k]fluoranthene	0.0163	U	0.183	0.0163	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzo[g,h,i]perylene	0.0556	U	0.183	0.0556	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Benzo[a]pyrene	0.0177	U	0.183	0.0177	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Bis(2-chloroethoxy)methane	0.0156	U	0.183	0.0156	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Bis(2-chloroethyl)ether	0.0181	U	0.183	0.0181	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Bis(2-ethylhexyl) phthalate	0.0589	U	0.732	0.0589	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Bromophenyl phenyl ether	0.0312	U	0.183	0.0312	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Butyl benzyl phthalate	0.0679	U	0.732	0.0679	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Chloroaniline	0.0639	U	0.183	0.0639	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Chloronaphthalene	0.0133	U	0.183	0.0133	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Chlorophenyl phenyl ether	0.0197	U	0.183	0.0197	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Carbazole	0.0342	U	0.183	0.0342	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Chrysene	0.0112	U	0.183	0.0112	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Di-n-butyl phthalate	0.0284	U	0.732	0.0284	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Dibenz(a,h)anthracene	0.0398	U	0.183	0.0398	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Dibenzofuran	0.0195	U	0.183	0.0195	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
1,2-Dichlorobenzene	0.0331	U	0.183	0.0331	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
1,3-Dichlorobenzene	0.0169	U	0.183	0.0169	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
1,4-Dichlorobenzene	0.0247	U	0.183	0.0247	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
3,3'-Dichlorobenzidine	0.111	U	0.183	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Diethyl phthalate	0.0925	U	0.732	0.0925	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Dimethyl phthalate	0.0536	U	0.732	0.0536	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4-Dinitrotoluene	0.0396	U	0.183	0.0396	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Di-n-octyl phthalate	0.0208	U	0.732	0.0208	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Fluoranthene	0.0341	U	0.183	0.0341	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Fluorene	0.0259	U	0.183	0.0259	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Hexachlorobenzene	0.0167	U	0.183	0.0167	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Hexachlorocyclopentadiene	0.0506	U	0.183	0.0506	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Hexachloroethane	0.0253	U	0.183	0.0253	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Hexachlorobutadiene	0.0211	U	0.183	0.0211	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Indeno[1,2,3-cd]pyrene	0.0384	U	0.183	0.0384	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Isophorone	0.0110	U	0.183	0.0110	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Methylnaphthalene	0.0301	U	0.183	0.0301	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Naphthalene	0.0148	U	0.183	0.0148	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Nitroaniline	0.0536	U	0.183	0.0536	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
3-Nitroaniline	0.0784	U *	0.183	0.0784	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Nitroaniline	0.122	U	0.183	0.122	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Nitrobenzene	0.0325	U	0.183	0.0325	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
N-Nitrosodimethylamine	0.0460	U	0.183	0.0460	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
N-Nitrosodiphenylamine	0.0207	U	0.183	0.0207	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
N-Nitrosodi-n-propylamine	0.0244	U	0.183	0.0244	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Phenanthrene	0.0543	U	0.183	0.0543	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Pyrene	0.0201	U	0.183	0.0201	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
1,2,4-Trichlorobenzene	0.0230	U	0.183	0.0230	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10

Client Sample ID: TP-9 1'
Date Collected: 04/15/13 09:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-1
Matrix: Solid
Percent Solids: 91.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.0640	U	0.183	0.0640	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Chloro-3-methylphenol	0.171	U	0.183	0.171	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Chlorophenol	0.0216	U	0.183	0.0216	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Methylphenol	0.0354	U	0.183	0.0354	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
3 & 4 Methylphenol	0.0306	U	0.366	0.0306	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4-Dichlorophenol	0.0425	U	0.183	0.0425	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4-Dimethylphenol	0.0941	U	0.183	0.0941	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4,6-Dinitro-2-methylphenol	0.0546	U	0.183	0.0546	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4-Dinitrophenol	0.0518	U	1.10	0.0518	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2-Nitrophenol	0.0427	U	0.183	0.0427	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
4-Nitrophenol	0.0557	U	0.183	0.0557	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Pentachlorophenol	0.0439	U	1.83	0.0439	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
Phenol	0.0465	U	0.183	0.0465	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4,5-Trichlorophenol	0.110	U	0.183	0.110	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,4,6-Trichlorophenol	0.0294	U	0.183	0.0294	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
2,6-Dinitrotoluene	0.0324	U	0.183	0.0324	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10
bis (2-Chloroisopropyl) ether	0.0970	U	0.183	0.0970	mg/Kg	☼	04/18/13 11:47	04/19/13 17:15	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*61*		*43 - 125*	*04/18/13 11:47*	*04/19/13 17:15*	*10*
Terphenyl-d14	*84*		*56 - 123*	*04/18/13 11:47*	*04/19/13 17:15*	*10*
Nitrobenzene-d5	*68*		*34 - 118*	*04/18/13 11:47*	*04/19/13 17:15*	*10*
2-Fluorophenol	*68*		*41 - 122*	*04/18/13 11:47*	*04/19/13 17:15*	*10*
2-Fluorobiphenyl	*19*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 17:15*	*10*
2,4,6-Tribromophenol	*69*		*34 - 122*	*04/18/13 11:47*	*04/19/13 17:15*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.16	U	10.9	4.16	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
>C12-C28	**43.8**		10.9	4.44	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
>C28-C35	**15.8**		10.9	4.44	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
C6-C35	**59.7**		10.9	8.18	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*114*		*70 - 130*	*04/17/13 15:21*	*04/18/13 21:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**93.7**		0.509	0.107	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
Cr	**13.5**		0.509	0.0515	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
Cd	**0.443**		0.254	0.0261	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
Ba	**82.2**	**b**	1.02	0.0305	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
As	**15.1**		1.02	0.222	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
Ag	0.121	U	0.509	0.121	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1
Se	**0.692**	**J**	2.04	0.264	mg/Kg	☼	04/17/13 15:26	04/18/13 13:31	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0131**	**J**	0.0550	0.00394	mg/Kg	☼	04/17/13 12:36	04/18/13 07:38	1

Client Sample ID: TP-9 1'
Date Collected: 04/15/13 09:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-1
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.0		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	91		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-9 5'
Date Collected: 04/15/13 09:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-2
Matrix: Solid
Percent Solids: 88.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00189	U	0.0114	0.00189	mg/Kg	☼		04/18/13 12:30	1
Benzene	0.000716	U	0.00568	0.000716	mg/Kg	☼		04/18/13 12:30	1
Chlorobromomethane	0.00202	U	0.00568	0.00202	mg/Kg	☼		04/18/13 12:30	1
Bromoform	0.00156	U	0.00568	0.00156	mg/Kg	☼		04/18/13 12:30	1
Bromomethane	0.000943	U	0.0114	0.000943	mg/Kg	☼		04/18/13 12:30	1
2-Butanone (MEK)	0.00216	U	0.0114	0.00216	mg/Kg	☼		04/18/13 12:30	1
Carbon disulfide	0.000625	U	0.0114	0.000625	mg/Kg	☼		04/18/13 12:30	1
Carbon tetrachloride	0.00128	U	0.00568	0.00128	mg/Kg	☼		04/18/13 12:30	1
Dibromochloromethane	0.00107	U	0.00568	0.00107	mg/Kg	☼		04/18/13 12:30	1
Chlorobenzene	0.00109	U	0.00568	0.00109	mg/Kg	☼		04/18/13 12:30	1
Chloroethane	0.00159	U	0.0114	0.00159	mg/Kg	☼		04/18/13 12:30	1
Chloroform	0.000750	U	0.00568	0.000750	mg/Kg	☼		04/18/13 12:30	1
Chloromethane	0.00189	U	0.0114	0.00189	mg/Kg	☼		04/18/13 12:30	1
1,1-Dichloroethane	0.000989	U	0.00568	0.000989	mg/Kg	☼		04/18/13 12:30	1
1,2-Dichloroethane	0.00102	U	0.00568	0.00102	mg/Kg	☼		04/18/13 12:30	1
1,1-Dichloroethene	0.00139	U	0.00568	0.00139	mg/Kg	☼		04/18/13 12:30	1
cis-1,2-Dichloroethene	0.000943	U	0.00568	0.000943	mg/Kg	☼		04/18/13 12:30	1
trans-1,2-Dichloroethene	0.00130	U	0.00568	0.00130	mg/Kg	☼		04/18/13 12:30	1
1,2-Dichloropropane	0.000807	U	0.00568	0.000807	mg/Kg	☼		04/18/13 12:30	1
cis-1,3-Dichloropropene	0.000614	U	0.00568	0.000614	mg/Kg	☼		04/18/13 12:30	1
trans-1,3-Dichloropropene	0.000659	U	0.00568	0.000659	mg/Kg	☼		04/18/13 12:30	1
Ethylbenzene	0.00116	U	0.00568	0.00116	mg/Kg	☼		04/18/13 12:30	1
2-Hexanone	0.00115	U	0.0114	0.00115	mg/Kg	☼		04/18/13 12:30	1
Methylene Chloride	0.00351	J	0.0114	0.00249	mg/Kg	☼		04/18/13 12:30	1
4-Methyl-2-pentanone (MIBK)	0.00167	U	0.0114	0.00167	mg/Kg	☼		04/18/13 12:30	1
Styrene	0.000807	U	0.00568	0.000807	mg/Kg	☼		04/18/13 12:30	1
1,1,2,2-Tetrachloroethane	0.000989	U	0.00568	0.000989	mg/Kg	☼		04/18/13 12:30	1
Tetrachloroethene	0.000807	U *	0.00568	0.000807	mg/Kg	☼		04/18/13 12:30	1
Toluene	0.00157	U	0.00568	0.00157	mg/Kg	☼		04/18/13 12:30	1
1,1,1-Trichloroethane	0.000841	U	0.00568	0.000841	mg/Kg	☼		04/18/13 12:30	1
1,1,2-Trichloroethane	0.000830	U	0.00568	0.000830	mg/Kg	☼		04/18/13 12:30	1
Trichloroethene	0.00159	U	0.00568	0.00159	mg/Kg	☼		04/18/13 12:30	1
Vinyl acetate	0.00106	U	0.00568	0.00106	mg/Kg	☼		04/18/13 12:30	1
Vinyl chloride	0.00102	U	0.0114	0.00102	mg/Kg	☼		04/18/13 12:30	1
o-Xylene	0.00128	U	0.00568	0.00128	mg/Kg	☼		04/18/13 12:30	1
m-Xylene & p-Xylene	0.00173	U	0.0114	0.00173	mg/Kg	☼		04/18/13 12:30	1
Xylenes, Total	0.00128	U	0.00568	0.00128	mg/Kg	☼		04/18/13 12:30	1
Bromodichloromethane	0.000750	U	0.00568	0.000750	mg/Kg	☼		04/18/13 12:30	1
1,2-Dichloroethene, Total	0.00216	U	0.0114	0.00216	mg/Kg	☼		04/18/13 12:30	1
Methyl tert-butyl ether	0.00208	U	0.00568	0.00208	mg/Kg	☼		04/18/13 12:30	1

Client Sample ID: TP-9 5'
Lab Sample ID: 600-71692-2
Date Collected: 04/15/13 09:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 88.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		50 - 130		04/18/13 12:30	1
Dibromofluoromethane	95		68 - 140		04/18/13 12:30	1
4-Bromofluorobenzene	118		57 - 140		04/18/13 12:30	1
1,2-Dichloroethane-d4 (Surr)	86		61 - 130		04/18/13 12:30	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00164	U	0.0189	0.00164	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Acenaphthylene	0.00114	U	0.0189	0.00114	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Anthracene	**0.00681**	**J**	0.0189	0.00145	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzidine	0.0102	U	0.0946	0.0102	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzo[a]anthracene	0.00157	U	0.0189	0.00157	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzo[b]fluoranthene	**0.00847**	**J**	0.0189	0.00195	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzo[k]fluoranthene	0.00169	U	0.0189	0.00169	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzo[g,h,i]perylene	0.00576	U	0.0189	0.00576	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzo[a]pyrene	**0.00490**	**J**	0.0189	0.00183	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Bis(2-chloroethoxy)methane	0.00161	U	0.0189	0.00161	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Bis(2-chloroethyl)ether	0.00187	U	0.0189	0.00187	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Bis(2-ethylhexyl) phthalate	0.00610	U	0.0757	0.00610	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Bromophenyl phenyl ether	0.00323	U	0.0189	0.00323	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Butyl benzyl phthalate	0.00703	U	0.0757	0.00703	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Chloroaniline	0.00661	U	0.0189	0.00661	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Chloronaphthalene	0.00137	U	0.0189	0.00137	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Chlorophenyl phenyl ether	0.00204	U	0.0189	0.00204	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Carbazole	0.00354	U	0.0189	0.00354	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Chrysene	0.00116	U	0.0189	0.00116	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Di-n-butyl phthalate	**0.00994**	**J**	0.0757	0.00294	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Dibenz(a,h)anthracene	0.00412	U	0.0189	0.00412	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Dibenzofuran	0.00202	U	0.0189	0.00202	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
1,2-Dichlorobenzene	0.00343	U	0.0189	0.00343	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
1,3-Dichlorobenzene	0.00175	U	0.0189	0.00175	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
1,4-Dichlorobenzene	0.00256	U	0.0189	0.00256	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
3,3'-Dichlorobenzidine	0.0115	U	0.0189	0.0115	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Diethyl phthalate	0.00957	U	0.0757	0.00957	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Dimethyl phthalate	0.00555	U	0.0757	0.00555	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4-Dinitrotoluene	0.00410	U	0.0189	0.00410	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Di-n-octyl phthalate	0.00216	U	0.0757	0.00216	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Fluoranthene	0.00353	U	0.0189	0.00353	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Fluorene	0.00268	U	0.0189	0.00268	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Hexachlorobenzene	0.00173	U	0.0189	0.00173	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Hexachlorocyclopentadiene	0.00524	U	0.0189	0.00524	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Hexachloroethane	0.00262	U	0.0189	0.00262	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Hexachlorobutadiene	0.00218	U	0.0189	0.00218	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Indeno[1,2,3-cd]pyrene	0.00398	U	0.0189	0.00398	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Isophorone	0.00114	U	0.0189	0.00114	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Methylnaphthalene	0.00311	U	0.0189	0.00311	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Naphthalene	0.00153	U	0.0189	0.00153	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Nitroaniline	0.00555	U	0.0189	0.00555	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
3-Nitroaniline	0.00812	U *	0.0189	0.00812	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Nitroaniline	0.0127	U	0.0189	0.0127	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1

Client Sample ID: TP-9 5'
Date Collected: 04/15/13 09:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-2
Matrix: Solid
Percent Solids: 88.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.00336	U	0.0189	0.00336	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
N-Nitrosodimethylamine	0.00476	U	0.0189	0.00476	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
N-Nitrosodiphenylamine	0.00215	U	0.0189	0.00215	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
N-Nitrosodi-n-propylamine	0.00252	U	0.0189	0.00252	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Phenanthrene	0.00562	U	0.0189	0.00562	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Pyrene	**0.00990**	**J**	0.0189	0.00208	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
1,2,4-Trichlorobenzene	0.00239	U	0.0189	0.00239	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Benzyl alcohol	0.00662	U	0.0189	0.00662	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Chloro-3-methylphenol	0.0177	U	0.0189	0.0177	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Chlorophenol	0.00224	U	0.0189	0.00224	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Methylphenol	0.00367	U	0.0189	0.00367	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
3 & 4 Methylphenol	0.00317	U	0.0379	0.00317	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4-Dichlorophenol	0.00440	U	0.0189	0.00440	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4-Dimethylphenol	0.00975	U	0.0189	0.00975	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4,6-Dinitro-2-methylphenol	0.00566	U	0.0189	0.00566	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4-Dinitrophenol	0.00536	U	0.114	0.00536	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2-Nitrophenol	0.00442	U	0.0189	0.00442	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
4-Nitrophenol	0.00577	U	0.0189	0.00577	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Pentachlorophenol	0.00454	U	0.190	0.00454	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
Phenol	0.00482	U	0.0189	0.00482	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4,5-Trichlorophenol	0.0114	U	0.0189	0.0114	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,4,6-Trichlorophenol	0.00304	U	0.0189	0.00304	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
2,6-Dinitrotoluene	0.00335	U	0.0189	0.00335	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1
bis (2-Chloroisopropyl) ether	0.0100	U	0.0189	0.0100	mg/Kg	☼	04/18/13 11:47	04/18/13 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*75*		*43 - 125*	*04/18/13 11:47*	*04/18/13 22:56*	*1*
Terphenyl-d14	*98*		*56 - 123*	*04/18/13 11:47*	*04/18/13 22:56*	*1*
Nitrobenzene-d5	*74*		*34 - 118*	*04/18/13 11:47*	*04/18/13 22:56*	*1*
2-Fluorophenol	*76*		*41 - 122*	*04/18/13 11:47*	*04/18/13 22:56*	*1*
2-Fluorobiphenyl	*93*		*51 - 120*	*04/18/13 11:47*	*04/18/13 22:56*	*1*
2,4,6-Tribromophenol	*87*		*34 - 122*	*04/18/13 11:47*	*04/18/13 22:56*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.31	U	11.3	4.31	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
>C12-C28	4.61	U	11.3	4.61	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
>C28-C35	4.61	U	11.3	4.61	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
C6-C35	8.48	U	11.3	8.48	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*70 - 130*	*04/17/13 15:21*	*04/18/13 22:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**331**		0.521	0.109	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1
Cr	**15.2**		0.521	0.0528	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1
Cd	**0.193**	**J**	0.261	0.0267	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1
Ba	**90.9**	**b**	1.04	0.0313	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1
As	**19.9**		1.04	0.227	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1

Client Sample ID: TP-9 5'
Lab Sample ID: 600-71692-2
Date Collected: 04/15/13 09:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 88.0

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ag	0.124	U	0.521	0.124	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1
Se	**0.401**	**J**	2.09	0.270	mg/Kg	☼	04/17/13 15:26	04/18/13 13:34	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0200**	**J**	0.0541	0.00388	mg/Kg	☼	04/17/13 12:36	04/18/13 07:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**12**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**88**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-8 1'
Lab Sample ID: 600-71692-3
Date Collected: 04/15/13 10:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.135**	**J**	0.335	0.0343	mg/Kg	☼	04/18/13 14:41	04/19/13 09:40	1
Lead	**51.1**		0.669	0.140	mg/Kg	☼	04/18/13 14:41	04/19/13 09:40	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**31**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**69**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-8 3'
Lab Sample ID: 600-71692-4
Date Collected: 04/15/13 10:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.4

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00226	U	0.0136	0.00226	mg/Kg	☼		04/19/13 12:40	1
Benzene	0.000859	U	0.00681	0.000859	mg/Kg	☼		04/19/13 12:40	1
Chlorobromomethane	0.00243	U	0.00681	0.00243	mg/Kg	☼		04/19/13 12:40	1
Bromoform	0.00187	U	0.00681	0.00187	mg/Kg	☼		04/19/13 12:40	1
Bromomethane	0.00113	U	0.0136	0.00113	mg/Kg	☼		04/19/13 12:40	1
2-Butanone (MEK)	0.00259	U	0.0136	0.00259	mg/Kg	☼		04/19/13 12:40	1
Carbon disulfide	0.000750	U	0.0136	0.000750	mg/Kg	☼		04/19/13 12:40	1
Carbon tetrachloride	0.00154	U	0.00681	0.00154	mg/Kg	☼		04/19/13 12:40	1
Dibromochloromethane	0.00128	U	0.00681	0.00128	mg/Kg	☼		04/19/13 12:40	1
Chlorobenzene	0.00131	U	0.00681	0.00131	mg/Kg	☼		04/19/13 12:40	1
Chloroethane	0.00191	U	0.0136	0.00191	mg/Kg	☼		04/19/13 12:40	1
Chloroform	0.000900	U	0.00681	0.000900	mg/Kg	☼		04/19/13 12:40	1
Chloromethane	0.00226	U	0.0136	0.00226	mg/Kg	☼		04/19/13 12:40	1
1,1-Dichloroethane	0.00119	U	0.00681	0.00119	mg/Kg	☼		04/19/13 12:40	1
1,2-Dichloroethane	0.00123	U	0.00681	0.00123	mg/Kg	☼		04/19/13 12:40	1
1,1-Dichloroethene	0.00166	U	0.00681	0.00166	mg/Kg	☼		04/19/13 12:40	1
cis-1,2-Dichloroethene	0.00113	U	0.00681	0.00113	mg/Kg	☼		04/19/13 12:40	1
trans-1,2-Dichloroethene	0.00155	U	0.00681	0.00155	mg/Kg	☼		04/19/13 12:40	1
1,2-Dichloropropane	0.000968	U	0.00681	0.000968	mg/Kg	☼		04/19/13 12:40	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-8 3'
Date Collected: 04/15/13 10:10
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-4
Matrix: Solid
Percent Solids: 73.4

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.000736	U	0.00681	0.000736	mg/Kg	☼		04/19/13 12:40	1
trans-1,3-Dichloropropene	0.000791	U	0.00681	0.000791	mg/Kg	☼		04/19/13 12:40	1
Ethylbenzene	0.00139	U	0.00681	0.00139	mg/Kg	☼		04/19/13 12:40	1
2-Hexanone	0.00138	U	0.0136	0.00138	mg/Kg	☼		04/19/13 12:40	1
Methylene Chloride	**0.0247**		0.0136	0.00298	mg/Kg	☼		04/19/13 12:40	1
4-Methyl-2-pentanone (MIBK)	0.00200	U	0.0136	0.00200	mg/Kg	☼		04/19/13 12:40	1
Styrene	0.000968	U	0.00681	0.000968	mg/Kg	☼		04/19/13 12:40	1
1,1,2,2-Tetrachloroethane	0.00119	U	0.00681	0.00119	mg/Kg	☼		04/19/13 12:40	1
Tetrachloroethene	0.000968	U	0.00681	0.000968	mg/Kg	☼		04/19/13 12:40	1
Toluene	0.00188	U	0.00681	0.00188	mg/Kg	☼		04/19/13 12:40	1
1,1,1-Trichloroethane	0.00101	U	0.00681	0.00101	mg/Kg	☼		04/19/13 12:40	1
1,1,2-Trichloroethane	0.000995	U	0.00681	0.000995	mg/Kg	☼		04/19/13 12:40	1
Trichloroethene	0.00191	U	0.00681	0.00191	mg/Kg	☼		04/19/13 12:40	1
Vinyl acetate	0.00127	U	0.00681	0.00127	mg/Kg	☼		04/19/13 12:40	1
Vinyl chloride	0.00123	U	0.0136	0.00123	mg/Kg	☼		04/19/13 12:40	1
o-Xylene	0.00154	U	0.00681	0.00154	mg/Kg	☼		04/19/13 12:40	1
m-Xylene & p-Xylene	0.00207	U	0.0136	0.00207	mg/Kg	☼		04/19/13 12:40	1
Xylenes, Total	0.00154	U	0.00681	0.00154	mg/Kg	☼		04/19/13 12:40	1
Bromodichloromethane	0.000900	U	0.00681	0.000900	mg/Kg	☼		04/19/13 12:40	1
1,2-Dichloroethene, Total	0.00259	U	0.0136	0.00259	mg/Kg	☼		04/19/13 12:40	1
Methyl tert-butyl ether	0.00249	U	0.00681	0.00249	mg/Kg	☼		04/19/13 12:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*50 - 130*		*04/19/13 12:40*	*1*
Dibromofluoromethane	*98*		*68 - 140*		*04/19/13 12:40*	*1*
4-Bromofluorobenzene	*119*		*57 - 140*		*04/19/13 12:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*61 - 130*		*04/19/13 12:40*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00196	U	0.0227	0.00196	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Acenaphthylene	0.00136	U	0.0227	0.00136	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Anthracene	**0.00791**	**J**	0.0227	0.00174	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzidine	0.0123	U	0.113	0.0123	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzo[a]anthracene	0.00188	U	0.0227	0.00188	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzo[b]fluoranthene	**0.0142**	**J**	0.0227	0.00234	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzo[k]fluoranthene	0.00203	U	0.0227	0.00203	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzo[g,h,i]perylene	0.00690	U	0.0227	0.00690	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzo[a]pyrene	**0.00776**	**J**	0.0227	0.00219	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Bis(2-chloroethoxy)methane	0.00193	U	0.0227	0.00193	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Bis(2-chloroethyl)ether	0.00224	U	0.0227	0.00224	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Bis(2-ethylhexyl) phthalate	**0.0230**	**J**	0.0907	0.00730	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Bromophenyl phenyl ether	0.00386	U	0.0227	0.00386	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Butyl benzyl phthalate	0.00842	U	0.0907	0.00842	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Chloroaniline	0.00792	U	0.0227	0.00792	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Chloronaphthalene	0.00165	U	0.0227	0.00165	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Chlorophenyl phenyl ether	0.00245	U	0.0227	0.00245	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Carbazole	0.00424	U	0.0227	0.00424	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Chrysene	0.00139	U	0.0227	0.00139	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Di-n-butyl phthalate	**0.0116**	**J**	0.0907	0.00352	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-8 3'
Date Collected: 04/15/13 10:10
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-4
Matrix: Solid
Percent Solids: 73.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.00494	U	0.0227	0.00494	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Dibenzofuran	0.00242	U	0.0227	0.00242	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
1,2-Dichlorobenzene	0.00411	U	0.0227	0.00411	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
1,3-Dichlorobenzene	0.00209	U	0.0227	0.00209	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
1,4-Dichlorobenzene	0.00306	U	0.0227	0.00306	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
3,3'-Dichlorobenzidine	0.0138	U	0.0227	0.0138	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Diethyl phthalate	0.0115	U	0.0907	0.0115	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Dimethyl phthalate	0.00665	U	0.0907	0.00665	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4-Dinitrotoluene	0.00491	U	0.0227	0.00491	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Di-n-octyl phthalate	0.00258	U	0.0907	0.00258	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Fluoranthene	0.00423	U	0.0227	0.00423	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Fluorene	0.00321	U	0.0227	0.00321	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Hexachlorobenzene	0.00207	U	0.0227	0.00207	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Hexachlorocyclopentadiene	0.00627	U	0.0227	0.00627	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Hexachloroethane	0.00314	U	0.0227	0.00314	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Hexachlorobutadiene	0.00261	U	0.0227	0.00261	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Indeno[1,2,3-cd]pyrene	0.00476	U	0.0227	0.00476	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Isophorone	0.00136	U	0.0227	0.00136	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Methylnaphthalene	0.00373	U	0.0227	0.00373	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Naphthalene	0.00184	U	0.0227	0.00184	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Nitroaniline	0.00665	U	0.0227	0.00665	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
3-Nitroaniline	0.00973	U *	0.0227	0.00973	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Nitroaniline	0.0152	U	0.0227	0.0152	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Nitrobenzene	0.00403	U	0.0227	0.00403	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
N-Nitrosodimethylamine	0.00570	U	0.0227	0.00570	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
N-Nitrosodiphenylamine	0.00257	U	0.0227	0.00257	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
N-Nitrosodi-n-propylamine	0.00302	U	0.0227	0.00302	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Phenanthrene	0.00673	U	0.0227	0.00673	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Pyrene	**0.0115**	**J**	0.0227	0.00249	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
1,2,4-Trichlorobenzene	0.00286	U	0.0227	0.00286	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Benzyl alcohol	0.00793	U	0.0227	0.00793	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Chloro-3-methylphenol	0.0212	U	0.0227	0.0212	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Chlorophenol	0.00268	U	0.0227	0.00268	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Methylphenol	0.00439	U	0.0227	0.00439	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
3 & 4 Methylphenol	0.00380	U	0.0453	0.00380	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4-Dichlorophenol	0.00526	U	0.0227	0.00526	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4-Dimethylphenol	0.0117	U	0.0227	0.0117	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4,6-Dinitro-2-methylphenol	0.00677	U	0.0227	0.00677	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4-Dinitrophenol	0.00642	U	0.136	0.00642	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2-Nitrophenol	0.00529	U	0.0227	0.00529	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
4-Nitrophenol	0.00691	U	0.0227	0.00691	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Pentachlorophenol	0.00544	U	0.227	0.00544	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
Phenol	0.00577	U	0.0227	0.00577	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4,5-Trichlorophenol	0.0136	U	0.0227	0.0136	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,4,6-Trichlorophenol	0.00365	U	0.0227	0.00365	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
2,6-Dinitrotoluene	0.00401	U	0.0227	0.00401	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1
bis (2-Chloroisopropyl) ether	0.0120	U	0.0227	0.0120	mg/Kg	☼	04/18/13 11:47	04/18/13 23:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*73*		*43 - 125*	*04/18/13 11:47*	*04/18/13 23:22*	*1*

Client Sample ID: TP-8 3'

Lab Sample ID: 600-71692-4
Date Collected: 04/15/13 10:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.4

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*87*		*56 - 123*	*04/18/13 11:47*	*04/18/13 23:22*	*1*
Nitrobenzene-d5	*73*		*34 - 118*	*04/18/13 11:47*	*04/18/13 23:22*	*1*
2-Fluorophenol	*79*		*41 - 122*	*04/18/13 11:47*	*04/18/13 23:22*	*1*
2-Fluorobiphenyl	*89*		*51 - 120*	*04/18/13 11:47*	*04/18/13 23:22*	*1*
2,4,6-Tribromophenol	*76*		*34 - 122*	*04/18/13 11:47*	*04/18/13 23:22*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.15	U	13.5	5.15	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
>C12-C28	5.50	U	13.5	5.50	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
>C28-C35	5.50	U	13.5	5.50	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
C6-C35	10.1	U	13.5	10.1	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*70 - 130*	*04/17/13 15:21*	*04/18/13 22:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**89.0**		0.637	0.134	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
Cr	**11.4**		0.637	0.0645	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
Cd	**0.280**	**J**	0.318	0.0327	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
Ba	**167**	**b**	1.27	0.0382	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
As	**17.9**		1.27	0.278	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
Ag	**0.172**	**J**	0.637	0.151	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1
Se	**0.796**	**J**	2.55	0.330	mg/Kg	☼	04/17/13 15:26	04/18/13 12:59	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0192**	**J**	0.0649	0.00465	mg/Kg	☼	04/17/13 12:36	04/18/13 07:42	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**73**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-8 5'

Lab Sample ID: 600-71692-5
Date Collected: 04/15/13 10:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 75.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00219	U	0.0132	0.00219	mg/Kg	☼		04/18/13 13:17	1
Benzene	0.000832	U	0.00660	0.000832	mg/Kg	☼		04/18/13 13:17	1
Chlorobromomethane	0.00235	U	0.00660	0.00235	mg/Kg	☼		04/18/13 13:17	1
Bromoform	0.00181	U	0.00660	0.00181	mg/Kg	☼		04/18/13 13:17	1
Bromomethane	0.00110	U	0.0132	0.00110	mg/Kg	☼		04/18/13 13:17	1
2-Butanone (MEK)	0.00251	U	0.0132	0.00251	mg/Kg	☼		04/18/13 13:17	1
Carbon disulfide	0.000726	U	0.0132	0.000726	mg/Kg	☼		04/18/13 13:17	1
Carbon tetrachloride	0.00149	U	0.00660	0.00149	mg/Kg	☼		04/18/13 13:17	1
Dibromochloromethane	0.00124	U	0.00660	0.00124	mg/Kg	☼		04/18/13 13:17	1

Client Sample ID: TP-8 5'
Date Collected: 04/15/13 10:20
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-5
Matrix: Solid
Percent Solids: 75.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00127	U	0.00660	0.00127	mg/Kg	☼		04/18/13 13:17	1
Chloroethane	0.00185	U	0.0132	0.00185	mg/Kg	☼		04/18/13 13:17	1
Chloroform	0.000871	U	0.00660	0.000871	mg/Kg	☼		04/18/13 13:17	1
Chloromethane	0.00219	U	0.0132	0.00219	mg/Kg	☼		04/18/13 13:17	1
1,1-Dichloroethane	0.00115	U	0.00660	0.00115	mg/Kg	☼		04/18/13 13:17	1
1,2-Dichloroethane	0.00119	U	0.00660	0.00119	mg/Kg	☼		04/18/13 13:17	1
1,1-Dichloroethene	0.00161	U	0.00660	0.00161	mg/Kg	☼		04/18/13 13:17	1
cis-1,2-Dichloroethene	0.00110	U	0.00660	0.00110	mg/Kg	☼		04/18/13 13:17	1
trans-1,2-Dichloroethene	0.00151	U	0.00660	0.00151	mg/Kg	☼		04/18/13 13:17	1
1,2-Dichloropropane	0.000937	U	0.00660	0.000937	mg/Kg	☼		04/18/13 13:17	1
cis-1,3-Dichloropropene	0.000713	U	0.00660	0.000713	mg/Kg	☼		04/18/13 13:17	1
trans-1,3-Dichloropropene	0.000766	U	0.00660	0.000766	mg/Kg	☼		04/18/13 13:17	1
Ethylbenzene	0.00135	U	0.00660	0.00135	mg/Kg	☼		04/18/13 13:17	1
2-Hexanone	0.00133	U	0.0132	0.00133	mg/Kg	☼		04/18/13 13:17	1
Methylene Chloride	0.00289	U	0.0132	0.00289	mg/Kg	☼		04/18/13 13:17	1
4-Methyl-2-pentanone (MIBK)	0.00194	U	0.0132	0.00194	mg/Kg	☼		04/18/13 13:17	1
Styrene	0.000937	U	0.00660	0.000937	mg/Kg	☼		04/18/13 13:17	1
1,1,2,2-Tetrachloroethane	0.00115	U	0.00660	0.00115	mg/Kg	☼		04/18/13 13:17	1
Tetrachloroethene	0.000937	U *	0.00660	0.000937	mg/Kg	☼		04/18/13 13:17	1
Toluene	0.00182	U	0.00660	0.00182	mg/Kg	☼		04/18/13 13:17	1
1,1,1-Trichloroethane	0.000977	U	0.00660	0.000977	mg/Kg	☼		04/18/13 13:17	1
1,1,2-Trichloroethane	0.000964	U	0.00660	0.000964	mg/Kg	☼		04/18/13 13:17	1
Trichloroethene	0.00185	U	0.00660	0.00185	mg/Kg	☼		04/18/13 13:17	1
Vinyl acetate	0.00123	U	0.00660	0.00123	mg/Kg	☼		04/18/13 13:17	1
Vinyl chloride	0.00119	U	0.0132	0.00119	mg/Kg	☼		04/18/13 13:17	1
o-Xylene	0.00149	U	0.00660	0.00149	mg/Kg	☼		04/18/13 13:17	1
m-Xylene & p-Xylene	0.00201	U	0.0132	0.00201	mg/Kg	☼		04/18/13 13:17	1
Xylenes, Total	0.00149	U	0.00660	0.00149	mg/Kg	☼		04/18/13 13:17	1
Bromodichloromethane	0.000871	U	0.00660	0.000871	mg/Kg	☼		04/18/13 13:17	1
1,2-Dichloroethene, Total	0.00251	U	0.0132	0.00251	mg/Kg	☼		04/18/13 13:17	1
Methyl tert-butyl ether	0.00242	U	0.00660	0.00242	mg/Kg	☼		04/18/13 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*50 - 130*		*04/18/13 13:17*	*1*
Dibromofluoromethane	*95*		*68 - 140*		*04/18/13 13:17*	*1*
4-Bromofluorobenzene	*115*		*57 - 140*		*04/18/13 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*61 - 130*		*04/18/13 13:17*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00190	U	0.0220	0.00190	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Acenaphthylene	0.00132	U	0.0220	0.00132	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Anthracene	**0.00994**	**J**	0.0220	0.00169	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzidine	0.0119	U	0.110	0.0119	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzo[a]anthracene	**0.0113**	**J**	0.0220	0.00182	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzo[b]fluoranthene	**0.0510**		0.0220	0.00227	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzo[k]fluoranthene	**0.00781**	**J**	0.0220	0.00197	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzo[g,h,i]perylene	**0.00931**	**J**	0.0220	0.00669	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzo[a]pyrene	**0.0234**		0.0220	0.00213	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Bis(2-chloroethoxy)methane	0.00187	U	0.0220	0.00187	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-8 5'
Date Collected: 04/15/13 10:20
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-5
Matrix: Solid
Percent Solids: 75.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.00218	U	0.0220	0.00218	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Bis(2-ethylhexyl) phthalate	**0.0547**	**J**	0.0880	0.00709	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Bromophenyl phenyl ether	0.00375	U	0.0220	0.00375	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Butyl benzyl phthalate	**0.111**		0.0880	0.00817	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Chloroaniline	0.00768	U	0.0220	0.00768	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2-Chloronaphthalene	0.00160	U	0.0220	0.00160	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Chlorophenyl phenyl ether	0.00238	U	0.0220	0.00238	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Carbazole	0.00412	U	0.0220	0.00412	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Chrysene	**0.0270**		0.0220	0.00135	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Di-n-butyl phthalate	**0.0138**	**J**	0.0880	0.00342	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Dibenz(a,h)anthracene	0.00479	U	0.0220	0.00479	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Dibenzofuran	0.00235	U	0.0220	0.00235	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
1,2-Dichlorobenzene	0.00399	U	0.0220	0.00399	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
1,3-Dichlorobenzene	0.00203	U	0.0220	0.00203	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
1,4-Dichlorobenzene	0.00297	U	0.0220	0.00297	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
3,3'-Dichlorobenzidine	0.0134	U	0.0220	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Diethyl phthalate	0.0111	U	0.0880	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Dimethyl phthalate	0.00646	U	0.0880	0.00646	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4-Dinitrotoluene	0.00477	U	0.0220	0.00477	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Di-n-octyl phthalate	0.00251	U	0.0880	0.00251	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Fluoranthene	**0.0455**		0.0220	0.00411	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Fluorene	0.00312	U	0.0220	0.00312	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Hexachlorobenzene	0.00201	U	0.0220	0.00201	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Hexachlorocyclopentadiene	0.00609	U	0.0220	0.00609	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Hexachloroethane	0.00305	U	0.0220	0.00305	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Hexachlorobutadiene	0.00254	U	0.0220	0.00254	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Indeno[1,2,3-cd]pyrene	**0.00863**	**J**	0.0220	0.00462	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Isophorone	0.00132	U	0.0220	0.00132	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2-Methylnaphthalene	0.00362	U	0.0220	0.00362	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Naphthalene	0.00178	U	0.0220	0.00178	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2-Nitroaniline	0.00646	U	0.0220	0.00646	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
3-Nitroaniline	0.00944	U *	0.0220	0.00944	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Nitroaniline	0.0147	U	0.0220	0.0147	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Nitrobenzene	0.00391	U	0.0220	0.00391	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
N-Nitrosodimethylamine	0.00553	U	0.0220	0.00553	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
N-Nitrosodiphenylamine	0.00250	U	0.0220	0.00250	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
N-Nitrosodi-n-propylamine	0.00293	U	0.0220	0.00293	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Phenanthrene	0.00654	U	0.0220	0.00654	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Pyrene	**0.0419**		0.0220	0.00242	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
1,2,4-Trichlorobenzene	0.00277	U	0.0220	0.00277	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Benzyl alcohol	0.00770	U	0.0220	0.00770	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Chloro-3-methylphenol	0.0206	U	0.0220	0.0206	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2-Chlorophenol	0.00260	U	0.0220	0.00260	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2-Methylphenol	0.00426	U	0.0220	0.00426	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
3 & 4 Methylphenol	0.00368	U	0.0440	0.00368	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4-Dichlorophenol	0.00511	U	0.0220	0.00511	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4-Dimethylphenol	0.0113	U	0.0220	0.0113	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4,6-Dinitro-2-methylphenol	0.00658	U	0.0220	0.00658	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4-Dinitrophenol	0.00623	U	0.132	0.00623	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1

Client Sample ID: TP-8 5'
Lab Sample ID: 600-71692-5
Date Collected: 04/15/13 10:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 75.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.00514	U	0.0220	0.00514	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
4-Nitrophenol	0.00671	U	0.0220	0.00671	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Pentachlorophenol	0.00528	U	0.220	0.00528	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
Phenol	0.00560	U	0.0220	0.00560	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4,5-Trichlorophenol	0.0132	U	0.0220	0.0132	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,4,6-Trichlorophenol	0.00354	U	0.0220	0.00354	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
2,6-Dinitrotoluene	0.00389	U	0.0220	0.00389	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1
bis (2-Chloroisopropyl) ether	0.0117	U	0.0220	0.0117	mg/Kg	☼	04/18/13 11:47	04/19/13 00:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*73*		*43 - 125*	*04/18/13 11:47*	*04/19/13 00:43*	*1*
Terphenyl-d14	*92*		*56 - 123*	*04/18/13 11:47*	*04/19/13 00:43*	*1*
Nitrobenzene-d5	*72*		*34 - 118*	*04/18/13 11:47*	*04/19/13 00:43*	*1*
2-Fluorophenol	*74*		*41 - 122*	*04/18/13 11:47*	*04/19/13 00:43*	*1*
2-Fluorobiphenyl	*92*		*51 - 120*	*04/18/13 11:47*	*04/19/13 00:43*	*1*
2,4,6-Tribromophenol	*80*		*34 - 122*	*04/18/13 11:47*	*04/19/13 00:43*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.99	U	13.1	4.99	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
>C12-C28	5.33	U	13.1	5.33	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
>C28-C35	5.33	U	13.1	5.33	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
C6-C35	9.82	U	13.1	9.82	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*70 - 130*	*04/17/13 15:21*	*04/19/13 01:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**86.4**		0.611	0.128	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
Cr	**12.4**		0.611	0.0619	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
Cd	**0.336**		0.306	0.0313	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
Ba	**120**	**b**	1.22	0.0367	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
As	**15.0**		1.22	0.266	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
Ag	0.145	U	0.611	0.145	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1
Se	**0.678**	**J**	2.45	0.316	mg/Kg	☼	04/17/13 15:26	04/18/13 13:09	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0198**	**J**	0.0629	0.00450	mg/Kg	☼	04/17/13 12:36	04/18/13 07:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**76**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-4 5' Dup
Date Collected: 04/15/13 09:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-6
Matrix: Solid
Percent Solids: 88.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00187	U	0.0112	0.00187	mg/Kg	☼		04/18/13 13:40	1
Benzene	0.000709	U	0.00562	0.000709	mg/Kg	☼		04/18/13 13:40	1
Chlorobromomethane	0.00200	U	0.00562	0.00200	mg/Kg	☼		04/18/13 13:40	1
Bromoform	0.00154	U	0.00562	0.00154	mg/Kg	☼		04/18/13 13:40	1
Bromomethane	0.000934	U	0.0112	0.000934	mg/Kg	☼		04/18/13 13:40	1
2-Butanone (MEK)	0.00214	U	0.0112	0.00214	mg/Kg	☼		04/18/13 13:40	1
Carbon disulfide	0.000619	U	0.0112	0.000619	mg/Kg	☼		04/18/13 13:40	1
Carbon tetrachloride	0.00127	U	0.00562	0.00127	mg/Kg	☼		04/18/13 13:40	1
Dibromochloromethane	0.00106	U	0.00562	0.00106	mg/Kg	☼		04/18/13 13:40	1
Chlorobenzene	0.00108	U	0.00562	0.00108	mg/Kg	☼		04/18/13 13:40	1
Chloroethane	0.00157	U	0.0112	0.00157	mg/Kg	☼		04/18/13 13:40	1
Chloroform	0.000742	U	0.00562	0.000742	mg/Kg	☼		04/18/13 13:40	1
Chloromethane	0.00187	U	0.0112	0.00187	mg/Kg	☼		04/18/13 13:40	1
1,1-Dichloroethane	0.000979	U	0.00562	0.000979	mg/Kg	☼		04/18/13 13:40	1
1,2-Dichloroethane	0.00101	U	0.00562	0.00101	mg/Kg	☼		04/18/13 13:40	1
1,1-Dichloroethene	0.00137	U	0.00562	0.00137	mg/Kg	☼		04/18/13 13:40	1
cis-1,2-Dichloroethene	0.000934	U	0.00562	0.000934	mg/Kg	☼		04/18/13 13:40	1
trans-1,2-Dichloroethene	0.00128	U	0.00562	0.00128	mg/Kg	☼		04/18/13 13:40	1
1,2-Dichloropropane	0.000799	U	0.00562	0.000799	mg/Kg	☼		04/18/13 13:40	1
cis-1,3-Dichloropropene	0.000607	U	0.00562	0.000607	mg/Kg	☼		04/18/13 13:40	1
trans-1,3-Dichloropropene	0.000652	U	0.00562	0.000652	mg/Kg	☼		04/18/13 13:40	1
Ethylbenzene	0.00115	U	0.00562	0.00115	mg/Kg	☼		04/18/13 13:40	1
2-Hexanone	0.00114	U	0.0112	0.00114	mg/Kg	☼		04/18/13 13:40	1
Methylene Chloride	0.00246	U	0.0112	0.00246	mg/Kg	☼		04/18/13 13:40	1
4-Methyl-2-pentanone (MIBK)	0.00165	U	0.0112	0.00165	mg/Kg	☼		04/18/13 13:40	1
Styrene	0.000799	U	0.00562	0.000799	mg/Kg	☼		04/18/13 13:40	1
1,1,2,2-Tetrachloroethane	0.000979	U	0.00562	0.000979	mg/Kg	☼		04/18/13 13:40	1
Tetrachloroethene	0.000799	U *	0.00562	0.000799	mg/Kg	☼		04/18/13 13:40	1
Toluene	0.00155	U	0.00562	0.00155	mg/Kg	☼		04/18/13 13:40	1
1,1,1-Trichloroethane	0.000832	U	0.00562	0.000832	mg/Kg	☼		04/18/13 13:40	1
1,1,2-Trichloroethane	0.000821	U	0.00562	0.000821	mg/Kg	☼		04/18/13 13:40	1
Trichloroethene	0.00157	U	0.00562	0.00157	mg/Kg	☼		04/18/13 13:40	1
Vinyl acetate	0.00105	U	0.00562	0.00105	mg/Kg	☼		04/18/13 13:40	1
Vinyl chloride	0.00101	U	0.0112	0.00101	mg/Kg	☼		04/18/13 13:40	1
o-Xylene	0.00127	U	0.00562	0.00127	mg/Kg	☼		04/18/13 13:40	1
m-Xylene & p-Xylene	0.00171	U	0.0112	0.00171	mg/Kg	☼		04/18/13 13:40	1
Xylenes, Total	0.00127	U	0.00562	0.00127	mg/Kg	☼		04/18/13 13:40	1
Bromodichloromethane	0.000742	U	0.00562	0.000742	mg/Kg	☼		04/18/13 13:40	1
1,2-Dichloroethene, Total	0.00214	U	0.0112	0.00214	mg/Kg	☼		04/18/13 13:40	1
Methyl tert-butyl ether	0.00206	U	0.00562	0.00206	mg/Kg	☼		04/18/13 13:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*50 - 130*		*04/18/13 13:40*	*1*
Dibromofluoromethane	*95*		*68 - 140*		*04/18/13 13:40*	*1*
4-Bromofluorobenzene	*117*		*57 - 140*		*04/18/13 13:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*82*		*61 - 130*		*04/18/13 13:40*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00162	U	0.0187	0.00162	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1

Client Sample ID: TP-4 5' Dup
Date Collected: 04/15/13 09:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-6
Matrix: Solid
Percent Solids: 88.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.00112	U	0.0187	0.00112	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Anthracene	**0.00661**	**J**	0.0187	0.00144	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzidine	0.0101	U	0.0936	0.0101	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzo[a]anthracene	0.00155	U	0.0187	0.00155	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzo[b]fluoranthene	**0.0118**	**J**	0.0187	0.00193	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzo[k]fluoranthene	0.00167	U	0.0187	0.00167	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzo[g,h,i]perylene	0.00569	U	0.0187	0.00569	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Benzo[a]pyrene	**0.00740**	**J**	0.0187	0.00181	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Bis(2-chloroethoxy)methane	0.00159	U	0.0187	0.00159	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Bis(2-chloroethyl)ether	0.00185	U	0.0187	0.00185	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Bis(2-ethylhexyl) phthalate	0.00603	U	0.0749	0.00603	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Bromophenyl phenyl ether	0.00319	U	0.0187	0.00319	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Butyl benzyl phthalate	0.00695	U	0.0749	0.00695	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Chloroaniline	0.00653	U	0.0187	0.00653	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Chloronaphthalene	0.00136	U	0.0187	0.00136	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Chlorophenyl phenyl ether	0.00202	U	0.0187	0.00202	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Carbazole	0.00350	U	0.0187	0.00350	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Chrysene	0.00115	U	0.0187	0.00115	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Di-n-butyl phthalate	**0.00979**	**J**	0.0749	0.00291	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Dibenz(a,h)anthracene	0.00408	U	0.0187	0.00408	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Dibenzofuran	0.00200	U	0.0187	0.00200	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
1,2-Dichlorobenzene	0.00339	U	0.0187	0.00339	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
1,3-Dichlorobenzene	0.00173	U	0.0187	0.00173	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
1,4-Dichlorobenzene	0.00253	U	0.0187	0.00253	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
3,3'-Dichlorobenzidine	0.0114	U	0.0187	0.0114	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Diethyl phthalate	0.00946	U	0.0749	0.00946	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Dimethyl phthalate	0.00549	U	0.0749	0.00549	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4-Dinitrotoluene	0.00405	U	0.0187	0.00405	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Di-n-octyl phthalate	0.00213	U	0.0749	0.00213	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Fluoranthene	0.00349	U	0.0187	0.00349	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Fluorene	0.00265	U	0.0187	0.00265	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Hexachlorobenzene	0.00171	U	0.0187	0.00171	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Hexachlorocyclopentadiene	0.00518	U	0.0187	0.00518	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Hexachloroethane	0.00259	U	0.0187	0.00259	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Hexachlorobutadiene	0.00216	U	0.0187	0.00216	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Indeno[1,2,3-cd]pyrene	0.00393	U	0.0187	0.00393	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Isophorone	0.00112	U	0.0187	0.00112	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Methylnaphthalene	0.00308	U	0.0187	0.00308	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Naphthalene	0.00152	U	0.0187	0.00152	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Nitroaniline	0.00549	U	0.0187	0.00549	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
3-Nitroaniline	0.00803	U *	0.0187	0.00803	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Nitroaniline	0.0125	U	0.0187	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Nitrobenzene	0.00332	U	0.0187	0.00332	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
N-Nitrosodimethylamine	0.00470	U	0.0187	0.00470	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
N-Nitrosodiphenylamine	0.00212	U	0.0187	0.00212	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
N-Nitrosodi-n-propylamine	0.00249	U	0.0187	0.00249	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Phenanthrene	0.00556	U	0.0187	0.00556	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Pyrene	**0.0113**	**J**	0.0187	0.00205	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
1,2,4-Trichlorobenzene	0.00236	U	0.0187	0.00236	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1

Client Sample ID: TP-4 5' Dup
Date Collected: 04/15/13 09:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-6
Matrix: Solid
Percent Solids: 88.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.00655	U	0.0187	0.00655	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Chloro-3-methylphenol	0.0175	U	0.0187	0.0175	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Chlorophenol	0.00221	U	0.0187	0.00221	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Methylphenol	0.00363	U	0.0187	0.00363	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
3 & 4 Methylphenol	0.00313	U	0.0374	0.00313	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4-Dichlorophenol	0.00434	U	0.0187	0.00434	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4-Dimethylphenol	0.00963	U	0.0187	0.00963	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4,6-Dinitro-2-methylphenol	0.00559	U	0.0187	0.00559	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4-Dinitrophenol	0.00530	U	0.112	0.00530	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2-Nitrophenol	0.00437	U	0.0187	0.00437	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
4-Nitrophenol	0.00570	U	0.0187	0.00570	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Pentachlorophenol	0.00449	U	0.187	0.00449	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
Phenol	0.00476	U	0.0187	0.00476	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4,5-Trichlorophenol	0.0112	U	0.0187	0.0112	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,4,6-Trichlorophenol	0.00301	U	0.0187	0.00301	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
2,6-Dinitrotoluene	0.00331	U	0.0187	0.00331	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1
bis (2-Chloroisopropyl) ether	0.00992	U	0.0187	0.00992	mg/Kg	☼	04/18/13 11:47	04/19/13 01:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*74*		*43 - 125*	*04/18/13 11:47*	*04/19/13 01:10*	*1*
Terphenyl-d14	*90*		*56 - 123*	*04/18/13 11:47*	*04/19/13 01:10*	*1*
Nitrobenzene-d5	*76*		*34 - 118*	*04/18/13 11:47*	*04/19/13 01:10*	*1*
2-Fluorophenol	*77*		*41 - 122*	*04/18/13 11:47*	*04/19/13 01:10*	*1*
2-Fluorobiphenyl	*92*		*51 - 120*	*04/18/13 11:47*	*04/19/13 01:10*	*1*
2,4,6-Tribromophenol	*85*		*34 - 122*	*04/18/13 11:47*	*04/19/13 01:10*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.27	U	11.2	4.27	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
>C12-C28	4.57	U	11.2	4.57	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
>C28-C35	4.57	U	11.2	4.57	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
C6-C35	8.41	U	11.2	8.41	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*88*		*70 - 130*	*04/17/13 15:21*	*04/19/13 01:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**142**		0.531	0.111	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
Cr	**15.0**		0.531	0.0537	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
Cd	**0.164**	**J**	0.265	0.0272	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
Ba	**92.2**	**b**	1.06	0.0318	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
As	**19.7**		1.06	0.231	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
Ag	0.126	U	0.531	0.126	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1
Se	**0.499**	**J**	2.12	0.275	mg/Kg	☼	04/17/13 15:26	04/18/13 13:36	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0211**	**J**	0.0562	0.00403	mg/Kg	☼	04/17/13 12:36	04/18/13 07:50	1

Client Sample ID: TP-4 5' Dup

Lab Sample ID: 600-71692-6
Date Collected: 04/15/13 09:35
Matrix: Solid
Date Received: 04/17/13 08:43

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	89		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-7 1'

Lab Sample ID: 600-71692-7
Date Collected: 04/15/13 10:45
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.411		0.259	0.0265	mg/Kg	☼	04/18/13 14:41	04/19/13 09:48	1
Lead	1010		0.518	0.109	mg/Kg	☼	04/18/13 14:41	04/19/13 09:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	89		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-7 2'

Lab Sample ID: 600-71692-8
Date Collected: 04/15/13 11:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.9

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00216	U	0.0130	0.00216	mg/Kg	☼		04/18/13 16:28	1
Benzene	0.000819	U	0.00650	0.000819	mg/Kg	☼		04/18/13 16:28	1
Chlorobromomethane	0.00231	U	0.00650	0.00231	mg/Kg	☼		04/18/13 16:28	1
Bromoform	0.00178	U	0.00650	0.00178	mg/Kg	☼		04/18/13 16:28	1
Bromomethane	0.00108	U	0.0130	0.00108	mg/Kg	☼		04/18/13 16:28	1
2-Butanone (MEK)	0.00247	U	0.0130	0.00247	mg/Kg	☼		04/18/13 16:28	1
Carbon disulfide	0.000715	U	0.0130	0.000715	mg/Kg	☼		04/18/13 16:28	1
Carbon tetrachloride	0.00147	U	0.00650	0.00147	mg/Kg	☼		04/18/13 16:28	1
Dibromochloromethane	0.00122	U	0.00650	0.00122	mg/Kg	☼		04/18/13 16:28	1
Chlorobenzene	0.00125	U	0.00650	0.00125	mg/Kg	☼		04/18/13 16:28	1
Chloroethane	0.00182	U	0.0130	0.00182	mg/Kg	☼		04/18/13 16:28	1
Chloroform	0.000858	U	0.00650	0.000858	mg/Kg	☼		04/18/13 16:28	1
Chloromethane	0.00216	U	0.0130	0.00216	mg/Kg	☼		04/18/13 16:28	1
1,1-Dichloroethane	0.00113	U	0.00650	0.00113	mg/Kg	☼		04/18/13 16:28	1
1,2-Dichloroethane	0.00117	U	0.00650	0.00117	mg/Kg	☼		04/18/13 16:28	1
1,1-Dichloroethene	0.00159	U	0.00650	0.00159	mg/Kg	☼		04/18/13 16:28	1
cis-1,2-Dichloroethene	0.00108	U	0.00650	0.00108	mg/Kg	☼		04/18/13 16:28	1
trans-1,2-Dichloroethene	0.00148	U	0.00650	0.00148	mg/Kg	☼		04/18/13 16:28	1
1,2-Dichloropropane	0.000923	U	0.00650	0.000923	mg/Kg	☼		04/18/13 16:28	1
cis-1,3-Dichloropropene	0.000702	U	0.00650	0.000702	mg/Kg	☼		04/18/13 16:28	1
trans-1,3-Dichloropropene	0.000754	U	0.00650	0.000754	mg/Kg	☼		04/18/13 16:28	1
Ethylbenzene	0.00133	U	0.00650	0.00133	mg/Kg	☼		04/18/13 16:28	1
2-Hexanone	0.00159	J	0.0130	0.00131	mg/Kg	☼		04/18/13 16:28	1
Methylene Chloride	0.00368	J	0.0130	0.00285	mg/Kg	☼		04/18/13 16:28	1
4-Methyl-2-pentanone (MIBK)	0.00191	U	0.0130	0.00191	mg/Kg	☼		04/18/13 16:28	1
Styrene	0.000923	U	0.00650	0.000923	mg/Kg	☼		04/18/13 16:28	1
1,1,2,2-Tetrachloroethane	0.00113	U	0.00650	0.00113	mg/Kg	☼		04/18/13 16:28	1

Client Sample ID: TP-7 2'
Date Collected: 04/15/13 11:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-8
Matrix: Solid
Percent Solids: 76.9

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	0.000923	U *	0.00650	0.000923	mg/Kg	☼		04/18/13 16:28	1
Toluene	0.00179	U	0.00650	0.00179	mg/Kg	☼		04/18/13 16:28	1
1,1,1-Trichloroethane	0.000962	U	0.00650	0.000962	mg/Kg	☼		04/18/13 16:28	1
1,1,2-Trichloroethane	0.000949	U	0.00650	0.000949	mg/Kg	☼		04/18/13 16:28	1
Trichloroethene	0.00182	U	0.00650	0.00182	mg/Kg	☼		04/18/13 16:28	1
Vinyl acetate	0.00121	U	0.00650	0.00121	mg/Kg	☼		04/18/13 16:28	1
Vinyl chloride	0.00117	U	0.0130	0.00117	mg/Kg	☼		04/18/13 16:28	1
o-Xylene	0.00147	U	0.00650	0.00147	mg/Kg	☼		04/18/13 16:28	1
m-Xylene & p-Xylene	0.00198	U	0.0130	0.00198	mg/Kg	☼		04/18/13 16:28	1
Xylenes, Total	0.00147	U	0.00650	0.00147	mg/Kg	☼		04/18/13 16:28	1
Bromodichloromethane	0.000858	U	0.00650	0.000858	mg/Kg	☼		04/18/13 16:28	1
1,2-Dichloroethene, Total	0.00247	U	0.0130	0.00247	mg/Kg	☼		04/18/13 16:28	1
Methyl tert-butyl ether	0.00238	U	0.00650	0.00238	mg/Kg	☼		04/18/13 16:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*95*		*50 - 130*		*04/18/13 16:28*	*1*
Dibromofluoromethane	*99*		*68 - 140*		*04/18/13 16:28*	*1*
4-Bromofluorobenzene	*122*		*57 - 140*		*04/18/13 16:28*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*61 - 130*		*04/18/13 16:28*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0187	U	0.217	0.0187	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Acenaphthylene	0.0130	U	0.217	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Anthracene	**0.0727**	**J**	0.217	0.0166	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzidine	0.117	U	1.08	0.117	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzo[a]anthracene	0.0179	U	0.217	0.0179	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzo[b]fluoranthene	**0.0465**	**J**	0.217	0.0224	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzo[k]fluoranthene	0.0194	U	0.217	0.0194	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzo[g,h,i]perylene	0.0659	U	0.217	0.0659	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzo[a]pyrene	0.0209	U	0.217	0.0209	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Bis(2-chloroethoxy)methane	0.0185	U	0.217	0.0185	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Bis(2-chloroethyl)ether	0.0214	U	0.217	0.0214	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Bis(2-ethylhexyl) phthalate	0.0698	U	0.867	0.0698	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Bromophenyl phenyl ether	0.0369	U	0.217	0.0369	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Butyl benzyl phthalate	0.0804	U	0.867	0.0804	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Chloroaniline	0.0756	U	0.217	0.0756	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Chloronaphthalene	0.0157	U	0.217	0.0157	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Chlorophenyl phenyl ether	0.0234	U	0.217	0.0234	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Carbazole	0.0405	U	0.217	0.0405	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Chrysene	0.0133	U	0.217	0.0133	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Di-n-butyl phthalate	0.0337	U	0.867	0.0337	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Dibenz(a,h)anthracene	0.0472	U	0.217	0.0472	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Dibenzofuran	0.0231	U	0.217	0.0231	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
1,2-Dichlorobenzene	0.0392	U	0.217	0.0392	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
1,3-Dichlorobenzene	0.0200	U	0.217	0.0200	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
1,4-Dichlorobenzene	0.0292	U	0.217	0.0292	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
3,3'-Dichlorobenzidine	0.132	U	0.217	0.132	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Diethyl phthalate	0.110	U	0.867	0.110	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Dimethyl phthalate	0.0635	U	0.867	0.0635	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10

Client Sample ID: TP-7 2'
Date Collected: 04/15/13 11:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-8
Matrix: Solid
Percent Solids: 76.9

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-Dinitrotoluene	0.0469	U	0.217	0.0469	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Di-n-octyl phthalate	0.0247	U	0.867	0.0247	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Fluoranthene	0.0404	U	0.217	0.0404	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Fluorene	0.0307	U	0.217	0.0307	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Hexachlorobenzene	0.0198	U	0.217	0.0198	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Hexachlorocyclopentadiene	0.0599	U	0.217	0.0599	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Hexachloroethane	0.0300	U	0.217	0.0300	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Hexachlorobutadiene	0.0250	U	0.217	0.0250	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Indeno[1,2,3-cd]pyrene	0.0455	U	0.217	0.0455	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Isophorone	0.0130	U	0.217	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Methylnaphthalene	0.0356	U	0.217	0.0356	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Naphthalene	0.0175	U	0.217	0.0175	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Nitroaniline	0.0635	U	0.217	0.0635	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
3-Nitroaniline	0.0929	U *	0.217	0.0929	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Nitroaniline	0.145	U	0.217	0.145	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Nitrobenzene	0.0385	U	0.217	0.0385	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
N-Nitrosodimethylamine	0.0545	U	0.217	0.0545	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
N-Nitrosodiphenylamine	0.0246	U	0.217	0.0246	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
N-Nitrosodi-n-propylamine	0.0288	U	0.217	0.0288	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Phenanthrene	0.0643	U	0.217	0.0643	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Pyrene	**0.0636**	**J**	0.217	0.0238	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
1,2,4-Trichlorobenzene	0.0273	U	0.217	0.0273	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Benzyl alcohol	0.0758	U	0.217	0.0758	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Chloro-3-methylphenol	0.202	U	0.217	0.202	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Chlorophenol	0.0256	U	0.217	0.0256	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Methylphenol	0.0420	U	0.217	0.0420	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
3 & 4 Methylphenol	0.0363	U	0.433	0.0363	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,4-Dichlorophenol	0.0503	U	0.217	0.0503	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,4-Dimethylphenol	0.111	U	0.217	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4,6-Dinitro-2-methylphenol	0.0647	U	0.217	0.0647	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,4-Dinitrophenol	0.0613	U	1.30	0.0613	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2-Nitrophenol	0.0506	U	0.217	0.0506	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
4-Nitrophenol	0.0660	U	0.217	0.0660	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Pentachlorophenol	0.0520	U	2.17	0.0520	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
Phenol	0.0551	U	0.217	0.0551	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,4,5-Trichlorophenol	0.130	U	0.217	0.130	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,4,6-Trichlorophenol	0.0348	U	0.217	0.0348	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
2,6-Dinitrotoluene	0.0383	U	0.217	0.0383	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10
bis (2-Chloroisopropyl) ether	0.115	U	0.217	0.115	mg/Kg	☼	04/18/13 11:47	04/19/13 17:42	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*85*		*43 - 125*	*04/18/13 11:47*	*04/19/13 17:42*	*10*
Terphenyl-d14	*97*		*56 - 123*	*04/18/13 11:47*	*04/19/13 17:42*	*10*
Nitrobenzene-d5	*63*		*34 - 118*	*04/18/13 11:47*	*04/19/13 17:42*	*10*
2-Fluorophenol	*73*		*41 - 122*	*04/18/13 11:47*	*04/19/13 17:42*	*10*
2-Fluorobiphenyl	*29*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 17:42*	*10*
2,4,6-Tribromophenol	*56*		*34 - 122*	*04/18/13 11:47*	*04/19/13 17:42*	*10*

Client Sample ID: TP-7 2'

Lab Sample ID: 600-71692-8

Date Collected: 04/15/13 11:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.9

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.91	U	12.9	4.91	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
>C12-C28	5.24	U	12.9	5.24	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
>C28-C35	5.24	U	12.9	5.24	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
C6-C35	9.66	U	12.9	9.66	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*70 - 130*	*04/17/13 15:21*	*04/19/13 02:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**128**		0.625	0.131	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
Cr	**14.0**		0.625	0.0633	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
Cd	**0.625**		0.313	0.0321	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
Ba	**88.3**	**b**	1.25	0.0375	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
As	**14.8**		1.25	0.272	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
Ag	0.149	U	0.625	0.149	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1
Se	**0.563**	**J**	2.50	0.324	mg/Kg	☼	04/17/13 15:26	04/18/13 13:39	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0241**	**J**	0.0650	0.00466	mg/Kg	☼	04/17/13 12:36	04/18/13 07:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**23**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**77**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-7 3'

Lab Sample ID: 600-71692-9

Date Collected: 04/15/13 10:55
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00242	U	0.0146	0.00242	mg/Kg	☼		04/18/13 16:52	1
Benzene	0.000919	U	0.00730	0.000919	mg/Kg	☼		04/18/13 16:52	1
Chlorobromomethane	0.00260	U	0.00730	0.00260	mg/Kg	☼		04/18/13 16:52	1
Bromoform	0.00200	U	0.00730	0.00200	mg/Kg	☼		04/18/13 16:52	1
Bromomethane	0.00121	U	0.0146	0.00121	mg/Kg	☼		04/18/13 16:52	1
2-Butanone (MEK)	0.00277	U	0.0146	0.00277	mg/Kg	☼		04/18/13 16:52	1
Carbon disulfide	0.000803	U	0.0146	0.000803	mg/Kg	☼		04/18/13 16:52	1
Carbon tetrachloride	0.00165	U	0.00730	0.00165	mg/Kg	☼		04/18/13 16:52	1
Dibromochloromethane	0.00137	U	0.00730	0.00137	mg/Kg	☼		04/18/13 16:52	1
Chlorobenzene	0.00140	U	0.00730	0.00140	mg/Kg	☼		04/18/13 16:52	1
Chloroethane	0.00204	U	0.0146	0.00204	mg/Kg	☼		04/18/13 16:52	1
Chloroform	0.000963	U	0.00730	0.000963	mg/Kg	☼		04/18/13 16:52	1
Chloromethane	0.00242	U	0.0146	0.00242	mg/Kg	☼		04/18/13 16:52	1
1,1-Dichloroethane	0.00127	U	0.00730	0.00127	mg/Kg	☼		04/18/13 16:52	1
1,2-Dichloroethane	0.00131	U	0.00730	0.00131	mg/Kg	☼		04/18/13 16:52	1
1,1-Dichloroethene	0.00178	U	0.00730	0.00178	mg/Kg	☼		04/18/13 16:52	1
cis-1,2-Dichloroethene	0.00121	U	0.00730	0.00121	mg/Kg	☼		04/18/13 16:52	1
trans-1,2-Dichloroethene	0.00166	U	0.00730	0.00166	mg/Kg	☼		04/18/13 16:52	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-7 3'
Date Collected: 04/15/13 10:55
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-9
Matrix: Solid
Percent Solids: 68.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.00104	U	0.00730	0.00104	mg/Kg	☼		04/18/13 16:52	1
cis-1,3-Dichloropropene	0.000788	U	0.00730	0.000788	mg/Kg	☼		04/18/13 16:52	1
trans-1,3-Dichloropropene	0.000846	U	0.00730	0.000846	mg/Kg	☼		04/18/13 16:52	1
Ethylbenzene	0.00149	U	0.00730	0.00149	mg/Kg	☼		04/18/13 16:52	1
2-Hexanone	0.00147	U	0.0146	0.00147	mg/Kg	☼		04/18/13 16:52	1
Methylene Chloride	**0.00623**	**J**	0.0146	0.00320	mg/Kg	☼		04/18/13 16:52	1
4-Methyl-2-pentanone (MIBK)	0.00215	U	0.0146	0.00215	mg/Kg	☼		04/18/13 16:52	1
Styrene	0.00104	U	0.00730	0.00104	mg/Kg	☼		04/18/13 16:52	1
1,1,2,2-Tetrachloroethane	0.00127	U	0.00730	0.00127	mg/Kg	☼		04/18/13 16:52	1
Tetrachloroethene	0.00104	U *	0.00730	0.00104	mg/Kg	☼		04/18/13 16:52	1
Toluene	0.00201	U	0.00730	0.00201	mg/Kg	☼		04/18/13 16:52	1
1,1,1-Trichloroethane	0.00108	U	0.00730	0.00108	mg/Kg	☼		04/18/13 16:52	1
1,1,2-Trichloroethane	0.00107	U	0.00730	0.00107	mg/Kg	☼		04/18/13 16:52	1
Trichloroethene	0.00204	U	0.00730	0.00204	mg/Kg	☼		04/18/13 16:52	1
Vinyl acetate	0.00136	U	0.00730	0.00136	mg/Kg	☼		04/18/13 16:52	1
Vinyl chloride	0.00131	U	0.0146	0.00131	mg/Kg	☼		04/18/13 16:52	1
o-Xylene	0.00165	U	0.00730	0.00165	mg/Kg	☼		04/18/13 16:52	1
m-Xylene & p-Xylene	0.00222	U	0.0146	0.00222	mg/Kg	☼		04/18/13 16:52	1
Xylenes, Total	0.00165	U	0.00730	0.00165	mg/Kg	☼		04/18/13 16:52	1
Bromodichloromethane	0.000963	U	0.00730	0.000963	mg/Kg	☼		04/18/13 16:52	1
1,2-Dichloroethene, Total	0.00277	U	0.0146	0.00277	mg/Kg	☼		04/18/13 16:52	1
Methyl tert-butyl ether	0.00267	U	0.00730	0.00267	mg/Kg	☼		04/18/13 16:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*50 - 130*		*04/18/13 16:52*	*1*
Dibromofluoromethane	*100*		*68 - 140*		*04/18/13 16:52*	*1*
4-Bromofluorobenzene	*122*		*57 - 140*		*04/18/13 16:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 130*		*04/18/13 16:52*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00210	U	0.0243	0.00210	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Acenaphthylene	0.00146	U	0.0243	0.00146	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Anthracene	**0.00868**	**J**	0.0243	0.00187	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzidine	0.0131	U	0.121	0.0131	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzo[a]anthracene	0.00201	U	0.0243	0.00201	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzo[b]fluoranthene	**0.0181**	**J**	0.0243	0.00251	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzo[k]fluoranthene	0.00217	U	0.0243	0.00217	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzo[g,h,i]perylene	0.00739	U	0.0243	0.00739	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzo[a]pyrene	**0.0102**	**J**	0.0243	0.00235	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Bis(2-chloroethoxy)methane	0.00207	U	0.0243	0.00207	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Bis(2-chloroethyl)ether	0.00240	U	0.0243	0.00240	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Bis(2-ethylhexyl) phthalate	0.00783	U	0.0972	0.00783	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Bromophenyl phenyl ether	0.00414	U	0.0243	0.00414	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Butyl benzyl phthalate	0.00902	U	0.0972	0.00902	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Chloroaniline	0.00848	U	0.0243	0.00848	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Chloronaphthalene	0.00176	U	0.0243	0.00176	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Chlorophenyl phenyl ether	0.00262	U	0.0243	0.00262	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Carbazole	0.00455	U	0.0243	0.00455	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Chrysene	0.00149	U	0.0243	0.00149	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1

Client Sample ID: TP-7 3'
Date Collected: 04/15/13 10:55
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-9
Matrix: Solid
Percent Solids: 68.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.00377	U	0.0972	0.00377	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Dibenz(a,h)anthracene	0.00529	U	0.0243	0.00529	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Dibenzofuran	0.00259	U	0.0243	0.00259	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
1,2-Dichlorobenzene	0.00440	U	0.0243	0.00440	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
1,3-Dichlorobenzene	0.00224	U	0.0243	0.00224	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
1,4-Dichlorobenzene	0.00328	U	0.0243	0.00328	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
3,3'-Dichlorobenzidine	0.0148	U	0.0243	0.0148	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Diethyl phthalate	**0.0245**	**J**	0.0972	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Dimethyl phthalate	0.00713	U	0.0972	0.00713	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4-Dinitrotoluene	0.00526	U	0.0243	0.00526	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Di-n-octyl phthalate	0.00277	U	0.0972	0.00277	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Fluoranthene	0.00453	U	0.0243	0.00453	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Fluorene	0.00344	U	0.0243	0.00344	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Hexachlorobenzene	0.00222	U	0.0243	0.00222	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Hexachlorocyclopentadiene	0.00672	U	0.0243	0.00672	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Hexachloroethane	0.00337	U	0.0243	0.00337	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Hexachlorobutadiene	0.00280	U	0.0243	0.00280	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Indeno[1,2,3-cd]pyrene	0.00510	U	0.0243	0.00510	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Isophorone	0.00146	U	0.0243	0.00146	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Methylnaphthalene	0.00399	U	0.0243	0.00399	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Naphthalene	0.00197	U	0.0243	0.00197	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Nitroaniline	0.00713	U	0.0243	0.00713	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
3-Nitroaniline	0.0104	U *	0.0243	0.0104	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Nitroaniline	0.0162	U	0.0243	0.0162	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Nitrobenzene	0.00431	U	0.0243	0.00431	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
N-Nitrosodimethylamine	0.00611	U	0.0243	0.00611	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
N-Nitrosodiphenylamine	0.00275	U	0.0243	0.00275	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
N-Nitrosodi-n-propylamine	0.00324	U	0.0243	0.00324	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Phenanthrene	0.00721	U	0.0243	0.00721	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Pyrene	**0.0155**	**J**	0.0243	0.00267	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
1,2,4-Trichlorobenzene	0.00306	U	0.0243	0.00306	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Benzyl alcohol	0.00850	U	0.0243	0.00850	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Chloro-3-methylphenol	0.0227	U	0.0243	0.0227	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Chlorophenol	0.00287	U	0.0243	0.00287	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Methylphenol	0.00471	U	0.0243	0.00471	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
3 & 4 Methylphenol	0.00407	U	0.0486	0.00407	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4-Dichlorophenol	0.00564	U	0.0243	0.00564	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4-Dimethylphenol	0.0125	U	0.0243	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4,6-Dinitro-2-methylphenol	0.00726	U	0.0243	0.00726	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4-Dinitrophenol	0.00688	U	0.146	0.00688	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2-Nitrophenol	0.00567	U	0.0243	0.00567	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
4-Nitrophenol	0.00740	U	0.0243	0.00740	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Pentachlorophenol	0.00583	U	0.243	0.00583	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
Phenol	0.00618	U	0.0243	0.00618	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4,5-Trichlorophenol	0.0146	U	0.0243	0.0146	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,4,6-Trichlorophenol	0.00391	U	0.0243	0.00391	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
2,6-Dinitrotoluene	0.00430	U	0.0243	0.00430	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1
bis (2-Chloroisopropyl) ether	0.0129	U	0.0243	0.0129	mg/Kg	☼	04/18/13 11:47	04/19/13 02:03	1

Client Sample ID: TP-7 3'

Lab Sample ID: 600-71692-9

Date Collected: 04/15/13 10:55
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*82*		*43 - 125*	*04/18/13 11:47*	*04/19/13 02:03*	*1*
Terphenyl-d14	*103*		*56 - 123*	*04/18/13 11:47*	*04/19/13 02:03*	*1*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:47*	*04/19/13 02:03*	*1*
2-Fluorophenol	*87*		*41 - 122*	*04/18/13 11:47*	*04/19/13 02:03*	*1*
2-Fluorobiphenyl	*100*		*51 - 120*	*04/18/13 11:47*	*04/19/13 02:03*	*1*
2,4,6-Tribromophenol	*91*		*34 - 122*	*04/18/13 11:47*	*04/19/13 02:03*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.53	U	14.6	5.53	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
>C12-C28	5.91	U	14.6	5.91	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
>C28-C35	5.91	U	14.6	5.91	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
C6-C35	10.9	U	14.6	10.9	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*113*		*70 - 130*	*04/17/13 15:21*	*04/19/13 03:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**145**		0.695	0.146	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
Cr	**22.1**		0.695	0.0703	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
Cd	**0.264**	**J**	0.347	0.0356	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
Ba	**154**	**b**	1.39	0.0417	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
As	**23.8**		1.39	0.303	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
Ag	0.165	U	0.695	0.165	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1
Se	**0.605**	**J**	2.78	0.360	mg/Kg	☼	04/17/13 15:26	04/18/13 13:41	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0243**	**J**	0.0684	0.00490	mg/Kg	☼	04/17/13 12:36	04/18/13 07:57	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**31**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**69**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-6 1'

Lab Sample ID: 600-71692-10

Date Collected: 04/15/13 11:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 85.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.605**		0.279	0.0286	mg/Kg	☼	04/18/13 14:41	04/19/13 10:19	1
Lead	**79.1**		0.558	0.117	mg/Kg	☼	04/18/13 14:41	04/19/13 10:19	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**85**		1.0	1.0	%			04/18/13 11:53	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-6 2.5'
Date Collected: 04/15/13 11:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-11
Matrix: Solid
Percent Solids: 84.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00196	U	0.0118	0.00196	mg/Kg	☼		04/18/13 17:16	1
Benzene	0.000743	U	0.00589	0.000743	mg/Kg	☼		04/18/13 17:16	1
Chlorobromomethane	0.00210	U	0.00589	0.00210	mg/Kg	☼		04/18/13 17:16	1
Bromoform	0.00161	U	0.00589	0.00161	mg/Kg	☼		04/18/13 17:16	1
Bromomethane	0.000978	U	0.0118	0.000978	mg/Kg	☼		04/18/13 17:16	1
2-Butanone (MEK)	0.00224	U	0.0118	0.00224	mg/Kg	☼		04/18/13 17:16	1
Carbon disulfide	0.000648	U	0.0118	0.000648	mg/Kg	☼		04/18/13 17:16	1
Carbon tetrachloride	0.00133	U	0.00589	0.00133	mg/Kg	☼		04/18/13 17:16	1
Dibromochloromethane	0.00111	U	0.00589	0.00111	mg/Kg	☼		04/18/13 17:16	1
Chlorobenzene	0.00113	U	0.00589	0.00113	mg/Kg	☼		04/18/13 17:16	1
Chloroethane	0.00165	U	0.0118	0.00165	mg/Kg	☼		04/18/13 17:16	1
Chloroform	0.000778	U	0.00589	0.000778	mg/Kg	☼		04/18/13 17:16	1
Chloromethane	0.00196	U	0.0118	0.00196	mg/Kg	☼		04/18/13 17:16	1
1,1-Dichloroethane	0.00103	U	0.00589	0.00103	mg/Kg	☼		04/18/13 17:16	1
1,2-Dichloroethane	0.00106	U	0.00589	0.00106	mg/Kg	☼		04/18/13 17:16	1
1,1-Dichloroethene	0.00144	U	0.00589	0.00144	mg/Kg	☼		04/18/13 17:16	1
cis-1,2-Dichloroethene	0.000978	U	0.00589	0.000978	mg/Kg	☼		04/18/13 17:16	1
trans-1,2-Dichloroethene	0.00134	U	0.00589	0.00134	mg/Kg	☼		04/18/13 17:16	1
1,2-Dichloropropane	0.000837	U	0.00589	0.000837	mg/Kg	☼		04/18/13 17:16	1
cis-1,3-Dichloropropene	0.000636	U	0.00589	0.000636	mg/Kg	☼		04/18/13 17:16	1
trans-1,3-Dichloropropene	0.000684	U	0.00589	0.000684	mg/Kg	☼		04/18/13 17:16	1
Ethylbenzene	0.00120	U	0.00589	0.00120	mg/Kg	☼		04/18/13 17:16	1
2-Hexanone	0.00119	U	0.0118	0.00119	mg/Kg	☼		04/18/13 17:16	1
Methylene Chloride	**0.00417**	**J**	0.0118	0.00258	mg/Kg	☼		04/18/13 17:16	1
4-Methyl-2-pentanone (MIBK)	0.00173	U	0.0118	0.00173	mg/Kg	☼		04/18/13 17:16	1
Styrene	0.000837	U	0.00589	0.000837	mg/Kg	☼		04/18/13 17:16	1
1,1,2,2-Tetrachloroethane	0.00103	U	0.00589	0.00103	mg/Kg	☼		04/18/13 17:16	1
Tetrachloroethene	0.000837	U *	0.00589	0.000837	mg/Kg	☼		04/18/13 17:16	1
Toluene	0.00163	U	0.00589	0.00163	mg/Kg	☼		04/18/13 17:16	1
1,1,1-Trichloroethane	0.000872	U	0.00589	0.000872	mg/Kg	☼		04/18/13 17:16	1
1,1,2-Trichloroethane	0.000860	U	0.00589	0.000860	mg/Kg	☼		04/18/13 17:16	1
Trichloroethene	0.00165	U	0.00589	0.00165	mg/Kg	☼		04/18/13 17:16	1
Vinyl acetate	0.00110	U	0.00589	0.00110	mg/Kg	☼		04/18/13 17:16	1
Vinyl chloride	0.00106	U	0.0118	0.00106	mg/Kg	☼		04/18/13 17:16	1
o-Xylene	0.00133	U	0.00589	0.00133	mg/Kg	☼		04/18/13 17:16	1
m-Xylene & p-Xylene	0.00179	U	0.0118	0.00179	mg/Kg	☼		04/18/13 17:16	1
Xylenes, Total	0.00133	U	0.00589	0.00133	mg/Kg	☼		04/18/13 17:16	1
Bromodichloromethane	0.000778	U	0.00589	0.000778	mg/Kg	☼		04/18/13 17:16	1
1,2-Dichloroethene, Total	0.00224	U	0.0118	0.00224	mg/Kg	☼		04/18/13 17:16	1
Methyl tert-butyl ether	0.00216	U	0.00589	0.00216	mg/Kg	☼		04/18/13 17:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*		*04/18/13 17:16*	*1*
Dibromofluoromethane	*98*		*68 - 140*		*04/18/13 17:16*	*1*
4-Bromofluorobenzene	*117*		*57 - 140*		*04/18/13 17:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*61 - 130*		*04/18/13 17:16*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0169	U	0.196	0.0169	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10

Client Sample ID: TP-6 2.5'
Date Collected: 04/15/13 11:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-11
Matrix: Solid
Percent Solids: 84.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0118	U	0.196	0.0118	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Anthracene	**0.0592**	**J**	0.196	0.0151	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzidine	0.106	U	0.981	0.106	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzo[a]anthracene	0.0162	U	0.196	0.0162	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzo[b]fluoranthene	0.0202	U	0.196	0.0202	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzo[k]fluoranthene	0.0175	U	0.196	0.0175	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzo[g,h,i]perylene	0.0597	U	0.196	0.0597	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Benzo[a]pyrene	0.0190	U	0.196	0.0190	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Bis(2-chloroethoxy)methane	0.0167	U	0.196	0.0167	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Bis(2-chloroethyl)ether	0.0194	U	0.196	0.0194	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Bis(2-ethylhexyl) phthalate	**0.300**	**J**	0.785	0.0632	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Bromophenyl phenyl ether	0.0334	U	0.196	0.0334	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Butyl benzyl phthalate	0.0729	U	0.785	0.0729	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Chloroaniline	0.0685	U	0.196	0.0685	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Chloronaphthalene	0.0142	U	0.196	0.0142	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Chlorophenyl phenyl ether	0.0212	U	0.196	0.0212	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Carbazole	0.0367	U	0.196	0.0367	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Chrysene	0.0120	U	0.196	0.0120	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Di-n-butyl phthalate	0.0305	U	0.785	0.0305	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Dibenz(a,h)anthracene	0.0427	U	0.196	0.0427	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Dibenzofuran	0.0210	U	0.196	0.0210	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
1,2-Dichlorobenzene	0.0355	U	0.196	0.0355	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
1,3-Dichlorobenzene	0.0181	U	0.196	0.0181	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
1,4-Dichlorobenzene	0.0265	U	0.196	0.0265	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
3,3'-Dichlorobenzidine	0.120	U	0.196	0.120	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Diethyl phthalate	0.0992	U	0.785	0.0992	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Dimethyl phthalate	0.0576	U	0.785	0.0576	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4-Dinitrotoluene	0.0425	U	0.196	0.0425	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Di-n-octyl phthalate	0.0224	U	0.785	0.0224	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Fluoranthene	0.0366	U	0.196	0.0366	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Fluorene	0.0278	U	0.196	0.0278	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Hexachlorobenzene	0.0179	U	0.196	0.0179	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Hexachlorocyclopentadiene	0.0543	U	0.196	0.0543	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Hexachloroethane	0.0272	U	0.196	0.0272	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Hexachlorobutadiene	0.0226	U	0.196	0.0226	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Indeno[1,2,3-cd]pyrene	0.0412	U	0.196	0.0412	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Isophorone	0.0118	U	0.196	0.0118	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Methylnaphthalene	0.0323	U	0.196	0.0323	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Naphthalene	0.0159	U	0.196	0.0159	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Nitroaniline	0.0576	U	0.196	0.0576	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
3-Nitroaniline	0.0842	U *	0.196	0.0842	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Nitroaniline	0.131	U	0.196	0.131	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Nitrobenzene	0.0348	U	0.196	0.0348	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
N-Nitrosodimethylamine	0.0493	U	0.196	0.0493	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
N-Nitrosodiphenylamine	0.0222	U	0.196	0.0222	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
N-Nitrosodi-n-propylamine	0.0261	U	0.196	0.0261	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Phenanthrene	0.0583	U	0.196	0.0583	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Pyrene	0.0215	U	0.196	0.0215	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
1,2,4-Trichlorobenzene	0.0247	U	0.196	0.0247	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10

Client Sample ID: TP-6 2.5'
Date Collected: 04/15/13 11:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-11
Matrix: Solid
Percent Solids: 84.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.0686	U	0.196	0.0686	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Chloro-3-methylphenol	0.183	U	0.196	0.183	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Chlorophenol	0.0232	U	0.196	0.0232	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Methylphenol	0.0380	U	0.196	0.0380	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
3 & 4 Methylphenol	0.0328	U	0.392	0.0328	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4-Dichlorophenol	0.0456	U	0.196	0.0456	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4-Dimethylphenol	0.101	U	0.196	0.101	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4,6-Dinitro-2-methylphenol	0.0586	U	0.196	0.0586	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4-Dinitrophenol	0.0556	U	1.18	0.0556	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2-Nitrophenol	0.0458	U	0.196	0.0458	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
4-Nitrophenol	0.0598	U	0.196	0.0598	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Pentachlorophenol	0.0471	U	1.97	0.0471	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
Phenol	0.0499	U	0.196	0.0499	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4,5-Trichlorophenol	0.118	U	0.196	0.118	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,4,6-Trichlorophenol	0.0315	U	0.196	0.0315	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
2,6-Dinitrotoluene	0.0347	U	0.196	0.0347	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10
bis (2-Chloroisopropyl) ether	0.104	U	0.196	0.104	mg/Kg	☼	04/18/13 11:47	04/19/13 18:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*76*		*43 - 125*	*04/18/13 11:47*	*04/19/13 18:09*	*10*
Terphenyl-d14	*104*		*56 - 123*	*04/18/13 11:47*	*04/19/13 18:09*	*10*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:47*	*04/19/13 18:09*	*10*
2-Fluorophenol	*73*		*41 - 122*	*04/18/13 11:47*	*04/19/13 18:09*	*10*
2-Fluorobiphenyl	*27*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 18:09*	*10*
2,4,6-Tribromophenol	*51*		*34 - 122*	*04/18/13 11:47*	*04/19/13 18:09*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.46	U	11.7	4.46	mg/Kg	☼	04/17/13 15:21	04/19/13 03:46	1
>C12-C28	4.77	U	11.7	4.77	mg/Kg	☼	04/17/13 15:21	04/19/13 03:46	1
>C28-C35	4.77	U	11.7	4.77	mg/Kg	☼	04/17/13 15:21	04/19/13 03:46	1
C6-C35	8.78	U	11.7	8.78	mg/Kg	☼	04/17/13 15:21	04/19/13 03:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*70 - 130*	*04/17/13 15:21*	*04/19/13 03:46*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**75.1**		0.578	0.121	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
Cr	**14.7**		0.578	0.0585	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
Cd	**0.381**		0.289	0.0296	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
Ba	**83.0**	**b**	1.16	0.0347	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
As	**22.6**		1.16	0.252	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
Ag	0.137	U	0.578	0.137	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1
Se	**0.514**	**J**	2.31	0.299	mg/Kg	☼	04/17/13 15:26	04/18/13 13:44	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0187**	**J**	0.0589	0.00422	mg/Kg	☼	04/17/13 12:36	04/18/13 08:02	1

Client Sample ID: TP-6 2.5'

Lab Sample ID: 600-71692-11

Date Collected: 04/15/13 11:30

Matrix: Solid

Date Received: 04/17/13 08:43

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	15		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	85		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-6 3.5

Lab Sample ID: 600-71692-12

Date Collected: 04/15/13 11:35

Matrix: Solid

Date Received: 04/17/13 08:43

Percent Solids: 72.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00229	U	0.0138	0.00229	mg/Kg	☼		04/18/13 17:39	1
Benzene	0.000868	U	0.00689	0.000868	mg/Kg	☼		04/18/13 17:39	1
Chlorobromomethane	0.00245	U	0.00689	0.00245	mg/Kg	☼		04/18/13 17:39	1
Bromoform	0.00189	U	0.00689	0.00189	mg/Kg	☼		04/18/13 17:39	1
Bromomethane	0.00114	U	0.0138	0.00114	mg/Kg	☼		04/18/13 17:39	1
2-Butanone (MEK)	0.00262	U	0.0138	0.00262	mg/Kg	☼		04/18/13 17:39	1
Carbon disulfide	0.000758	U	0.0138	0.000758	mg/Kg	☼		04/18/13 17:39	1
Carbon tetrachloride	0.00156	U	0.00689	0.00156	mg/Kg	☼		04/18/13 17:39	1
Dibromochloromethane	0.00130	U	0.00689	0.00130	mg/Kg	☼		04/18/13 17:39	1
Chlorobenzene	0.00132	U	0.00689	0.00132	mg/Kg	☼		04/18/13 17:39	1
Chloroethane	0.00193	U	0.0138	0.00193	mg/Kg	☼		04/18/13 17:39	1
Chloroform	0.000909	U	0.00689	0.000909	mg/Kg	☼		04/18/13 17:39	1
Chloromethane	0.00229	U	0.0138	0.00229	mg/Kg	☼		04/18/13 17:39	1
1,1-Dichloroethane	0.00120	U	0.00689	0.00120	mg/Kg	☼		04/18/13 17:39	1
1,2-Dichloroethane	0.00124	U	0.00689	0.00124	mg/Kg	☼		04/18/13 17:39	1
1,1-Dichloroethene	0.00168	U	0.00689	0.00168	mg/Kg	☼		04/18/13 17:39	1
cis-1,2-Dichloroethene	0.00114	U	0.00689	0.00114	mg/Kg	☼		04/18/13 17:39	1
trans-1,2-Dichloroethene	0.00157	U	0.00689	0.00157	mg/Kg	☼		04/18/13 17:39	1
1,2-Dichloropropane	0.000978	U	0.00689	0.000978	mg/Kg	☼		04/18/13 17:39	1
cis-1,3-Dichloropropene	0.000744	U	0.00689	0.000744	mg/Kg	☼		04/18/13 17:39	1
trans-1,3-Dichloropropene	0.000799	U	0.00689	0.000799	mg/Kg	☼		04/18/13 17:39	1
Ethylbenzene	0.00141	U	0.00689	0.00141	mg/Kg	☼		04/18/13 17:39	1
2-Hexanone	0.00139	U	0.0138	0.00139	mg/Kg	☼		04/18/13 17:39	1
Methylene Chloride	0.00302	U	0.0138	0.00302	mg/Kg	☼		04/18/13 17:39	1
4-Methyl-2-pentanone (MIBK)	0.00203	U	0.0138	0.00203	mg/Kg	☼		04/18/13 17:39	1
Styrene	0.000978	U	0.00689	0.000978	mg/Kg	☼		04/18/13 17:39	1
1,1,2,2-Tetrachloroethane	0.00120	U	0.00689	0.00120	mg/Kg	☼		04/18/13 17:39	1
Tetrachloroethene	0.000978	U *	0.00689	0.000978	mg/Kg	☼		04/18/13 17:39	1
Toluene	0.00190	U	0.00689	0.00190	mg/Kg	☼		04/18/13 17:39	1
1,1,1-Trichloroethane	0.00102	U	0.00689	0.00102	mg/Kg	☼		04/18/13 17:39	1
1,1,2-Trichloroethane	0.00101	U	0.00689	0.00101	mg/Kg	☼		04/18/13 17:39	1
Trichloroethene	0.00193	U	0.00689	0.00193	mg/Kg	☼		04/18/13 17:39	1
Vinyl acetate	0.00128	U	0.00689	0.00128	mg/Kg	☼		04/18/13 17:39	1
Vinyl chloride	0.00124	U	0.0138	0.00124	mg/Kg	☼		04/18/13 17:39	1
o-Xylene	0.00156	U	0.00689	0.00156	mg/Kg	☼		04/18/13 17:39	1
m-Xylene & p-Xylene	0.00209	U	0.0138	0.00209	mg/Kg	☼		04/18/13 17:39	1
Xylenes, Total	0.00156	U	0.00689	0.00156	mg/Kg	☼		04/18/13 17:39	1
Bromodichloromethane	0.000909	U	0.00689	0.000909	mg/Kg	☼		04/18/13 17:39	1
1,2-Dichloroethene, Total	0.00262	U	0.0138	0.00262	mg/Kg	☼		04/18/13 17:39	1
Methyl tert-butyl ether	0.00252	U	0.00689	0.00252	mg/Kg	☼		04/18/13 17:39	1

Client Sample ID: TP-6 3.5
Date Collected: 04/15/13 11:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-12
Matrix: Solid
Percent Solids: 72.6

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*50 - 130*		*04/18/13 17:39*	*1*
Dibromofluoromethane	*95*		*68 - 140*		*04/18/13 17:39*	*1*
4-Bromofluorobenzene	*114*		*57 - 140*		*04/18/13 17:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*61 - 130*		*04/18/13 17:39*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00991	U	0.115	0.00991	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Acenaphthylene	0.00688	U	0.115	0.00688	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Anthracene	0.00881	U	0.115	0.00881	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzidine	0.0621	U	0.574	0.0621	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzo[a]anthracene	0.00950	U	0.115	0.00950	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzo[b]fluoranthene	0.0118	U	0.115	0.0118	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzo[k]fluoranthene	0.0103	U	0.115	0.0103	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzo[g,h,i]perylene	0.0349	U	0.115	0.0349	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzo[a]pyrene	0.0111	U	0.115	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Bis(2-chloroethoxy)methane	0.00977	U	0.115	0.00977	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Bis(2-chloroethyl)ether	0.0114	U	0.115	0.0114	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Bis(2-ethylhexyl) phthalate	0.0370	U	0.459	0.0370	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Bromophenyl phenyl ether	0.0195	U	0.115	0.0195	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Butyl benzyl phthalate	0.0426	U	0.459	0.0426	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Chloroaniline	0.0401	U	0.115	0.0401	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Chloronaphthalene	0.00833	U	0.115	0.00833	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Chlorophenyl phenyl ether	0.0124	U	0.115	0.0124	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Carbazole	0.0215	U	0.115	0.0215	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Chrysene	0.00702	U	0.115	0.00702	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Di-n-butyl phthalate	0.0178	U	0.459	0.0178	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Dibenz(a,h)anthracene	0.0250	U	0.115	0.0250	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Dibenzofuran	0.0123	U	0.115	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
1,2-Dichlorobenzene	0.0208	U	0.115	0.0208	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
1,3-Dichlorobenzene	0.0106	U	0.115	0.0106	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
1,4-Dichlorobenzene	0.0155	U	0.115	0.0155	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
3,3'-Dichlorobenzidine	0.0699	U	0.115	0.0699	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Diethyl phthalate	0.0580	U	0.459	0.0580	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Dimethyl phthalate	0.0337	U	0.459	0.0337	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4-Dinitrotoluene	0.0248	U	0.115	0.0248	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Di-n-octyl phthalate	0.0131	U	0.459	0.0131	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Fluoranthene	0.0214	U	0.115	0.0214	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Fluorene	0.0162	U	0.115	0.0162	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Hexachlorobenzene	0.0105	U	0.115	0.0105	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Hexachlorocyclopentadiene	0.0317	U	0.115	0.0317	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Hexachloroethane	0.0159	U	0.115	0.0159	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Hexachlorobutadiene	0.0132	U	0.115	0.0132	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Indeno[1,2,3-cd]pyrene	0.0241	U	0.115	0.0241	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Isophorone	0.00688	U	0.115	0.00688	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Methylnaphthalene	0.0189	U	0.115	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Naphthalene	0.00929	U	0.115	0.00929	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Nitroaniline	0.0337	U	0.115	0.0337	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
3-Nitroaniline	0.0492	U *	0.115	0.0492	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Nitroaniline	0.0767	U	0.115	0.0767	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5

Client Sample ID: TP-6 3.5
Date Collected: 04/15/13 11:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-12
Matrix: Solid
Percent Solids: 72.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0204	U	0.115	0.0204	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
N-Nitrosodimethylamine	0.0288	U	0.115	0.0288	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
N-Nitrosodiphenylamine	0.0130	U	0.115	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
N-Nitrosodi-n-propylamine	0.0153	U	0.115	0.0153	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Phenanthrene	0.0341	U	0.115	0.0341	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Pyrene	0.0126	U	0.115	0.0126	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
1,2,4-Trichlorobenzene	0.0145	U	0.115	0.0145	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Benzyl alcohol	0.0401	U	0.115	0.0401	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Chloro-3-methylphenol	0.107	U	0.115	0.107	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Chlorophenol	0.0136	U	0.115	0.0136	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Methylphenol	0.0222	U	0.115	0.0222	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
3 & 4 Methylphenol	0.0192	U	0.229	0.0192	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4-Dichlorophenol	0.0266	U	0.115	0.0266	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4-Dimethylphenol	0.0591	U	0.115	0.0591	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4,6-Dinitro-2-methylphenol	0.0343	U	0.115	0.0343	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4-Dinitrophenol	0.0325	U	0.688	0.0325	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2-Nitrophenol	0.0268	U	0.115	0.0268	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
4-Nitrophenol	0.0350	U	0.115	0.0350	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Pentachlorophenol	0.0275	U	1.15	0.0275	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
Phenol	0.0292	U	0.115	0.0292	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4,5-Trichlorophenol	0.0689	U	0.115	0.0689	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,4,6-Trichlorophenol	0.0184	U	0.115	0.0184	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
2,6-Dinitrotoluene	0.0203	U	0.115	0.0203	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5
bis (2-Chloroisopropyl) ether	0.0608	U	0.115	0.0608	mg/Kg	☼	04/18/13 11:47	04/19/13 18:35	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*64*		*43 - 125*	*04/18/13 11:47*	*04/19/13 18:35*	*5*
Terphenyl-d14	*87*		*56 - 123*	*04/18/13 11:47*	*04/19/13 18:35*	*5*
Nitrobenzene-d5	*77*		*34 - 118*	*04/18/13 11:47*	*04/19/13 18:35*	*5*
2-Fluorophenol	*87*		*41 - 122*	*04/18/13 11:47*	*04/19/13 18:35*	*5*
2-Fluorobiphenyl	*60*		*51 - 120*	*04/18/13 11:47*	*04/19/13 18:35*	*5*
2,4,6-Tribromophenol	*53*		*34 - 122*	*04/18/13 11:47*	*04/19/13 18:35*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.22	U	13.7	5.22	mg/Kg	☼	04/17/13 15:21	04/18/13 19:58	1
>C12-C28	5.57	U	13.7	5.57	mg/Kg	☼	04/17/13 15:21	04/18/13 19:58	1
>C28-C35	5.57	U	13.7	5.57	mg/Kg	☼	04/17/13 15:21	04/18/13 19:58	1
C6-C35	10.3	U	13.7	10.3	mg/Kg	☼	04/17/13 15:21	04/18/13 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*70 - 130*	*04/17/13 15:21*	*04/18/13 19:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**26.4**		0.632	0.133	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1
Cr	**18.7**		0.632	0.0640	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1
Cd	**0.442**		0.316	0.0324	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1
Ba	**153**	**b**	1.26	0.0379	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1
As	**12.8**		1.26	0.275	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1

Client Sample ID: TP-6 3.5

Lab Sample ID: 600-71692-12
Date Collected: 04/15/13 11:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 72.6

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ag	0.150	U	0.632	0.150	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1
Se	**0.442**	**J**	2.53	0.327	mg/Kg	☼	04/17/13 15:26	04/18/13 14:01	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00623**	**J**	0.0636	0.00455	mg/Kg	☼	04/17/13 12:36	04/18/13 08:04	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**27**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**73**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-6 3.5' Dup

Lab Sample ID: 600-71692-13
Date Collected: 04/15/13 11:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 66.7

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00249	U	0.0150	0.00249	mg/Kg	☼		04/18/13 18:03	1
Benzene	0.000944	U	0.00749	0.000944	mg/Kg	☼		04/18/13 18:03	1
Chlorobromomethane	0.00267	U	0.00749	0.00267	mg/Kg	☼		04/18/13 18:03	1
Bromoform	0.00205	U	0.00749	0.00205	mg/Kg	☼		04/18/13 18:03	1
Bromomethane	0.00124	U	0.0150	0.00124	mg/Kg	☼		04/18/13 18:03	1
2-Butanone (MEK)	0.00285	U	0.0150	0.00285	mg/Kg	☼		04/18/13 18:03	1
Carbon disulfide	0.000824	U	0.0150	0.000824	mg/Kg	☼		04/18/13 18:03	1
Carbon tetrachloride	0.00169	U	0.00749	0.00169	mg/Kg	☼		04/18/13 18:03	1
Dibromochloromethane	0.00141	U	0.00749	0.00141	mg/Kg	☼		04/18/13 18:03	1
Chlorobenzene	0.00144	U	0.00749	0.00144	mg/Kg	☼		04/18/13 18:03	1
Chloroethane	0.00210	U	0.0150	0.00210	mg/Kg	☼		04/18/13 18:03	1
Chloroform	0.000989	U	0.00749	0.000989	mg/Kg	☼		04/18/13 18:03	1
Chloromethane	0.00249	U	0.0150	0.00249	mg/Kg	☼		04/18/13 18:03	1
1,1-Dichloroethane	0.00130	U	0.00749	0.00130	mg/Kg	☼		04/18/13 18:03	1
1,2-Dichloroethane	0.00135	U	0.00749	0.00135	mg/Kg	☼		04/18/13 18:03	1
1,1-Dichloroethene	0.00183	U	0.00749	0.00183	mg/Kg	☼		04/18/13 18:03	1
cis-1,2-Dichloroethene	0.00124	U	0.00749	0.00124	mg/Kg	☼		04/18/13 18:03	1
trans-1,2-Dichloroethene	0.00171	U	0.00749	0.00171	mg/Kg	☼		04/18/13 18:03	1
1,2-Dichloropropane	0.00106	U	0.00749	0.00106	mg/Kg	☼		04/18/13 18:03	1
cis-1,3-Dichloropropene	0.000809	U	0.00749	0.000809	mg/Kg	☼		04/18/13 18:03	1
trans-1,3-Dichloropropene	0.000869	U	0.00749	0.000869	mg/Kg	☼		04/18/13 18:03	1
Ethylbenzene	0.00153	U	0.00749	0.00153	mg/Kg	☼		04/18/13 18:03	1
2-Hexanone	0.00151	U	0.0150	0.00151	mg/Kg	☼		04/18/13 18:03	1
Methylene Chloride	**0.00486**	**J**	0.0150	0.00328	mg/Kg	☼		04/18/13 18:03	1
4-Methyl-2-pentanone (MIBK)	0.00220	U	0.0150	0.00220	mg/Kg	☼		04/18/13 18:03	1
Styrene	0.00106	U	0.00749	0.00106	mg/Kg	☼		04/18/13 18:03	1
1,1,2,2-Tetrachloroethane	0.00130	U	0.00749	0.00130	mg/Kg	☼		04/18/13 18:03	1
Tetrachloroethene	0.00106	U *	0.00749	0.00106	mg/Kg	☼		04/18/13 18:03	1
Toluene	0.00207	U	0.00749	0.00207	mg/Kg	☼		04/18/13 18:03	1
1,1,1-Trichloroethane	0.00111	U	0.00749	0.00111	mg/Kg	☼		04/18/13 18:03	1
1,1,2-Trichloroethane	0.00109	U	0.00749	0.00109	mg/Kg	☼		04/18/13 18:03	1
Trichloroethene	0.00210	U	0.00749	0.00210	mg/Kg	☼		04/18/13 18:03	1

Client Sample ID: TP-6 3.5' Dup
Lab Sample ID: 600-71692-13
Date Collected: 04/15/13 11:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 66.7

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.00139	U	0.00749	0.00139	mg/Kg	☼		04/18/13 18:03	1
Vinyl chloride	0.00135	U	0.0150	0.00135	mg/Kg	☼		04/18/13 18:03	1
o-Xylene	0.00169	U	0.00749	0.00169	mg/Kg	☼		04/18/13 18:03	1
m-Xylene & p-Xylene	0.00228	U	0.0150	0.00228	mg/Kg	☼		04/18/13 18:03	1
Xylenes, Total	0.00169	U	0.00749	0.00169	mg/Kg	☼		04/18/13 18:03	1
Bromodichloromethane	0.000989	U	0.00749	0.000989	mg/Kg	☼		04/18/13 18:03	1
1,2-Dichloroethene, Total	0.00285	U	0.0150	0.00285	mg/Kg	☼		04/18/13 18:03	1
Methyl tert-butyl ether	0.00274	U	0.00749	0.00274	mg/Kg	☼		04/18/13 18:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*91*		*50 - 130*		*04/18/13 18:03*	*1*
Dibromofluoromethane	*98*		*68 - 140*		*04/18/13 18:03*	*1*
4-Bromofluorobenzene	*120*		*57 - 140*		*04/18/13 18:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*61 - 130*		*04/18/13 18:03*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0108	U	0.124	0.0108	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Acenaphthylene	0.00747	U	0.124	0.00747	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Anthracene	0.00956	U	0.124	0.00956	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzidine	0.0674	U	0.622	0.0674	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzo[a]anthracene	0.0103	U	0.124	0.0103	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzo[b]fluoranthene	0.0128	U	0.124	0.0128	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzo[k]fluoranthene	0.0111	U	0.124	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzo[g,h,i]perylene	0.0379	U	0.124	0.0379	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzo[a]pyrene	0.0120	U	0.124	0.0120	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Bis(2-chloroethoxy)methane	0.0106	U	0.124	0.0106	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Bis(2-chloroethyl)ether	0.0123	U	0.124	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Bis(2-ethylhexyl) phthalate	0.0401	U	0.498	0.0401	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Bromophenyl phenyl ether	0.0212	U	0.124	0.0212	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Butyl benzyl phthalate	0.0462	U	0.498	0.0462	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Chloroaniline	0.0435	U	0.124	0.0435	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Chloronaphthalene	0.00904	U	0.124	0.00904	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Chlorophenyl phenyl ether	0.0134	U	0.124	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Carbazole	0.0233	U	0.124	0.0233	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Chrysene	0.00762	U	0.124	0.00762	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Di-n-butyl phthalate	0.0193	U	0.498	0.0193	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Dibenz(a,h)anthracene	0.0271	U	0.124	0.0271	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Dibenzofuran	0.0133	U	0.124	0.0133	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
1,2-Dichlorobenzene	0.0226	U	0.124	0.0226	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
1,3-Dichlorobenzene	0.0115	U	0.124	0.0115	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
1,4-Dichlorobenzene	0.0168	U	0.124	0.0168	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
3,3'-Dichlorobenzidine	0.0759	U	0.124	0.0759	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Diethyl phthalate	0.0630	U	0.498	0.0630	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Dimethyl phthalate	0.0365	U	0.498	0.0365	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4-Dinitrotoluene	0.0270	U	0.124	0.0270	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Di-n-octyl phthalate	0.0142	U	0.498	0.0142	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Fluoranthene	0.0232	U	0.124	0.0232	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Fluorene	0.0176	U	0.124	0.0176	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Hexachlorobenzene	0.0114	U	0.124	0.0114	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5

Client Sample ID: TP-6 3.5' Dup
Date Collected: 04/15/13 11:35
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-13
Matrix: Solid
Percent Solids: 66.7

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.0344	U	0.124	0.0344	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Hexachloroethane	0.0173	U	0.124	0.0173	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Hexachlorobutadiene	0.0143	U	0.124	0.0143	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Indeno[1,2,3-cd]pyrene	0.0261	U	0.124	0.0261	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Isophorone	0.00747	U	0.124	0.00747	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Methylnaphthalene	0.0205	U	0.124	0.0205	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Naphthalene	0.0101	U	0.124	0.0101	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Nitroaniline	0.0365	U	0.124	0.0365	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
3-Nitroaniline	0.0534	U *	0.124	0.0534	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Nitroaniline	0.0833	U	0.124	0.0833	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Nitrobenzene	0.0221	U	0.124	0.0221	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
N-Nitrosodimethylamine	0.0313	U	0.124	0.0313	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
N-Nitrosodiphenylamine	0.0141	U	0.124	0.0141	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
N-Nitrosodi-n-propylamine	0.0166	U	0.124	0.0166	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Phenanthrene	0.0370	U	0.124	0.0370	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Pyrene	0.0137	U	0.124	0.0137	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
1,2,4-Trichlorobenzene	0.0157	U	0.124	0.0157	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Benzyl alcohol	0.0435	U	0.124	0.0435	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Chloro-3-methylphenol	0.116	U	0.124	0.116	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Chlorophenol	0.0147	U	0.124	0.0147	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Methylphenol	0.0241	U	0.124	0.0241	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
3 & 4 Methylphenol	0.0208	U	0.249	0.0208	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4-Dichlorophenol	0.0289	U	0.124	0.0289	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4-Dimethylphenol	0.0641	U	0.124	0.0641	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4,6-Dinitro-2-methylphenol	0.0372	U	0.124	0.0372	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4-Dinitrophenol	0.0353	U	0.747	0.0353	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2-Nitrophenol	0.0291	U	0.124	0.0291	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
4-Nitrophenol	0.0379	U	0.124	0.0379	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Pentachlorophenol	0.0299	U	1.25	0.0299	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
Phenol	0.0317	U	0.124	0.0317	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4,5-Trichlorophenol	0.0748	U	0.124	0.0748	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,4,6-Trichlorophenol	0.0200	U	0.124	0.0200	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
2,6-Dinitrotoluene	0.0220	U	0.124	0.0220	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5
bis (2-Chloroisopropyl) ether	0.0660	U	0.124	0.0660	mg/Kg	☼	04/18/13 11:47	04/19/13 19:02	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*76*		*43 - 125*	*04/18/13 11:47*	*04/19/13 19:02*	*5*
Terphenyl-d14	*85*		*56 - 123*	*04/18/13 11:47*	*04/19/13 19:02*	*5*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:47*	*04/19/13 19:02*	*5*
2-Fluorophenol	*73*		*41 - 122*	*04/18/13 11:47*	*04/19/13 19:02*	*5*
2-Fluorobiphenyl	*61*		*51 - 120*	*04/18/13 11:47*	*04/19/13 19:02*	*5*
2,4,6-Tribromophenol	*68*		*34 - 122*	*04/18/13 11:47*	*04/19/13 19:02*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.69	U	15.0	5.69	mg/Kg	☼	04/17/13 15:21	04/18/13 20:34	1
>C12-C28	6.08	U	15.0	6.08	mg/Kg	☼	04/17/13 15:21	04/18/13 20:34	1
>C28-C35	6.08	U	15.0	6.08	mg/Kg	☼	04/17/13 15:21	04/18/13 20:34	1
C6-C35	11.2	U	15.0	11.2	mg/Kg	☼	04/17/13 15:21	04/18/13 20:34	1

Client Sample ID: TP-6 3.5' Dup

Lab Sample ID: 600-71692-13

Date Collected: 04/15/13 11:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 66.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*102*		*70 - 130*	*04/17/13 15:21*	*04/18/13 20:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**24.0**		0.713	0.150	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
Cr	**18.8**		0.713	0.0722	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
Cd	**0.485**		0.357	0.0366	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
Ba	**161**	**b**	1.43	0.0428	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
As	**12.1**		1.43	0.311	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
Ag	0.170	U	0.713	0.170	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1
Se	**0.421**	**J**	2.85	0.369	mg/Kg	☼	04/17/13 15:26	04/18/13 14:03	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0112**	**J**	0.0737	0.00528	mg/Kg	☼	04/17/13 12:36	04/18/13 08:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**33**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**67**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-5 3'

Lab Sample ID: 600-71692-14

Date Collected: 04/15/13 12:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00243	U	0.0147	0.00243	mg/Kg	☼		04/18/13 18:27	1
Benzene	0.000924	U	0.00733	0.000924	mg/Kg	☼		04/18/13 18:27	1
Chlorobromomethane	0.00261	U	0.00733	0.00261	mg/Kg	☼		04/18/13 18:27	1
Bromoform	0.00201	U	0.00733	0.00201	mg/Kg	☼		04/18/13 18:27	1
Bromomethane	0.00122	U	0.0147	0.00122	mg/Kg	☼		04/18/13 18:27	1
2-Butanone (MEK)	0.00279	U	0.0147	0.00279	mg/Kg	☼		04/18/13 18:27	1
Carbon disulfide	0.000806	U	0.0147	0.000806	mg/Kg	☼		04/18/13 18:27	1
Carbon tetrachloride	0.00166	U	0.00733	0.00166	mg/Kg	☼		04/18/13 18:27	1
Dibromochloromethane	0.00138	U	0.00733	0.00138	mg/Kg	☼		04/18/13 18:27	1
Chlorobenzene	0.00141	U	0.00733	0.00141	mg/Kg	☼		04/18/13 18:27	1
Chloroethane	0.00205	U	0.0147	0.00205	mg/Kg	☼		04/18/13 18:27	1
Chloroform	0.000968	U	0.00733	0.000968	mg/Kg	☼		04/18/13 18:27	1
Chloromethane	0.00243	U	0.0147	0.00243	mg/Kg	☼		04/18/13 18:27	1
1,1-Dichloroethane	0.00128	U	0.00733	0.00128	mg/Kg	☼		04/18/13 18:27	1
1,2-Dichloroethane	0.00132	U	0.00733	0.00132	mg/Kg	☼		04/18/13 18:27	1
1,1-Dichloroethene	0.00179	U	0.00733	0.00179	mg/Kg	☼		04/18/13 18:27	1
cis-1,2-Dichloroethene	0.00122	U	0.00733	0.00122	mg/Kg	☼		04/18/13 18:27	1
trans-1,2-Dichloroethene	0.00167	U	0.00733	0.00167	mg/Kg	☼		04/18/13 18:27	1
1,2-Dichloropropane	0.00104	U	0.00733	0.00104	mg/Kg	☼		04/18/13 18:27	1
cis-1,3-Dichloropropene	0.000792	U	0.00733	0.000792	mg/Kg	☼		04/18/13 18:27	1
trans-1,3-Dichloropropene	0.000850	U	0.00733	0.000850	mg/Kg	☼		04/18/13 18:27	1
Ethylbenzene	0.00150	U	0.00733	0.00150	mg/Kg	☼		04/18/13 18:27	1
2-Hexanone	0.00148	U	0.0147	0.00148	mg/Kg	☼		04/18/13 18:27	1
Methylene Chloride	**0.00452**	**J**	0.0147	0.00321	mg/Kg	☼		04/18/13 18:27	1

Client Sample ID: TP-5 3'
Date Collected: 04/15/13 12:05
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-14
Matrix: Solid
Percent Solids: 68.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.00216	U	0.0147	0.00216	mg/Kg	☼		04/18/13 18:27	1
Styrene	0.00104	U	0.00733	0.00104	mg/Kg	☼		04/18/13 18:27	1
1,1,2,2-Tetrachloroethane	0.00128	U	0.00733	0.00128	mg/Kg	☼		04/18/13 18:27	1
Tetrachloroethene	0.00104	U *	0.00733	0.00104	mg/Kg	☼		04/18/13 18:27	1
Toluene	0.00202	U	0.00733	0.00202	mg/Kg	☼		04/18/13 18:27	1
1,1,1-Trichloroethane	0.00109	U	0.00733	0.00109	mg/Kg	☼		04/18/13 18:27	1
1,1,2-Trichloroethane	0.00107	U	0.00733	0.00107	mg/Kg	☼		04/18/13 18:27	1
Trichloroethene	0.00205	U	0.00733	0.00205	mg/Kg	☼		04/18/13 18:27	1
Vinyl acetate	0.00136	U	0.00733	0.00136	mg/Kg	☼		04/18/13 18:27	1
Vinyl chloride	0.00132	U	0.0147	0.00132	mg/Kg	☼		04/18/13 18:27	1
o-Xylene	0.00166	U	0.00733	0.00166	mg/Kg	☼		04/18/13 18:27	1
m-Xylene & p-Xylene	0.00223	U	0.0147	0.00223	mg/Kg	☼		04/18/13 18:27	1
Xylenes, Total	0.00166	U	0.00733	0.00166	mg/Kg	☼		04/18/13 18:27	1
Bromodichloromethane	0.000968	U	0.00733	0.000968	mg/Kg	☼		04/18/13 18:27	1
1,2-Dichloroethene, Total	0.00279	U	0.0147	0.00279	mg/Kg	☼		04/18/13 18:27	1
Methyl tert-butyl ether	0.00268	U	0.00733	0.00268	mg/Kg	☼		04/18/13 18:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*		*04/18/13 18:27*	*1*
Dibromofluoromethane	*98*		*68 - 140*		*04/18/13 18:27*	*1*
4-Bromofluorobenzene	*121*		*57 - 140*		*04/18/13 18:27*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*61 - 130*		*04/18/13 18:27*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0106	U	0.122	0.0106	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Acenaphthylene	0.00733	U	0.122	0.00733	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Anthracene	0.00938	U	0.122	0.00938	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzidine	0.0661	U	0.611	0.0661	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzo[a]anthracene	0.0101	U	0.122	0.0101	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzo[b]fluoranthene	0.0126	U	0.122	0.0126	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzo[k]fluoranthene	0.0109	U	0.122	0.0109	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzo[g,h,i]perylene	0.0371	U	0.122	0.0371	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzo[a]pyrene	0.0118	U	0.122	0.0118	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Bis(2-chloroethoxy)methane	0.0104	U	0.122	0.0104	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Bis(2-chloroethyl)ether	0.0121	U	0.122	0.0121	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Bis(2-ethylhexyl) phthalate	0.0393	U	0.489	0.0393	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Bromophenyl phenyl ether	0.0208	U	0.122	0.0208	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Butyl benzyl phthalate	0.0454	U	0.489	0.0454	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Chloroaniline	0.0426	U	0.122	0.0426	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Chloronaphthalene	0.00887	U	0.122	0.00887	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Chlorophenyl phenyl ether	0.0132	U	0.122	0.0132	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Carbazole	0.0229	U	0.122	0.0229	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Chrysene	0.00747	U	0.122	0.00747	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Di-n-butyl phthalate	0.0190	U	0.489	0.0190	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Dibenz(a,h)anthracene	0.0266	U	0.122	0.0266	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Dibenzofuran	0.0130	U	0.122	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
1,2-Dichlorobenzene	0.0221	U	0.122	0.0221	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
1,3-Dichlorobenzene	0.0113	U	0.122	0.0113	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
1,4-Dichlorobenzene	0.0165	U	0.122	0.0165	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-5 3'
Date Collected: 04/15/13 12:05
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-14
Matrix: Solid
Percent Solids: 68.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.0744	U	0.122	0.0744	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Diethyl phthalate	0.0618	U	0.489	0.0618	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Dimethyl phthalate	0.0358	U	0.489	0.0358	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4-Dinitrotoluene	0.0264	U	0.122	0.0264	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Di-n-octyl phthalate	0.0139	U	0.489	0.0139	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Fluoranthene	0.0228	U	0.122	0.0228	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Fluorene	0.0173	U	0.122	0.0173	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Hexachlorobenzene	0.0111	U	0.122	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Hexachlorocyclopentadiene	0.0338	U	0.122	0.0338	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Hexachloroethane	0.0169	U	0.122	0.0169	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Hexachlorobutadiene	0.0141	U	0.122	0.0141	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Indeno[1,2,3-cd]pyrene	0.0256	U	0.122	0.0256	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Isophorone	0.00733	U	0.122	0.00733	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Methylnaphthalene	0.0201	U	0.122	0.0201	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Naphthalene	0.00989	U	0.122	0.00989	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Nitroaniline	0.0358	U	0.122	0.0358	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
3-Nitroaniline	0.0524	U *	0.122	0.0524	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Nitroaniline	0.0817	U	0.122	0.0817	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Nitrobenzene	0.0217	U	0.122	0.0217	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
N-Nitrosodimethylamine	0.0307	U	0.122	0.0307	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
N-Nitrosodiphenylamine	0.0138	U	0.122	0.0138	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
N-Nitrosodi-n-propylamine	0.0163	U	0.122	0.0163	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Phenanthrene	0.0363	U	0.122	0.0363	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Pyrene	0.0134	U	0.122	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
1,2,4-Trichlorobenzene	0.0154	U	0.122	0.0154	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Benzyl alcohol	0.0427	U	0.122	0.0427	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Chloro-3-methylphenol	0.114	U	0.122	0.114	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Chlorophenol	0.0144	U	0.122	0.0144	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Methylphenol	0.0237	U	0.122	0.0237	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
3 & 4 Methylphenol	0.0204	U	0.244	0.0204	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4-Dichlorophenol	0.0284	U	0.122	0.0284	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4-Dimethylphenol	0.0629	U	0.122	0.0629	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4,6-Dinitro-2-methylphenol	0.0365	U	0.122	0.0365	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4-Dinitrophenol	0.0346	U	0.733	0.0346	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2-Nitrophenol	0.0285	U	0.122	0.0285	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
4-Nitrophenol	0.0372	U	0.122	0.0372	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Pentachlorophenol	0.0293	U	1.22	0.0293	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
Phenol	0.0311	U	0.122	0.0311	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4,5-Trichlorophenol	0.0733	U	0.122	0.0733	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,4,6-Trichlorophenol	0.0196	U	0.122	0.0196	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
2,6-Dinitrotoluene	0.0216	U	0.122	0.0216	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5
bis (2-Chloroisopropyl) ether	0.0648	U	0.122	0.0648	mg/Kg	☼	04/18/13 11:47	04/19/13 19:28	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*75*		*43 - 125*	*04/18/13 11:47*	*04/19/13 19:28*	*5*
Terphenyl-d14	*79*		*56 - 123*	*04/18/13 11:47*	*04/19/13 19:28*	*5*
Nitrobenzene-d5	*66*		*34 - 118*	*04/18/13 11:47*	*04/19/13 19:28*	*5*
2-Fluorophenol	*76*		*41 - 122*	*04/18/13 11:47*	*04/19/13 19:28*	*5*
2-Fluorobiphenyl	*52*		*51 - 120*	*04/18/13 11:47*	*04/19/13 19:28*	*5*
2,4,6-Tribromophenol	*52*		*34 - 122*	*04/18/13 11:47*	*04/19/13 19:28*	*5*

Client Sample ID: TP-5 3'

Lab Sample ID: 600-71692-14

Date Collected: 04/15/13 12:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.2

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.57	U	14.6	5.57	mg/Kg	☼	04/17/13 15:21	04/18/13 21:10	1
>C12-C28	5.95	U	14.6	5.95	mg/Kg	☼	04/17/13 15:21	04/18/13 21:10	1
>C28-C35	5.95	U	14.6	5.95	mg/Kg	☼	04/17/13 15:21	04/18/13 21:10	1
C6-C35	11.0	U	14.6	11.0	mg/Kg	☼	04/17/13 15:21	04/18/13 21:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*04/17/13 15:21*	*04/18/13 21:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**11.6**		0.685	0.144	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
Cr	**20.9**		0.685	0.0693	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
Cd	**0.363**		0.343	0.0351	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
Ba	**170**	**b**	1.37	0.0411	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
As	**10.7**		1.37	0.299	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
Ag	0.163	U	0.685	0.163	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1
Se	0.355	U	2.74	0.355	mg/Kg	☼	04/17/13 15:26	04/18/13 14:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00525	U	0.0733	0.00525	mg/Kg	☼	04/17/13 12:36	04/18/13 08:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**32**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**68**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-1 1'

Lab Sample ID: 600-71692-15

Date Collected: 04/15/13 14:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00204	U	0.0123	0.00204	mg/Kg	☼		04/18/13 18:51	1
Benzene	0.000773	U	0.00614	0.000773	mg/Kg	☼		04/18/13 18:51	1
Chlorobromomethane	0.00218	U	0.00614	0.00218	mg/Kg	☼		04/18/13 18:51	1
Bromoform	0.00168	U	0.00614	0.00168	mg/Kg	☼		04/18/13 18:51	1
Bromomethane	0.00102	U	0.0123	0.00102	mg/Kg	☼		04/18/13 18:51	1
2-Butanone (MEK)	0.00233	U	0.0123	0.00233	mg/Kg	☼		04/18/13 18:51	1
Carbon disulfide	0.000675	U	0.0123	0.000675	mg/Kg	☼		04/18/13 18:51	1
Carbon tetrachloride	0.00139	U	0.00614	0.00139	mg/Kg	☼		04/18/13 18:51	1
Dibromochloromethane	0.00115	U	0.00614	0.00115	mg/Kg	☼		04/18/13 18:51	1
Chlorobenzene	0.00118	U	0.00614	0.00118	mg/Kg	☼		04/18/13 18:51	1
Chloroethane	0.00172	U	0.0123	0.00172	mg/Kg	☼		04/18/13 18:51	1
Chloroform	0.000810	U	0.00614	0.000810	mg/Kg	☼		04/18/13 18:51	1
Chloromethane	0.00204	U	0.0123	0.00204	mg/Kg	☼		04/18/13 18:51	1
1,1-Dichloroethane	0.00107	U	0.00614	0.00107	mg/Kg	☼		04/18/13 18:51	1
1,2-Dichloroethane	0.00110	U	0.00614	0.00110	mg/Kg	☼		04/18/13 18:51	1
1,1-Dichloroethene	0.00150	U	0.00614	0.00150	mg/Kg	☼		04/18/13 18:51	1
cis-1,2-Dichloroethene	0.00102	U	0.00614	0.00102	mg/Kg	☼		04/18/13 18:51	1
trans-1,2-Dichloroethene	0.00140	U	0.00614	0.00140	mg/Kg	☼		04/18/13 18:51	1

Client Sample ID: TP-1 1'
Date Collected: 04/15/13 14:05
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-15
Matrix: Solid
Percent Solids: 81.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.000871	U	0.00614	0.000871	mg/Kg	☼		04/18/13 18:51	1
cis-1,3-Dichloropropene	0.000663	U	0.00614	0.000663	mg/Kg	☼		04/18/13 18:51	1
trans-1,3-Dichloropropene	0.000712	U	0.00614	0.000712	mg/Kg	☼		04/18/13 18:51	1
Ethylbenzene	0.00125	U	0.00614	0.00125	mg/Kg	☼		04/18/13 18:51	1
2-Hexanone	0.00124	U	0.0123	0.00124	mg/Kg	☼		04/18/13 18:51	1
Methylene Chloride	**0.00275**	**J**	0.0123	0.00269	mg/Kg	☼		04/18/13 18:51	1
4-Methyl-2-pentanone (MIBK)	0.00180	U	0.0123	0.00180	mg/Kg	☼		04/18/13 18:51	1
Styrene	0.000871	U	0.00614	0.000871	mg/Kg	☼		04/18/13 18:51	1
1,1,2,2-Tetrachloroethane	0.00107	U	0.00614	0.00107	mg/Kg	☼		04/18/13 18:51	1
Tetrachloroethene	0.000871	U *	0.00614	0.000871	mg/Kg	☼		04/18/13 18:51	1
Toluene	0.00169	U	0.00614	0.00169	mg/Kg	☼		04/18/13 18:51	1
1,1,1-Trichloroethane	0.000908	U	0.00614	0.000908	mg/Kg	☼		04/18/13 18:51	1
1,1,2-Trichloroethane	0.000896	U	0.00614	0.000896	mg/Kg	☼		04/18/13 18:51	1
Trichloroethene	0.00172	U	0.00614	0.00172	mg/Kg	☼		04/18/13 18:51	1
Vinyl acetate	0.00114	U	0.00614	0.00114	mg/Kg	☼		04/18/13 18:51	1
Vinyl chloride	0.00110	U	0.0123	0.00110	mg/Kg	☼		04/18/13 18:51	1
o-Xylene	0.00139	U	0.00614	0.00139	mg/Kg	☼		04/18/13 18:51	1
m-Xylene & p-Xylene	0.00187	U	0.0123	0.00187	mg/Kg	☼		04/18/13 18:51	1
Xylenes, Total	0.00139	U	0.00614	0.00139	mg/Kg	☼		04/18/13 18:51	1
Bromodichloromethane	0.000810	U	0.00614	0.000810	mg/Kg	☼		04/18/13 18:51	1
1,2-Dichloroethene, Total	0.00233	U	0.0123	0.00233	mg/Kg	☼		04/18/13 18:51	1
Methyl tert-butyl ether	0.00225	U	0.00614	0.00225	mg/Kg	☼		04/18/13 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*90*		*50 - 130*		*04/18/13 18:51*	*1*
Dibromofluoromethane	*98*		*68 - 140*		*04/18/13 18:51*	*1*
4-Bromofluorobenzene	*119*		*57 - 140*		*04/18/13 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*85*		*61 - 130*		*04/18/13 18:51*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0177	U	0.204	0.0177	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Acenaphthylene	0.0123	U	0.204	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Anthracene	**0.0650**	**J**	0.204	0.0157	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzidine	0.111	U	1.02	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzo[a]anthracene	0.0169	U	0.204	0.0169	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzo[b]fluoranthene	**0.0331**	**J**	0.204	0.0211	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzo[k]fluoranthene	0.0183	U	0.204	0.0183	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzo[g,h,i]perylene	0.0621	U	0.204	0.0621	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzo[a]pyrene	0.0197	U	0.204	0.0197	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Bis(2-chloroethoxy)methane	0.0174	U	0.204	0.0174	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Bis(2-chloroethyl)ether	0.0202	U	0.204	0.0202	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Bis(2-ethylhexyl) phthalate	0.0658	U	0.817	0.0658	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Bromophenyl phenyl ether	0.0348	U	0.204	0.0348	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Butyl benzyl phthalate	0.0759	U	0.817	0.0759	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Chloroaniline	0.0713	U	0.204	0.0713	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Chloronaphthalene	0.0148	U	0.204	0.0148	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Chlorophenyl phenyl ether	0.0221	U	0.204	0.0221	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Carbazole	0.0382	U	0.204	0.0382	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Chrysene	0.0125	U	0.204	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-1 1'
Date Collected: 04/15/13 14:05
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-15
Matrix: Solid
Percent Solids: 81.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.0317	U	0.817	0.0317	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Dibenz(a,h)anthracene	0.0445	U	0.204	0.0445	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Dibenzofuran	0.0218	U	0.204	0.0218	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
1,2-Dichlorobenzene	0.0370	U	0.204	0.0370	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
1,3-Dichlorobenzene	0.0189	U	0.204	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
1,4-Dichlorobenzene	0.0276	U	0.204	0.0276	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
3,3'-Dichlorobenzidine	0.125	U	0.204	0.125	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Diethyl phthalate	0.103	U	0.817	0.103	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Dimethyl phthalate	0.0599	U	0.817	0.0599	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4-Dinitrotoluene	0.0442	U	0.204	0.0442	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Di-n-octyl phthalate	0.0233	U	0.817	0.0233	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Fluoranthene	0.0381	U	0.204	0.0381	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Fluorene	0.0289	U	0.204	0.0289	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Hexachlorobenzene	0.0186	U	0.204	0.0186	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Hexachlorocyclopentadiene	0.0565	U	0.204	0.0565	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Hexachloroethane	0.0283	U	0.204	0.0283	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Hexachlorobutadiene	0.0235	U	0.204	0.0235	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Indeno[1,2,3-cd]pyrene	0.0429	U	0.204	0.0429	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Isophorone	0.0123	U	0.204	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Methylnaphthalene	0.0336	U	0.204	0.0336	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Naphthalene	0.0165	U	0.204	0.0165	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Nitroaniline	0.0599	U	0.204	0.0599	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
3-Nitroaniline	0.0876	U *	0.204	0.0876	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Nitroaniline	0.137	U	0.204	0.137	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Nitrobenzene	0.0363	U	0.204	0.0363	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
N-Nitrosodimethylamine	0.0514	U	0.204	0.0514	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
N-Nitrosodiphenylamine	0.0232	U	0.204	0.0232	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
N-Nitrosodi-n-propylamine	0.0272	U	0.204	0.0272	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Phenanthrene	0.0607	U	0.204	0.0607	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Pyrene	0.0224	U	0.204	0.0224	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
1,2,4-Trichlorobenzene	0.0257	U	0.204	0.0257	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Benzyl alcohol	0.0715	U	0.204	0.0715	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Chloro-3-methylphenol	0.191	U	0.204	0.191	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Chlorophenol	0.0241	U	0.204	0.0241	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Methylphenol	0.0396	U	0.204	0.0396	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
3 & 4 Methylphenol	0.0342	U	0.409	0.0342	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4-Dichlorophenol	0.0474	U	0.204	0.0474	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4-Dimethylphenol	0.105	U	0.204	0.105	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4,6-Dinitro-2-methylphenol	0.0610	U	0.204	0.0610	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4-Dinitrophenol	0.0579	U	1.23	0.0579	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2-Nitrophenol	0.0477	U	0.204	0.0477	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
4-Nitrophenol	0.0623	U	0.204	0.0623	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Pentachlorophenol	0.0490	U	2.05	0.0490	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
Phenol	0.0520	U	0.204	0.0520	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4,5-Trichlorophenol	0.123	U	0.204	0.123	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,4,6-Trichlorophenol	0.0329	U	0.204	0.0329	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
2,6-Dinitrotoluene	0.0362	U	0.204	0.0362	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10
bis (2-Chloroisopropyl) ether	0.108	U	0.204	0.108	mg/Kg	☼	04/18/13 11:47	04/19/13 19:55	10

Client Sample ID: TP-1 1'

Lab Sample ID: 600-71692-15

Date Collected: 04/15/13 14:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 81.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d6	66		43 - 125	04/18/13 11:47	04/19/13 19:55	10
Terphenyl-d14	84		56 - 123	04/18/13 11:47	04/19/13 19:55	10
Nitrobenzene-d5	80		34 - 118	04/18/13 11:47	04/19/13 19:55	10
2-Fluorophenol	65		41 - 122	04/18/13 11:47	04/19/13 19:55	10
2-Fluorobiphenyl	14	X	51 - 120	04/18/13 11:47	04/19/13 19:55	10
2,4,6-Tribromophenol	65		34 - 122	04/18/13 11:47	04/19/13 19:55	10

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.65	U	12.2	4.65	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
>C12-C28	4.97	U	12.2	4.97	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
>C28-C35	4.97	U	12.2	4.97	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1
C6-C35	9.15	U	12.2	9.15	mg/Kg	☼	04/17/13 15:21	04/18/13 21:47	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	103		70 - 130	04/17/13 15:21	04/18/13 21:47	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	200		0.568	0.119	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
Cr	16.8		0.568	0.0575	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
Cd	0.869		0.284	0.0291	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
Ba	112	b	1.14	0.0341	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
As	10.9		1.14	0.248	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
Ag	0.135	U	0.568	0.135	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1
Se	0.358	J	2.27	0.294	mg/Kg	☼	04/17/13 15:26	04/18/13 14:08	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00774	J	0.0614	0.00439	mg/Kg	☼	04/17/13 12:36	04/18/13 08:10	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	81		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-1 2'

Lab Sample ID: 600-71692-16

Date Collected: 04/15/13 14:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 79.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00209	U	0.0126	0.00209	mg/Kg	☼		04/18/13 19:14	1
Benzene	0.000792	U	0.00628	0.000792	mg/Kg	☼		04/18/13 19:14	1
Chlorobromomethane	0.00224	U	0.00628	0.00224	mg/Kg	☼		04/18/13 19:14	1
Bromoform	0.00172	U	0.00628	0.00172	mg/Kg	☼		04/18/13 19:14	1
Bromomethane	0.00104	U	0.0126	0.00104	mg/Kg	☼		04/18/13 19:14	1
2-Butanone (MEK)	0.00239	U	0.0126	0.00239	mg/Kg	☼		04/18/13 19:14	1
Carbon disulfide	0.000691	U	0.0126	0.000691	mg/Kg	☼		04/18/13 19:14	1
Carbon tetrachloride	0.00142	U	0.00628	0.00142	mg/Kg	☼		04/18/13 19:14	1
Dibromochloromethane	0.00118	U	0.00628	0.00118	mg/Kg	☼		04/18/13 19:14	1

Client Sample ID: TP-1 2'
Date Collected: 04/15/13 14:10
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-16
Matrix: Solid
Percent Solids: 79.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00121	U	0.00628	0.00121	mg/Kg	☼		04/18/13 19:14	1
Chloroethane	0.00176	U	0.0126	0.00176	mg/Kg	☼		04/18/13 19:14	1
Chloroform	0.000829	U	0.00628	0.000829	mg/Kg	☼		04/18/13 19:14	1
Chloromethane	0.00209	U	0.0126	0.00209	mg/Kg	☼		04/18/13 19:14	1
1,1-Dichloroethane	0.00109	U	0.00628	0.00109	mg/Kg	☼		04/18/13 19:14	1
1,2-Dichloroethane	0.00113	U	0.00628	0.00113	mg/Kg	☼		04/18/13 19:14	1
1,1-Dichloroethene	0.00153	U	0.00628	0.00153	mg/Kg	☼		04/18/13 19:14	1
cis-1,2-Dichloroethene	0.00104	U	0.00628	0.00104	mg/Kg	☼		04/18/13 19:14	1
trans-1,2-Dichloroethene	0.00143	U	0.00628	0.00143	mg/Kg	☼		04/18/13 19:14	1
1,2-Dichloropropane	0.000892	U	0.00628	0.000892	mg/Kg	☼		04/18/13 19:14	1
cis-1,3-Dichloropropene	0.000678	U	0.00628	0.000678	mg/Kg	☼		04/18/13 19:14	1
trans-1,3-Dichloropropene	0.000729	U	0.00628	0.000729	mg/Kg	☼		04/18/13 19:14	1
Ethylbenzene	0.00128	U	0.00628	0.00128	mg/Kg	☼		04/18/13 19:14	1
2-Hexanone	0.00127	U	0.0126	0.00127	mg/Kg	☼		04/18/13 19:14	1
Methylene Chloride	0.00275	U	0.0126	0.00275	mg/Kg	☼		04/18/13 19:14	1
4-Methyl-2-pentanone (MIBK)	0.00185	U	0.0126	0.00185	mg/Kg	☼		04/18/13 19:14	1
Styrene	0.000892	U	0.00628	0.000892	mg/Kg	☼		04/18/13 19:14	1
1,1,2,2-Tetrachloroethane	0.00109	U	0.00628	0.00109	mg/Kg	☼		04/18/13 19:14	1
Tetrachloroethene	0.000892	U *	0.00628	0.000892	mg/Kg	☼		04/18/13 19:14	1
Toluene	0.00173	U	0.00628	0.00173	mg/Kg	☼		04/18/13 19:14	1
1,1,1-Trichloroethane	0.000930	U	0.00628	0.000930	mg/Kg	☼		04/18/13 19:14	1
1,1,2-Trichloroethane	0.000917	U	0.00628	0.000917	mg/Kg	☼		04/18/13 19:14	1
Trichloroethene	0.00176	U	0.00628	0.00176	mg/Kg	☼		04/18/13 19:14	1
Vinyl acetate	0.00117	U	0.00628	0.00117	mg/Kg	☼		04/18/13 19:14	1
Vinyl chloride	0.00113	U	0.0126	0.00113	mg/Kg	☼		04/18/13 19:14	1
o-Xylene	0.00142	U	0.00628	0.00142	mg/Kg	☼		04/18/13 19:14	1
m-Xylene & p-Xylene	0.00191	U	0.0126	0.00191	mg/Kg	☼		04/18/13 19:14	1
Xylenes, Total	0.00142	U	0.00628	0.00142	mg/Kg	☼		04/18/13 19:14	1
Bromodichloromethane	0.000829	U	0.00628	0.000829	mg/Kg	☼		04/18/13 19:14	1
1,2-Dichloroethene, Total	0.00239	U	0.0126	0.00239	mg/Kg	☼		04/18/13 19:14	1
Methyl tert-butyl ether	0.00230	U	0.00628	0.00230	mg/Kg	☼		04/18/13 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*94*		*50 - 130*		*04/18/13 19:14*	*1*
Dibromofluoromethane	*94*		*68 - 140*		*04/18/13 19:14*	*1*
4-Bromofluorobenzene	*118*		*57 - 140*		*04/18/13 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 130*		*04/18/13 19:14*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0181	U	0.209	0.0181	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Acenaphthylene	0.0125	U	0.209	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Anthracene	0.0160	U	0.209	0.0160	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzidine	0.113	U	1.04	0.113	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzo[a]anthracene	0.0173	U	0.209	0.0173	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzo[b]fluoranthene	0.0216	U	0.209	0.0216	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzo[k]fluoranthene	0.0187	U	0.209	0.0187	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzo[g,h,i]perylene	0.0636	U	0.209	0.0636	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzo[a]pyrene	0.0202	U	0.209	0.0202	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Bis(2-chloroethoxy)methane	0.0178	U	0.209	0.0178	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10

Client Sample ID: TP-1 2'
Date Collected: 04/15/13 14:10
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-16
Matrix: Solid
Percent Solids: 79.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethyl)ether	0.0207	U	0.209	0.0207	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Bis(2-ethylhexyl) phthalate	0.0673	U	0.836	0.0673	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Bromophenyl phenyl ether	0.0356	U	0.209	0.0356	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Butyl benzyl phthalate	0.0776	U	0.836	0.0776	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Chloroaniline	0.0730	U	0.209	0.0730	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2-Chloronaphthalene	0.0152	U	0.209	0.0152	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Chlorophenyl phenyl ether	0.0226	U	0.209	0.0226	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Carbazole	0.0391	U	0.209	0.0391	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Chrysene	0.0128	U	0.209	0.0128	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Di-n-butyl phthalate	0.0325	U	0.836	0.0325	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Dibenz(a,h)anthracene	0.0455	U	0.209	0.0455	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Dibenzofuran	0.0223	U	0.209	0.0223	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
1,2-Dichlorobenzene	0.0379	U	0.209	0.0379	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
1,3-Dichlorobenzene	0.0193	U	0.209	0.0193	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
1,4-Dichlorobenzene	0.0282	U	0.209	0.0282	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
3,3'-Dichlorobenzidine	0.127	U	0.209	0.127	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Diethyl phthalate	0.106	U	0.836	0.106	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Dimethyl phthalate	0.0613	U	0.836	0.0613	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4-Dinitrotoluene	0.0453	U	0.209	0.0453	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Di-n-octyl phthalate	0.0238	U	0.836	0.0238	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Fluoranthene	0.0390	U	0.209	0.0390	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Fluorene	0.0296	U	0.209	0.0296	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Hexachlorobenzene	0.0191	U	0.209	0.0191	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Hexachlorocyclopentadiene	0.0578	U	0.209	0.0578	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Hexachloroethane	0.0290	U	0.209	0.0290	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Hexachlorobutadiene	0.0241	U	0.209	0.0241	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Indeno[1,2,3-cd]pyrene	0.0439	U	0.209	0.0439	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Isophorone	0.0125	U	0.209	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2-Methylnaphthalene	0.0343	U	0.209	0.0343	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Naphthalene	0.0169	U	0.209	0.0169	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2-Nitroaniline	0.0613	U	0.209	0.0613	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
3-Nitroaniline	0.0896	U *	0.209	0.0896	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Nitroaniline	0.140	U	0.209	0.140	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Nitrobenzene	0.0371	U	0.209	0.0371	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
N-Nitrosodimethylamine	0.0525	U	0.209	0.0525	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
N-Nitrosodiphenylamine	0.0237	U	0.209	0.0237	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
N-Nitrosodi-n-propylamine	0.0278	U	0.209	0.0278	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Phenanthrene	0.0620	U	0.209	0.0620	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Pyrene	0.0229	U	0.209	0.0229	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
1,2,4-Trichlorobenzene	0.0263	U	0.209	0.0263	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Benzyl alcohol	0.0731	U	0.209	0.0731	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Chloro-3-methylphenol	0.195	U	0.209	0.195	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2-Chlorophenol	0.0247	U	0.209	0.0247	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2-Methylphenol	0.0405	U	0.209	0.0405	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
3 & 4 Methylphenol	0.0350	U	0.418	0.0350	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4-Dichlorophenol	0.0485	U	0.209	0.0485	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4-Dimethylphenol	0.108	U	0.209	0.108	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4,6-Dinitro-2-methylphenol	0.0624	U	0.209	0.0624	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4-Dinitrophenol	0.0592	U	1.25	0.0592	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10

Client Sample ID: TP-1 2'
Lab Sample ID: 600-71692-16
Date Collected: 04/15/13 14:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 79.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.0488	U	0.209	0.0488	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
4-Nitrophenol	0.0637	U	0.209	0.0637	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Pentachlorophenol	0.0501	U	2.09	0.0501	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
Phenol	0.0531	U	0.209	0.0531	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4,5-Trichlorophenol	0.125	U	0.209	0.125	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,4,6-Trichlorophenol	0.0336	U	0.209	0.0336	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
2,6-Dinitrotoluene	0.0370	U	0.209	0.0370	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10
bis (2-Chloroisopropyl) ether	0.111	U	0.209	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 20:22	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*76*		*43 - 125*	*04/18/13 11:47*	*04/19/13 20:22*	*10*
Terphenyl-d14	*87*		*56 - 123*	*04/18/13 11:47*	*04/19/13 20:22*	*10*
Nitrobenzene-d5	*73*		*34 - 118*	*04/18/13 11:47*	*04/19/13 20:22*	*10*
2-Fluorophenol	*78*		*41 - 122*	*04/18/13 11:47*	*04/19/13 20:22*	*10*
2-Fluorobiphenyl	*19*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 20:22*	*10*
2,4,6-Tribromophenol	*39*		*34 - 122*	*04/18/13 11:47*	*04/19/13 20:22*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.77	U	12.5	4.77	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
>C12-C28	5.09	U	12.5	5.09	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
>C28-C35	5.09	U	12.5	5.09	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1
C6-C35	9.38	U	12.5	9.38	mg/Kg	☼	04/17/13 15:21	04/18/13 22:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*70 - 130*	*04/17/13 15:21*	*04/18/13 22:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**31.2**		0.622	0.130	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
Cr	**20.8**		0.622	0.0630	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
Cd	**0.435**		0.311	0.0319	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
Ba	**165**	**b**	1.24	0.0373	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
As	**10.5**		1.24	0.271	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
Ag	0.148	U	0.622	0.148	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1
Se	0.322	U	2.49	0.322	mg/Kg	☼	04/17/13 15:26	04/18/13 14:11	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.00701**	**J**	0.0571	0.00409	mg/Kg	☼	04/17/13 12:36	04/18/13 08:11	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**20**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**80**		1.0	1.0	%			04/18/13 11:53	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-5 1'
Date Collected: 04/15/13 12:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-17
Matrix: Solid
Percent Solids: 73.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0137	0.00227	mg/Kg	☼		04/18/13 19:37	1
Benzene	0.000863	U	0.00685	0.000863	mg/Kg	☼		04/18/13 19:37	1
Chlorobromomethane	0.00244	U	0.00685	0.00244	mg/Kg	☼		04/18/13 19:37	1
Bromoform	0.00188	U	0.00685	0.00188	mg/Kg	☼		04/18/13 19:37	1
Bromomethane	0.00114	U	0.0137	0.00114	mg/Kg	☼		04/18/13 19:37	1
2-Butanone (MEK)	0.00260	U	0.0137	0.00260	mg/Kg	☼		04/18/13 19:37	1
Carbon disulfide	0.000754	U	0.0137	0.000754	mg/Kg	☼		04/18/13 19:37	1
Carbon tetrachloride	0.00155	U	0.00685	0.00155	mg/Kg	☼		04/18/13 19:37	1
Dibromochloromethane	0.00129	U	0.00685	0.00129	mg/Kg	☼		04/18/13 19:37	1
Chlorobenzene	0.00132	U	0.00685	0.00132	mg/Kg	☼		04/18/13 19:37	1
Chloroethane	0.00192	U	0.0137	0.00192	mg/Kg	☼		04/18/13 19:37	1
Chloroform	0.000904	U	0.00685	0.000904	mg/Kg	☼		04/18/13 19:37	1
Chloromethane	0.00227	U	0.0137	0.00227	mg/Kg	☼		04/18/13 19:37	1
1,1-Dichloroethane	0.00119	U	0.00685	0.00119	mg/Kg	☼		04/18/13 19:37	1
1,2-Dichloroethane	0.00123	U	0.00685	0.00123	mg/Kg	☼		04/18/13 19:37	1
1,1-Dichloroethene	0.00167	U	0.00685	0.00167	mg/Kg	☼		04/18/13 19:37	1
cis-1,2-Dichloroethene	0.00114	U	0.00685	0.00114	mg/Kg	☼		04/18/13 19:37	1
trans-1,2-Dichloroethene	0.00156	U	0.00685	0.00156	mg/Kg	☼		04/18/13 19:37	1
1,2-Dichloropropane	0.000973	U	0.00685	0.000973	mg/Kg	☼		04/18/13 19:37	1
cis-1,3-Dichloropropene	0.000740	U	0.00685	0.000740	mg/Kg	☼		04/18/13 19:37	1
trans-1,3-Dichloropropene	0.000795	U	0.00685	0.000795	mg/Kg	☼		04/18/13 19:37	1
Ethylbenzene	0.00140	U	0.00685	0.00140	mg/Kg	☼		04/18/13 19:37	1
2-Hexanone	0.00138	U	0.0137	0.00138	mg/Kg	☼		04/18/13 19:37	1
Methylene Chloride	0.00300	U	0.0137	0.00300	mg/Kg	☼		04/18/13 19:37	1
4-Methyl-2-pentanone (MIBK)	0.00201	U	0.0137	0.00201	mg/Kg	☼		04/18/13 19:37	1
Styrene	0.000973	U	0.00685	0.000973	mg/Kg	☼		04/18/13 19:37	1
1,1,2,2-Tetrachloroethane	0.00119	U	0.00685	0.00119	mg/Kg	☼		04/18/13 19:37	1
Tetrachloroethene	0.000973	U *	0.00685	0.000973	mg/Kg	☼		04/18/13 19:37	1
Toluene	0.00189	U	0.00685	0.00189	mg/Kg	☼		04/18/13 19:37	1
1,1,1-Trichloroethane	0.00101	U	0.00685	0.00101	mg/Kg	☼		04/18/13 19:37	1
1,1,2-Trichloroethane	0.00100	U	0.00685	0.00100	mg/Kg	☼		04/18/13 19:37	1
Trichloroethene	0.00192	U	0.00685	0.00192	mg/Kg	☼		04/18/13 19:37	1
Vinyl acetate	0.00127	U	0.00685	0.00127	mg/Kg	☼		04/18/13 19:37	1
Vinyl chloride	0.00123	U	0.0137	0.00123	mg/Kg	☼		04/18/13 19:37	1
o-Xylene	0.00155	U	0.00685	0.00155	mg/Kg	☼		04/18/13 19:37	1
m-Xylene & p-Xylene	0.00208	U	0.0137	0.00208	mg/Kg	☼		04/18/13 19:37	1
Xylenes, Total	0.00155	U	0.00685	0.00155	mg/Kg	☼		04/18/13 19:37	1
Bromodichloromethane	0.000904	U	0.00685	0.000904	mg/Kg	☼		04/18/13 19:37	1
1,2-Dichloroethene, Total	0.00260	U	0.0137	0.00260	mg/Kg	☼		04/18/13 19:37	1
Methyl tert-butyl ether	0.00251	U	0.00685	0.00251	mg/Kg	☼		04/18/13 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*50 - 130*		*04/18/13 19:37*	*1*
Dibromofluoromethane	*90*		*68 - 140*		*04/18/13 19:37*	*1*
4-Bromofluorobenzene	*114*		*57 - 140*		*04/18/13 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 130*		*04/18/13 19:37*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0197	U	0.228	0.0197	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10

Client Sample ID: TP-5 1'
Date Collected: 04/15/13 12:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-17
Matrix: Solid
Percent Solids: 73.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.0137	U	0.228	0.0137	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Anthracene	0.0175	U	0.228	0.0175	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzidine	0.123	U	1.14	0.123	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzo[a]anthracene	0.0189	U	0.228	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzo[b]fluoranthene	0.0235	U	0.228	0.0235	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzo[k]fluoranthene	0.0204	U	0.228	0.0204	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzo[g,h,i]perylene	0.0694	U	0.228	0.0694	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Benzo[a]pyrene	0.0220	U	0.228	0.0220	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Bis(2-chloroethoxy)methane	0.0194	U	0.228	0.0194	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Bis(2-chloroethyl)ether	0.0226	U	0.228	0.0226	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Bis(2-ethylhexyl) phthalate	0.0735	U	0.913	0.0735	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Bromophenyl phenyl ether	0.0389	U	0.228	0.0389	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Butyl benzyl phthalate	0.0847	U	0.913	0.0847	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Chloroaniline	0.0797	U	0.228	0.0797	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Chloronaphthalene	0.0166	U	0.228	0.0166	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Chlorophenyl phenyl ether	0.0246	U	0.228	0.0246	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Carbazole	0.0427	U	0.228	0.0427	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Chrysene	0.0140	U	0.228	0.0140	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Di-n-butyl phthalate	0.0354	U	0.913	0.0354	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Dibenz(a,h)anthracene	0.0497	U	0.228	0.0497	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Dibenzofuran	0.0244	U	0.228	0.0244	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
1,2-Dichlorobenzene	0.0413	U	0.228	0.0413	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
1,3-Dichlorobenzene	0.0211	U	0.228	0.0211	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
1,4-Dichlorobenzene	0.0308	U	0.228	0.0308	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
3,3'-Dichlorobenzidine	0.139	U	0.228	0.139	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Diethyl phthalate	0.115	U	0.913	0.115	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Dimethyl phthalate	0.0669	U	0.913	0.0669	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4-Dinitrotoluene	0.0494	U	0.228	0.0494	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Di-n-octyl phthalate	0.0260	U	0.913	0.0260	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Fluoranthene	0.0426	U	0.228	0.0426	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Fluorene	0.0323	U	0.228	0.0323	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Hexachlorobenzene	0.0208	U	0.228	0.0208	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Hexachlorocyclopentadiene	0.0631	U	0.228	0.0631	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Hexachloroethane	0.0316	U	0.228	0.0316	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Hexachlorobutadiene	0.0263	U	0.228	0.0263	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Indeno[1,2,3-cd]pyrene	0.0479	U	0.228	0.0479	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Isophorone	0.0137	U	0.228	0.0137	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Methylnaphthalene	0.0375	U	0.228	0.0375	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Naphthalene	0.0185	U	0.228	0.0185	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Nitroaniline	0.0669	U	0.228	0.0669	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
3-Nitroaniline	0.0979	U *	0.228	0.0979	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Nitroaniline	0.153	U	0.228	0.153	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Nitrobenzene	0.0405	U	0.228	0.0405	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
N-Nitrosodimethylamine	0.0573	U	0.228	0.0573	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
N-Nitrosodiphenylamine	0.0259	U	0.228	0.0259	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
N-Nitrosodi-n-propylamine	0.0304	U	0.228	0.0304	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Phenanthrene	0.0677	U	0.228	0.0677	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Pyrene	0.0250	U	0.228	0.0250	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
1,2,4-Trichlorobenzene	0.0287	U	0.228	0.0287	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10

Client Sample ID: TP-5 1'
Date Collected: 04/15/13 12:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-17
Matrix: Solid
Percent Solids: 73.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl alcohol	0.0798	U	0.228	0.0798	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Chloro-3-methylphenol	0.213	U	0.228	0.213	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Chlorophenol	0.0270	U	0.228	0.0270	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Methylphenol	0.0442	U	0.228	0.0442	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
3 & 4 Methylphenol	0.0382	U	0.456	0.0382	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4-Dichlorophenol	0.0530	U	0.228	0.0530	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4-Dimethylphenol	0.117	U	0.228	0.117	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4,6-Dinitro-2-methylphenol	0.0682	U	0.228	0.0682	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4-Dinitrophenol	0.0646	U	1.37	0.0646	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2-Nitrophenol	0.0532	U	0.228	0.0532	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
4-Nitrophenol	0.0695	U	0.228	0.0695	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Pentachlorophenol	0.0547	U	2.29	0.0547	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
Phenol	0.0580	U	0.228	0.0580	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4,5-Trichlorophenol	0.137	U	0.228	0.137	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,4,6-Trichlorophenol	0.0367	U	0.228	0.0367	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
2,6-Dinitrotoluene	0.0404	U	0.228	0.0404	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10
bis (2-Chloroisopropyl) ether	0.121	U	0.228	0.121	mg/Kg	☼	04/18/13 11:47	04/19/13 20:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*72*		*43 - 125*	*04/18/13 11:47*	*04/19/13 20:49*	*10*
Terphenyl-d14	*90*		*56 - 123*	*04/18/13 11:47*	*04/19/13 20:49*	*10*
Nitrobenzene-d5	*64*		*34 - 118*	*04/18/13 11:47*	*04/19/13 20:49*	*10*
2-Fluorophenol	*68*		*41 - 122*	*04/18/13 11:47*	*04/19/13 20:49*	*10*
2-Fluorobiphenyl	*19*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 20:49*	*10*
2,4,6-Tribromophenol	*68*		*34 - 122*	*04/18/13 11:47*	*04/19/13 20:49*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.21	U	13.7	5.21	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
>C12-C28	5.56	U	13.7	5.56	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
>C28-C35	5.56	U	13.7	5.56	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1
C6-C35	10.3	U	13.7	10.3	mg/Kg	☼	04/17/13 15:21	04/18/13 22:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*04/17/13 15:21*	*04/18/13 22:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**113**		0.646	0.136	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
Cr	**11.4**		0.646	0.0654	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
Cd	**0.530**		0.323	0.0332	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
Ba	**70.1**	**b**	1.29	0.0388	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
As	**9.24**		1.29	0.282	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
Ag	0.154	U	0.646	0.154	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1
Se	**0.511**	**J**	2.59	0.335	mg/Kg	☼	04/17/13 15:26	04/18/13 14:13	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0686**		0.0623	0.00446	mg/Kg	☼	04/17/13 12:36	04/18/13 08:13	1

Client Sample ID: TP-5 1'
Lab Sample ID: 600-71692-17
Date Collected: 04/15/13 12:00
Matrix: Solid
Date Received: 04/17/13 08:43

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	73		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-2 1'
Lab Sample ID: 600-71692-18
Date Collected: 04/15/13 14:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 86.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.407		0.290	0.0298	mg/Kg	☼	04/18/13 14:41	04/19/13 10:49	1
Lead	9.25		0.581	0.122	mg/Kg	☼	04/18/13 14:41	04/19/13 10:49	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	86		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-3 1.5'
Lab Sample ID: 600-71692-19
Date Collected: 04/15/13 14:45
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 71.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.331	J	0.335	0.0344	mg/Kg	☼	04/18/13 14:41	04/19/13 10:53	1
Lead	12.6		0.670	0.140	mg/Kg	☼	04/18/13 14:41	04/19/13 10:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	28		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	72		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-3 0.5'
Lab Sample ID: 600-71692-20
Date Collected: 04/15/13 15:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.265	J	0.325	0.0333	mg/Kg	☼	04/18/13 14:41	04/19/13 11:05	1
Lead	43.4		0.650	0.136	mg/Kg	☼	04/18/13 14:41	04/19/13 11:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	73		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-4 0.5'
Lab Sample ID: 600-71692-21
Date Collected: 04/15/13 15:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.229	J	0.290	0.0297	mg/Kg	☼	04/18/13 14:41	04/19/13 11:20	1
Lead	33.4		0.580	0.122	mg/Kg	☼	04/18/13 14:41	04/19/13 11:20	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	84		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-4 1.5'
Lab Sample ID: 600-71692-22
Date Collected: 04/15/13 15:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.192	J	0.284	0.0292	mg/Kg	☼	04/18/13 14:41	04/19/13 11:24	1
Lead	4.31		0.568	0.119	mg/Kg	☼	04/18/13 14:41	04/19/13 11:24	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	83		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-10 1'
Lab Sample ID: 600-71692-23
Date Collected: 04/15/13 15:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00218	U	0.0131	0.00218	mg/Kg	☼		04/18/13 20:01	1
Benzene	0.000828	U	0.00657	0.000828	mg/Kg	☼		04/18/13 20:01	1
Chlorobromomethane	0.00234	U	0.00657	0.00234	mg/Kg	☼		04/18/13 20:01	1
Bromoform	0.00180	U	0.00657	0.00180	mg/Kg	☼		04/18/13 20:01	1
Bromomethane	0.00109	U	0.0131	0.00109	mg/Kg	☼		04/18/13 20:01	1
2-Butanone (MEK)	0.00250	U	0.0131	0.00250	mg/Kg	☼		04/18/13 20:01	1
Carbon disulfide	0.000723	U	0.0131	0.000723	mg/Kg	☼		04/18/13 20:01	1
Carbon tetrachloride	0.00149	U	0.00657	0.00149	mg/Kg	☼		04/18/13 20:01	1
Dibromochloromethane	0.00124	U	0.00657	0.00124	mg/Kg	☼		04/18/13 20:01	1
Chlorobenzene	0.00126	U	0.00657	0.00126	mg/Kg	☼		04/18/13 20:01	1
Chloroethane	0.00184	U	0.0131	0.00184	mg/Kg	☼		04/18/13 20:01	1
Chloroform	0.000868	U	0.00657	0.000868	mg/Kg	☼		04/18/13 20:01	1
Chloromethane	0.00218	U	0.0131	0.00218	mg/Kg	☼		04/18/13 20:01	1
1,1-Dichloroethane	0.00114	U	0.00657	0.00114	mg/Kg	☼		04/18/13 20:01	1
1,2-Dichloroethane	0.00118	U	0.00657	0.00118	mg/Kg	☼		04/18/13 20:01	1
1,1-Dichloroethene	0.00160	U	0.00657	0.00160	mg/Kg	☼		04/18/13 20:01	1
cis-1,2-Dichloroethene	0.00109	U	0.00657	0.00109	mg/Kg	☼		04/18/13 20:01	1
trans-1,2-Dichloroethene	0.00150	U	0.00657	0.00150	mg/Kg	☼		04/18/13 20:01	1
1,2-Dichloropropane	0.000933	U	0.00657	0.000933	mg/Kg	☼		04/18/13 20:01	1
cis-1,3-Dichloropropene	0.000710	U	0.00657	0.000710	mg/Kg	☼		04/18/13 20:01	1
trans-1,3-Dichloropropene	0.000762	U	0.00657	0.000762	mg/Kg	☼		04/18/13 20:01	1
Ethylbenzene	0.00134	U	0.00657	0.00134	mg/Kg	☼		04/18/13 20:01	1

Client Sample ID: TP-10 1'
Date Collected: 04/15/13 15:50
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-23
Matrix: Solid
Percent Solids: 76.1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	0.00133	U	0.0131	0.00133	mg/Kg	☼		04/18/13 20:01	1
Methylene Chloride	**0.00481**	**J**	0.0131	0.00288	mg/Kg	☼		04/18/13 20:01	1
4-Methyl-2-pentanone (MIBK)	0.00193	U	0.0131	0.00193	mg/Kg	☼		04/18/13 20:01	1
Styrene	0.000933	U	0.00657	0.000933	mg/Kg	☼		04/18/13 20:01	1
1,1,2,2-Tetrachloroethane	0.00114	U	0.00657	0.00114	mg/Kg	☼		04/18/13 20:01	1
Tetrachloroethene	0.000933	U *	0.00657	0.000933	mg/Kg	☼		04/18/13 20:01	1
Toluene	0.00181	U	0.00657	0.00181	mg/Kg	☼		04/18/13 20:01	1
1,1,1-Trichloroethane	0.000973	U	0.00657	0.000973	mg/Kg	☼		04/18/13 20:01	1
1,1,2-Trichloroethane	0.000960	U	0.00657	0.000960	mg/Kg	☼		04/18/13 20:01	1
Trichloroethene	0.00184	U	0.00657	0.00184	mg/Kg	☼		04/18/13 20:01	1
Vinyl acetate	0.00122	U	0.00657	0.00122	mg/Kg	☼		04/18/13 20:01	1
Vinyl chloride	0.00118	U	0.0131	0.00118	mg/Kg	☼		04/18/13 20:01	1
o-Xylene	0.00149	U	0.00657	0.00149	mg/Kg	☼		04/18/13 20:01	1
m-Xylene & p-Xylene	0.00200	U	0.0131	0.00200	mg/Kg	☼		04/18/13 20:01	1
Xylenes, Total	0.00149	U	0.00657	0.00149	mg/Kg	☼		04/18/13 20:01	1
Bromodichloromethane	0.000868	U	0.00657	0.000868	mg/Kg	☼		04/18/13 20:01	1
1,2-Dichloroethene, Total	0.00250	U	0.0131	0.00250	mg/Kg	☼		04/18/13 20:01	1
Methyl tert-butyl ether	0.00241	U	0.00657	0.00241	mg/Kg	☼		04/18/13 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*		*04/18/13 20:01*	*1*
Dibromofluoromethane	*102*		*68 - 140*		*04/18/13 20:01*	*1*
4-Bromofluorobenzene	*123*		*57 - 140*		*04/18/13 20:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*61 - 130*		*04/18/13 20:01*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0189	U	0.219	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Acenaphthylene	0.0131	U	0.219	0.0131	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Anthracene	0.0168	U	0.219	0.0168	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzidine	0.118	U	1.09	0.118	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzo[a]anthracene	0.0181	U	0.219	0.0181	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzo[b]fluoranthene	0.0226	U	0.219	0.0226	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzo[k]fluoranthene	0.0195	U	0.219	0.0195	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzo[g,h,i]perylene	0.0665	U	0.219	0.0665	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzo[a]pyrene	0.0211	U	0.219	0.0211	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Bis(2-chloroethoxy)methane	0.0186	U	0.219	0.0186	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Bis(2-chloroethyl)ether	0.0216	U	0.219	0.0216	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Bis(2-ethylhexyl) phthalate	0.0705	U	0.875	0.0705	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Bromophenyl phenyl ether	0.0373	U	0.219	0.0373	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Butyl benzyl phthalate	0.0812	U	0.875	0.0812	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Chloroaniline	0.0764	U	0.219	0.0764	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Chloronaphthalene	0.0159	U	0.219	0.0159	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Chlorophenyl phenyl ether	0.0236	U	0.219	0.0236	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Carbazole	0.0409	U	0.219	0.0409	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Chrysene	0.0134	U	0.219	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Di-n-butyl phthalate	0.0340	U	0.875	0.0340	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Dibenz(a,h)anthracene	0.0476	U	0.219	0.0476	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Dibenzofuran	0.0234	U	0.219	0.0234	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
1,2-Dichlorobenzene	0.0396	U	0.219	0.0396	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-10 1'
Date Collected: 04/15/13 15:50
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-23
Matrix: Solid
Percent Solids: 76.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0202	U	0.219	0.0202	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
1,4-Dichlorobenzene	0.0295	U	0.219	0.0295	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
3,3'-Dichlorobenzidine	0.133	U	0.219	0.133	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Diethyl phthalate	0.111	U	0.875	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Dimethyl phthalate	0.0642	U	0.875	0.0642	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4-Dinitrotoluene	0.0474	U	0.219	0.0474	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Di-n-octyl phthalate	0.0249	U	0.875	0.0249	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Fluoranthene	0.0408	U	0.219	0.0408	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Fluorene	0.0310	U	0.219	0.0310	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Hexachlorobenzene	0.0199	U	0.219	0.0199	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Hexachlorocyclopentadiene	0.0605	U	0.219	0.0605	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Hexachloroethane	0.0303	U	0.219	0.0303	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Hexachlorobutadiene	0.0252	U	0.219	0.0252	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Indeno[1,2,3-cd]pyrene	0.0459	U	0.219	0.0459	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Isophorone	0.0131	U	0.219	0.0131	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Methylnaphthalene	0.0359	U	0.219	0.0359	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Naphthalene	0.0177	U	0.219	0.0177	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Nitroaniline	0.0642	U	0.219	0.0642	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
3-Nitroaniline	0.0938	U *	0.219	0.0938	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Nitroaniline	0.146	U	0.219	0.146	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Nitrobenzene	0.0388	U	0.219	0.0388	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
N-Nitrosodimethylamine	0.0550	U	0.219	0.0550	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
N-Nitrosodiphenylamine	0.0248	U	0.219	0.0248	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
N-Nitrosodi-n-propylamine	0.0291	U	0.219	0.0291	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Phenanthrene	0.0649	U	0.219	0.0649	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Pyrene	0.0240	U	0.219	0.0240	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
1,2,4-Trichlorobenzene	0.0276	U	0.219	0.0276	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Benzyl alcohol	0.0765	U	0.219	0.0765	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Chloro-3-methylphenol	0.204	U	0.219	0.204	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Chlorophenol	0.0258	U	0.219	0.0258	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Methylphenol	0.0424	U	0.219	0.0424	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
3 & 4 Methylphenol	0.0366	U	0.437	0.0366	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4-Dichlorophenol	0.0508	U	0.219	0.0508	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4-Dimethylphenol	0.113	U	0.219	0.113	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4,6-Dinitro-2-methylphenol	0.0653	U	0.219	0.0653	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4-Dinitrophenol	0.0619	U	1.31	0.0619	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2-Nitrophenol	0.0510	U	0.219	0.0510	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
4-Nitrophenol	0.0666	U	0.219	0.0666	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Pentachlorophenol	0.0525	U	2.19	0.0525	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
Phenol	0.0556	U	0.219	0.0556	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4,5-Trichlorophenol	0.131	U	0.219	0.131	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,4,6-Trichlorophenol	0.0352	U	0.219	0.0352	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
2,6-Dinitrotoluene	0.0387	U	0.219	0.0387	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10
bis (2-Chloroisopropyl) ether	0.116	U	0.219	0.116	mg/Kg	☼	04/18/13 11:47	04/19/13 21:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*83*		*43 - 125*	*04/18/13 11:47*	*04/19/13 21:16*	*10*
Terphenyl-d14	*103*		*56 - 123*	*04/18/13 11:47*	*04/19/13 21:16*	*10*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:47*	*04/19/13 21:16*	*10*
2-Fluorophenol	*82*		*41 - 122*	*04/18/13 11:47*	*04/19/13 21:16*	*10*

Client Sample ID: TP-10 1'

Lab Sample ID: 600-71692-23
Date Collected: 04/15/13 15:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	*30*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 21:16*	*10*
2,4,6-Tribromophenol	*56*		*34 - 122*	*04/18/13 11:47*	*04/19/13 21:16*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.00	U	13.1	5.00	mg/Kg	☼	04/17/13 15:21	04/18/13 23:35	1
>C12-C28	5.34	U	13.1	5.34	mg/Kg	☼	04/17/13 15:21	04/18/13 23:35	1
>C28-C35	5.34	U	13.1	5.34	mg/Kg	☼	04/17/13 15:21	04/18/13 23:35	1
C6-C35	9.83	U	13.1	9.83	mg/Kg	☼	04/17/13 15:21	04/18/13 23:35	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*105*		*70 - 130*	*04/17/13 15:21*	*04/18/13 23:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**136**		0.657	0.138	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
Cr	**21.5**		0.657	0.0665	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
Cd	**1.10**		0.329	0.0337	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
Ba	**129**	**b**	1.31	0.0394	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
As	**29.9**		1.31	0.286	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
Ag	0.156	U	0.657	0.156	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1
Se	**0.414**	**J**	2.63	0.340	mg/Kg	☼	04/17/13 15:26	04/18/13 14:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0266**	**J**	0.0636	0.00455	mg/Kg	☼	04/17/13 12:36	04/18/13 08:22	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**24**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**76**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-11 1'

Lab Sample ID: 600-71692-24
Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.6

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00225	U	0.0136	0.00225	mg/Kg	☼		04/18/13 20:25	1
Benzene	0.000856	U	0.00679	0.000856	mg/Kg	☼		04/18/13 20:25	1
Chlorobromomethane	0.00242	U	0.00679	0.00242	mg/Kg	☼		04/18/13 20:25	1
Bromoform	0.00186	U	0.00679	0.00186	mg/Kg	☼		04/18/13 20:25	1
Bromomethane	0.00113	U	0.0136	0.00113	mg/Kg	☼		04/18/13 20:25	1
2-Butanone (MEK)	0.00258	U	0.0136	0.00258	mg/Kg	☼		04/18/13 20:25	1
Carbon disulfide	0.000747	U	0.0136	0.000747	mg/Kg	☼		04/18/13 20:25	1
Carbon tetrachloride	0.00153	U	0.00679	0.00153	mg/Kg	☼		04/18/13 20:25	1
Dibromochloromethane	0.00128	U	0.00679	0.00128	mg/Kg	☼		04/18/13 20:25	1
Chlorobenzene	0.00130	U	0.00679	0.00130	mg/Kg	☼		04/18/13 20:25	1
Chloroethane	0.00190	U	0.0136	0.00190	mg/Kg	☼		04/18/13 20:25	1
Chloroform	0.000896	U	0.00679	0.000896	mg/Kg	☼		04/18/13 20:25	1

Client Sample ID: TP-11 1'
Date Collected: 04/15/13 16:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-24
Matrix: Solid
Percent Solids: 73.6

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.00225	U	0.0136	0.00225	mg/Kg	☼		04/18/13 20:25	1
1,1-Dichloroethane	0.00118	U	0.00679	0.00118	mg/Kg	☼		04/18/13 20:25	1
1,2-Dichloroethane	0.00122	U	0.00679	0.00122	mg/Kg	☼		04/18/13 20:25	1
1,1-Dichloroethene	0.00166	U	0.00679	0.00166	mg/Kg	☼		04/18/13 20:25	1
cis-1,2-Dichloroethene	0.00113	U	0.00679	0.00113	mg/Kg	☼		04/18/13 20:25	1
trans-1,2-Dichloroethene	0.00155	U	0.00679	0.00155	mg/Kg	☼		04/18/13 20:25	1
1,2-Dichloropropane	0.000964	U	0.00679	0.000964	mg/Kg	☼		04/18/13 20:25	1
cis-1,3-Dichloropropene	0.000733	U	0.00679	0.000733	mg/Kg	☼		04/18/13 20:25	1
trans-1,3-Dichloropropene	0.000788	U	0.00679	0.000788	mg/Kg	☼		04/18/13 20:25	1
Ethylbenzene	0.00139	U	0.00679	0.00139	mg/Kg	☼		04/18/13 20:25	1
2-Hexanone	0.00137	U	0.0136	0.00137	mg/Kg	☼		04/18/13 20:25	1
Methylene Chloride	0.00297	U	0.0136	0.00297	mg/Kg	☼		04/18/13 20:25	1
4-Methyl-2-pentanone (MIBK)	0.00200	U	0.0136	0.00200	mg/Kg	☼		04/18/13 20:25	1
Styrene	0.000964	U	0.00679	0.000964	mg/Kg	☼		04/18/13 20:25	1
1,1,2,2-Tetrachloroethane	0.00118	U	0.00679	0.00118	mg/Kg	☼		04/18/13 20:25	1
Tetrachloroethene	0.000964	U *	0.00679	0.000964	mg/Kg	☼		04/18/13 20:25	1
Toluene	0.00187	U	0.00679	0.00187	mg/Kg	☼		04/18/13 20:25	1
1,1,1-Trichloroethane	0.00100	U	0.00679	0.00100	mg/Kg	☼		04/18/13 20:25	1
1,1,2-Trichloroethane	0.000991	U	0.00679	0.000991	mg/Kg	☼		04/18/13 20:25	1
Trichloroethene	0.00190	U	0.00679	0.00190	mg/Kg	☼		04/18/13 20:25	1
Vinyl acetate	0.00126	U	0.00679	0.00126	mg/Kg	☼		04/18/13 20:25	1
Vinyl chloride	0.00122	U	0.0136	0.00122	mg/Kg	☼		04/18/13 20:25	1
o-Xylene	0.00153	U	0.00679	0.00153	mg/Kg	☼		04/18/13 20:25	1
m-Xylene & p-Xylene	0.00206	U	0.0136	0.00206	mg/Kg	☼		04/18/13 20:25	1
Xylenes, Total	0.00153	U	0.00679	0.00153	mg/Kg	☼		04/18/13 20:25	1
Bromodichloromethane	0.000896	U	0.00679	0.000896	mg/Kg	☼		04/18/13 20:25	1
1,2-Dichloroethene, Total	0.00258	U	0.0136	0.00258	mg/Kg	☼		04/18/13 20:25	1
Methyl tert-butyl ether	0.00249	U	0.00679	0.00249	mg/Kg	☼		04/18/13 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*50 - 130*		*04/18/13 20:25*	*1*
Dibromofluoromethane	*96*		*68 - 140*		*04/18/13 20:25*	*1*
4-Bromofluorobenzene	*118*		*57 - 140*		*04/18/13 20:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 130*		*04/18/13 20:25*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00977	U	0.113	0.00977	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Acenaphthylene	0.00679	U	0.113	0.00679	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Anthracene	0.00869	U	0.113	0.00869	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzidine	0.0612	U	0.565	0.0612	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzo[a]anthracene	0.00936	U	0.113	0.00936	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzo[b]fluoranthene	0.0117	U	0.113	0.0117	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzo[k]fluoranthene	0.0101	U	0.113	0.0101	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzo[g,h,i]perylene	0.0344	U	0.113	0.0344	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzo[a]pyrene	0.0109	U	0.113	0.0109	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Bis(2-chloroethoxy)methane	0.00964	U	0.113	0.00964	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Bis(2-chloroethyl)ether	0.0112	U	0.113	0.0112	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Bis(2-ethylhexyl) phthalate	0.0364	U	0.452	0.0364	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Bromophenyl phenyl ether	0.0193	U	0.113	0.0193	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5

Client Sample ID: TP-11 1'
Date Collected: 04/15/13 16:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-24
Matrix: Solid
Percent Solids: 73.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Butyl benzyl phthalate	0.0420	U	0.452	0.0420	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Chloroaniline	0.0395	U	0.113	0.0395	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Chloronaphthalene	0.00821	U	0.113	0.00821	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Chlorophenyl phenyl ether	0.0122	U	0.113	0.0122	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Carbazole	0.0212	U	0.113	0.0212	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Chrysene	0.00692	U	0.113	0.00692	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Di-n-butyl phthalate	0.0176	U	0.452	0.0176	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Dibenz(a,h)anthracene	0.0246	U	0.113	0.0246	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Dibenzofuran	0.0121	U	0.113	0.0121	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
1,2-Dichlorobenzene	0.0205	U	0.113	0.0205	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
1,3-Dichlorobenzene	0.0104	U	0.113	0.0104	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
1,4-Dichlorobenzene	0.0153	U	0.113	0.0153	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
3,3'-Dichlorobenzidine	0.0689	U	0.113	0.0689	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Diethyl phthalate	0.0572	U	0.452	0.0572	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Dimethyl phthalate	0.0332	U	0.452	0.0332	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4-Dinitrotoluene	0.0245	U	0.113	0.0245	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Di-n-octyl phthalate	0.0129	U	0.452	0.0129	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Fluoranthene	0.0211	U	0.113	0.0211	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Fluorene	0.0160	U	0.113	0.0160	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Hexachlorobenzene	0.0103	U	0.113	0.0103	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Hexachlorocyclopentadiene	0.0313	U	0.113	0.0313	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Hexachloroethane	0.0157	U	0.113	0.0157	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Hexachlorobutadiene	0.0130	U	0.113	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Indeno[1,2,3-cd]pyrene	0.0237	U	0.113	0.0237	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Isophorone	0.00679	U	0.113	0.00679	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Methylnaphthalene	0.0186	U	0.113	0.0186	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Naphthalene	0.00916	U	0.113	0.00916	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Nitroaniline	0.0332	U	0.113	0.0332	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
3-Nitroaniline	0.0485	U *	0.113	0.0485	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Nitroaniline	0.0757	U	0.113	0.0757	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Nitrobenzene	0.0201	U	0.113	0.0201	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
N-Nitrosodimethylamine	0.0284	U	0.113	0.0284	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
N-Nitrosodiphenylamine	0.0128	U	0.113	0.0128	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
N-Nitrosodi-n-propylamine	0.0151	U	0.113	0.0151	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Phenanthrene	0.0336	U	0.113	0.0336	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Pyrene	0.0124	U	0.113	0.0124	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
1,2,4-Trichlorobenzene	0.0142	U	0.113	0.0142	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Benzyl alcohol	0.0396	U	0.113	0.0396	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Chloro-3-methylphenol	0.106	U	0.113	0.106	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Chlorophenol	0.0134	U	0.113	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Methylphenol	0.0219	U	0.113	0.0219	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
3 & 4 Methylphenol	0.0189	U	0.226	0.0189	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4-Dichlorophenol	0.0263	U	0.113	0.0263	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4-Dimethylphenol	0.0582	U	0.113	0.0582	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4,6-Dinitro-2-methylphenol	0.0338	U	0.113	0.0338	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4-Dinitrophenol	0.0320	U	0.679	0.0320	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2-Nitrophenol	0.0264	U	0.113	0.0264	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
4-Nitrophenol	0.0345	U	0.113	0.0345	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
Pentachlorophenol	0.0271	U	1.13	0.0271	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5

Client Sample ID: TP-11 1'

Lab Sample ID: 600-71692-24
Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.6

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.0288	U	0.113	0.0288	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4,5-Trichlorophenol	0.0679	U	0.113	0.0679	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,4,6-Trichlorophenol	0.0182	U	0.113	0.0182	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
2,6-Dinitrotoluene	0.0200	U	0.113	0.0200	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5
bis (2-Chloroisopropyl) ether	0.0600	U	0.113	0.0600	mg/Kg	☼	04/18/13 11:47	04/19/13 21:42	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*71*		*43 - 125*	*04/18/13 11:47*	*04/19/13 21:42*	*5*
Terphenyl-d14	*81*		*56 - 123*	*04/18/13 11:47*	*04/19/13 21:42*	*5*
Nitrobenzene-d5	*66*		*34 - 118*	*04/18/13 11:47*	*04/19/13 21:42*	*5*
2-Fluorophenol	*76*		*41 - 122*	*04/18/13 11:47*	*04/19/13 21:42*	*5*
2-Fluorobiphenyl	*61*		*51 - 120*	*04/18/13 11:47*	*04/19/13 21:42*	*5*
2,4,6-Tribromophenol	*50*		*34 - 122*	*04/18/13 11:47*	*04/19/13 21:42*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.15	U	13.6	5.15	mg/Kg	☼	04/17/13 15:21	04/19/13 00:11	1
>C12-C28	5.50	U	13.6	5.50	mg/Kg	☼	04/17/13 15:21	04/19/13 00:11	1
>C28-C35	5.50	U	13.6	5.50	mg/Kg	☼	04/17/13 15:21	04/19/13 00:11	1
C6-C35	10.1	U	13.6	10.1	mg/Kg	☼	04/17/13 15:21	04/19/13 00:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*85*		*70 - 130*	*04/17/13 15:21*	*04/19/13 00:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**53.4**		0.623	0.131	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
Cr	**24.1**		0.623	0.0630	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
Cd	**0.473**		0.311	0.0319	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
Ba	**142**	**b**	1.25	0.0374	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
As	**24.5**		1.25	0.271	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
Ag	0.148	U	0.623	0.148	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1
Se	0.323	U	2.49	0.323	mg/Kg	☼	04/17/13 15:26	04/18/13 14:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0275**	**J**	0.0668	0.00478	mg/Kg	☼	04/17/13 12:36	04/18/13 08:24	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**74**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-11 1' Dup

Lab Sample ID: 600-71692-25
Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 75.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00220	U	0.0132	0.00220	mg/Kg	☼		04/18/13 20:48	1
Benzene	0.000834	U	0.00662	0.000834	mg/Kg	☼		04/18/13 20:48	1

Client Sample ID: TP-11 1' Dup
Date Collected: 04/15/13 16:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-25
Matrix: Solid
Percent Solids: 75.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobromomethane	0.00236	U	0.00662	0.00236	mg/Kg	☼		04/18/13 20:48	1
Bromoform	0.00181	U	0.00662	0.00181	mg/Kg	☼		04/18/13 20:48	1
Bromomethane	0.00110	U	0.0132	0.00110	mg/Kg	☼		04/18/13 20:48	1
2-Butanone (MEK)	0.00252	U	0.0132	0.00252	mg/Kg	☼		04/18/13 20:48	1
Carbon disulfide	0.000729	U	0.0132	0.000729	mg/Kg	☼		04/18/13 20:48	1
Carbon tetrachloride	0.00150	U	0.00662	0.00150	mg/Kg	☼		04/18/13 20:48	1
Dibromochloromethane	0.00125	U	0.00662	0.00125	mg/Kg	☼		04/18/13 20:48	1
Chlorobenzene	0.00127	U	0.00662	0.00127	mg/Kg	☼		04/18/13 20:48	1
Chloroethane	0.00185	U	0.0132	0.00185	mg/Kg	☼		04/18/13 20:48	1
Chloroform	0.000874	U	0.00662	0.000874	mg/Kg	☼		04/18/13 20:48	1
Chloromethane	0.00220	U	0.0132	0.00220	mg/Kg	☼		04/18/13 20:48	1
1,1-Dichloroethane	0.00115	U	0.00662	0.00115	mg/Kg	☼		04/18/13 20:48	1
1,2-Dichloroethane	0.00119	U	0.00662	0.00119	mg/Kg	☼		04/18/13 20:48	1
1,1-Dichloroethene	0.00162	U	0.00662	0.00162	mg/Kg	☼		04/18/13 20:48	1
cis-1,2-Dichloroethene	0.00110	U	0.00662	0.00110	mg/Kg	☼		04/18/13 20:48	1
trans-1,2-Dichloroethene	0.00151	U	0.00662	0.00151	mg/Kg	☼		04/18/13 20:48	1
1,2-Dichloropropane	0.000940	U	0.00662	0.000940	mg/Kg	☼		04/18/13 20:48	1
cis-1,3-Dichloropropene	0.000715	U	0.00662	0.000715	mg/Kg	☼		04/18/13 20:48	1
trans-1,3-Dichloropropene	0.000768	U	0.00662	0.000768	mg/Kg	☼		04/18/13 20:48	1
Ethylbenzene	0.00135	U	0.00662	0.00135	mg/Kg	☼		04/18/13 20:48	1
2-Hexanone	0.00134	U	0.0132	0.00134	mg/Kg	☼		04/18/13 20:48	1
Methylene Chloride	0.00290	U	0.0132	0.00290	mg/Kg	☼		04/18/13 20:48	1
4-Methyl-2-pentanone (MIBK)	0.00195	U	0.0132	0.00195	mg/Kg	☼		04/18/13 20:48	1
Styrene	0.000940	U	0.00662	0.000940	mg/Kg	☼		04/18/13 20:48	1
1,1,2,2-Tetrachloroethane	0.00115	U	0.00662	0.00115	mg/Kg	☼		04/18/13 20:48	1
Tetrachloroethene	0.000940	U *	0.00662	0.000940	mg/Kg	☼		04/18/13 20:48	1
Toluene	0.00183	U	0.00662	0.00183	mg/Kg	☼		04/18/13 20:48	1
1,1,1-Trichloroethane	0.000980	U	0.00662	0.000980	mg/Kg	☼		04/18/13 20:48	1
1,1,2-Trichloroethane	0.000967	U	0.00662	0.000967	mg/Kg	☼		04/18/13 20:48	1
Trichloroethene	0.00185	U	0.00662	0.00185	mg/Kg	☼		04/18/13 20:48	1
Vinyl acetate	0.00123	U	0.00662	0.00123	mg/Kg	☼		04/18/13 20:48	1
Vinyl chloride	0.00119	U	0.0132	0.00119	mg/Kg	☼		04/18/13 20:48	1
o-Xylene	0.00150	U	0.00662	0.00150	mg/Kg	☼		04/18/13 20:48	1
m-Xylene & p-Xylene	0.00201	U	0.0132	0.00201	mg/Kg	☼		04/18/13 20:48	1
Xylenes, Total	0.00150	U	0.00662	0.00150	mg/Kg	☼		04/18/13 20:48	1
Bromodichloromethane	0.000874	U	0.00662	0.000874	mg/Kg	☼		04/18/13 20:48	1
1,2-Dichloroethene, Total	0.00252	U	0.0132	0.00252	mg/Kg	☼		04/18/13 20:48	1
Methyl tert-butyl ether	0.00242	U	0.00662	0.00242	mg/Kg	☼		04/18/13 20:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*50 - 130*		*04/18/13 20:48*	*1*
Dibromofluoromethane	*91*		*68 - 140*		*04/18/13 20:48*	*1*
4-Bromofluorobenzene	*109*		*57 - 140*		*04/18/13 20:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*79*		*61 - 130*		*04/18/13 20:48*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00951	U	0.110	0.00951	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Acenaphthylene	0.00661	U	0.110	0.00661	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Anthracene	0.00845	U	0.110	0.00845	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TP-11 1' Dup
Date Collected: 04/15/13 16:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-25
Matrix: Solid
Percent Solids: 75.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzidine	0.0596	U	0.550	0.0596	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzo[a]anthracene	0.00912	U	0.110	0.00912	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzo[b]fluoranthene	0.0114	U	0.110	0.0114	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzo[k]fluoranthene	0.00984	U	0.110	0.00984	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzo[g,h,i]perylene	0.0335	U	0.110	0.0335	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzo[a]pyrene	0.0106	U	0.110	0.0106	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Bis(2-chloroethoxy)methane	0.00938	U	0.110	0.00938	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Bis(2-chloroethyl)ether	0.0109	U	0.110	0.0109	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Bis(2-ethylhexyl) phthalate	0.0355	U	0.440	0.0355	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Bromophenyl phenyl ether	0.0188	U	0.110	0.0188	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Butyl benzyl phthalate	0.0409	U	0.440	0.0409	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Chloroaniline	0.0384	U	0.110	0.0384	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2-Chloronaphthalene	0.00799	U	0.110	0.00799	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Chlorophenyl phenyl ether	0.0119	U	0.110	0.0119	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Carbazole	0.0206	U	0.110	0.0206	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Chrysene	0.00674	U	0.110	0.00674	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Di-n-butyl phthalate	0.0171	U	0.440	0.0171	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Dibenz(a,h)anthracene	0.0240	U	0.110	0.0240	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Dibenzofuran	0.0118	U	0.110	0.0118	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
1,2-Dichlorobenzene	0.0199	U	0.110	0.0199	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
1,3-Dichlorobenzene	0.0102	U	0.110	0.0102	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
1,4-Dichlorobenzene	0.0149	U	0.110	0.0149	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
3,3'-Dichlorobenzidine	0.0671	U	0.110	0.0671	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Diethyl phthalate	0.0557	U	0.440	0.0557	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Dimethyl phthalate	0.0323	U	0.440	0.0323	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4-Dinitrotoluene	0.0238	U	0.110	0.0238	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Di-n-octyl phthalate	0.0126	U	0.440	0.0126	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Fluoranthene	0.0205	U	0.110	0.0205	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Fluorene	0.0156	U	0.110	0.0156	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Hexachlorobenzene	0.0100	U	0.110	0.0100	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Hexachlorocyclopentadiene	0.0305	U	0.110	0.0305	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Hexachloroethane	0.0153	U	0.110	0.0153	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Hexachlorobutadiene	0.0127	U	0.110	0.0127	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Indeno[1,2,3-cd]pyrene	0.0231	U	0.110	0.0231	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Isophorone	0.00661	U	0.110	0.00661	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2-Methylnaphthalene	0.0181	U	0.110	0.0181	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Naphthalene	0.00892	U	0.110	0.00892	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2-Nitroaniline	0.0323	U	0.110	0.0323	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
3-Nitroaniline	0.0472	U *	0.110	0.0472	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Nitroaniline	0.0736	U	0.110	0.0736	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Nitrobenzene	0.0196	U	0.110	0.0196	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
N-Nitrosodimethylamine	0.0277	U	0.110	0.0277	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
N-Nitrosodiphenylamine	0.0125	U	0.110	0.0125	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
N-Nitrosodi-n-propylamine	0.0147	U	0.110	0.0147	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Phenanthrene	0.0327	U	0.110	0.0327	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Pyrene	0.0121	U	0.110	0.0121	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
1,2,4-Trichlorobenzene	0.0139	U	0.110	0.0139	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Benzyl alcohol	0.0385	U	0.110	0.0385	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Chloro-3-methylphenol	0.103	U	0.110	0.103	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5

Client Sample ID: TP-11 1' Dup
Date Collected: 04/15/13 16:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-25
Matrix: Solid
Percent Solids: 75.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	0.0130	U	0.110	0.0130	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2-Methylphenol	0.0213	U	0.110	0.0213	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
3 & 4 Methylphenol	0.0184	U	0.220	0.0184	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4-Dichlorophenol	0.0256	U	0.110	0.0256	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4-Dimethylphenol	0.0567	U	0.110	0.0567	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4,6-Dinitro-2-methylphenol	0.0329	U	0.110	0.0329	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4-Dinitrophenol	0.0312	U	0.661	0.0312	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2-Nitrophenol	0.0257	U	0.110	0.0257	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
4-Nitrophenol	0.0336	U	0.110	0.0336	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Pentachlorophenol	0.0264	U	1.10	0.0264	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
Phenol	0.0280	U	0.110	0.0280	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4,5-Trichlorophenol	0.0661	U	0.110	0.0661	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,4,6-Trichlorophenol	0.0177	U	0.110	0.0177	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
2,6-Dinitrotoluene	0.0195	U	0.110	0.0195	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5
bis (2-Chloroisopropyl) ether	0.0584	U	0.110	0.0584	mg/Kg	☼	04/18/13 11:47	04/19/13 22:09	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*63*		*43 - 125*	*04/18/13 11:47*	*04/19/13 22:09*	*5*
Terphenyl-d14	*79*		*56 - 123*	*04/18/13 11:47*	*04/19/13 22:09*	*5*
Nitrobenzene-d5	*68*		*34 - 118*	*04/18/13 11:47*	*04/19/13 22:09*	*5*
2-Fluorophenol	*72*		*41 - 122*	*04/18/13 11:47*	*04/19/13 22:09*	*5*
2-Fluorobiphenyl	*52*		*51 - 120*	*04/18/13 11:47*	*04/19/13 22:09*	*5*
2,4,6-Tribromophenol	*53*		*34 - 122*	*04/18/13 11:47*	*04/19/13 22:09*	*5*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.01	U	13.2	5.01	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
>C12-C28	5.36	U	13.2	5.36	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
>C28-C35	5.36	U	13.2	5.36	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1
C6-C35	9.87	U	13.2	9.87	mg/Kg	☼	04/17/13 15:21	04/19/13 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*111*		*70 - 130*	*04/17/13 15:21*	*04/19/13 01:23*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**39.0**		0.643	0.135	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
Cr	**23.1**		0.643	0.0651	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
Cd	**0.508**		0.322	0.0330	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
Ba	**139**	**b**	1.29	0.0386	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
As	**19.8**		1.29	0.280	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
Ag	0.153	U	0.643	0.153	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1
Se	**0.694**	**J**	2.57	0.333	mg/Kg	☼	04/18/13 16:28	04/19/13 16:14	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0316**	**J**	0.0602	0.00431	mg/Kg	☼	04/17/13 12:36	04/18/13 08:26	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**25**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-11 1' Dup

Lab Sample ID: 600-71692-25

Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43

General Chemistry (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	75		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-12 1'

Lab Sample ID: 600-71692-26

Date Collected: 04/15/13 16:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00200	U	0.0120	0.00200	mg/Kg	☼		04/19/13 11:05	1
Benzene	0.000759	U	0.00602	0.000759	mg/Kg	☼		04/19/13 11:05	1
Chlorobromomethane	0.00214	U	0.00602	0.00214	mg/Kg	☼		04/19/13 11:05	1
Bromoform	0.00165	U	0.00602	0.00165	mg/Kg	☼		04/19/13 11:05	1
Bromomethane	0.000999	U	0.0120	0.000999	mg/Kg	☼		04/19/13 11:05	1
2-Butanone (MEK)	0.00229	U	0.0120	0.00229	mg/Kg	☼		04/19/13 11:05	1
Carbon disulfide	0.000662	U	0.0120	0.000662	mg/Kg	☼		04/19/13 11:05	1
Carbon tetrachloride	0.00136	U	0.00602	0.00136	mg/Kg	☼		04/19/13 11:05	1
Dibromochloromethane	0.00113	U	0.00602	0.00113	mg/Kg	☼		04/19/13 11:05	1
Chlorobenzene	0.00116	U	0.00602	0.00116	mg/Kg	☼		04/19/13 11:05	1
Chloroethane	0.00169	U	0.0120	0.00169	mg/Kg	☼		04/19/13 11:05	1
Chloroform	0.000795	U	0.00602	0.000795	mg/Kg	☼		04/19/13 11:05	1
Chloromethane	0.00200	U	0.0120	0.00200	mg/Kg	☼		04/19/13 11:05	1
1,1-Dichloroethane	0.00105	U	0.00602	0.00105	mg/Kg	☼		04/19/13 11:05	1
1,2-Dichloroethane	0.00108	U	0.00602	0.00108	mg/Kg	☼		04/19/13 11:05	1
1,1-Dichloroethene	0.00147	U	0.00602	0.00147	mg/Kg	☼		04/19/13 11:05	1
cis-1,2-Dichloroethene	0.000999	U	0.00602	0.000999	mg/Kg	☼		04/19/13 11:05	1
trans-1,2-Dichloroethene	0.00137	U	0.00602	0.00137	mg/Kg	☼		04/19/13 11:05	1
1,2-Dichloropropane	0.000855	U	0.00602	0.000855	mg/Kg	☼		04/19/13 11:05	1
cis-1,3-Dichloropropene	0.000650	U	0.00602	0.000650	mg/Kg	☼		04/19/13 11:05	1
trans-1,3-Dichloropropene	0.000698	U	0.00602	0.000698	mg/Kg	☼		04/19/13 11:05	1
Ethylbenzene	0.00123	U	0.00602	0.00123	mg/Kg	☼		04/19/13 11:05	1
2-Hexanone	0.00122	U	0.0120	0.00122	mg/Kg	☼		04/19/13 11:05	1
Methylene Chloride	0.00592	J	0.0120	0.00264	mg/Kg	☼		04/19/13 11:05	1
4-Methyl-2-pentanone (MIBK)	0.00177	U	0.0120	0.00177	mg/Kg	☼		04/19/13 11:05	1
Styrene	0.000855	U	0.00602	0.000855	mg/Kg	☼		04/19/13 11:05	1
1,1,2,2-Tetrachloroethane	0.00105	U	0.00602	0.00105	mg/Kg	☼		04/19/13 11:05	1
Tetrachloroethene	0.000855	U	0.00602	0.000855	mg/Kg	☼		04/19/13 11:05	1
Toluene	0.00166	U	0.00602	0.00166	mg/Kg	☼		04/19/13 11:05	1
1,1,1-Trichloroethane	0.000891	U	0.00602	0.000891	mg/Kg	☼		04/19/13 11:05	1
1,1,2-Trichloroethane	0.000879	U	0.00602	0.000879	mg/Kg	☼		04/19/13 11:05	1
Trichloroethene	0.00169	U	0.00602	0.00169	mg/Kg	☼		04/19/13 11:05	1
Vinyl acetate	0.00112	U	0.00602	0.00112	mg/Kg	☼		04/19/13 11:05	1
Vinyl chloride	0.00108	U	0.0120	0.00108	mg/Kg	☼		04/19/13 11:05	1
o-Xylene	0.00136	U	0.00602	0.00136	mg/Kg	☼		04/19/13 11:05	1
m-Xylene & p-Xylene	0.00183	U	0.0120	0.00183	mg/Kg	☼		04/19/13 11:05	1
Xylenes, Total	0.00136	U	0.00602	0.00136	mg/Kg	☼		04/19/13 11:05	1
Bromodichloromethane	0.000795	U	0.00602	0.000795	mg/Kg	☼		04/19/13 11:05	1
1,2-Dichloroethene, Total	0.00229	U	0.0120	0.00229	mg/Kg	☼		04/19/13 11:05	1
Methyl tert-butyl ether	0.00220	U	0.00602	0.00220	mg/Kg	☼		04/19/13 11:05	1

Client Sample ID: TP-12 1'
Date Collected: 04/15/13 16:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-26
Matrix: Solid
Percent Solids: 83.0

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	88		50 - 130		04/19/13 11:05	1
Dibromofluoromethane	85		68 - 140		04/19/13 11:05	1
4-Bromofluorobenzene	112		57 - 140		04/19/13 11:05	1
1,2-Dichloroethane-d4 (Surr)	71		61 - 130		04/19/13 11:05	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0173	U	0.201	0.0173	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Acenaphthylene	0.0120	U	0.201	0.0120	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Anthracene	**0.0960**	**J**	0.201	0.0154	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzidine	0.109	U	1.00	0.109	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzo[a]anthracene	0.0166	U	0.201	0.0166	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzo[b]fluoranthene	**0.207**		0.201	0.0207	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzo[k]fluoranthene	0.0179	U	0.201	0.0179	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzo[g,h,i]perylene	**0.0668**	**J**	0.201	0.0611	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzo[a]pyrene	**0.100**	**J**	0.201	0.0194	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Bis(2-chloroethoxy)methane	0.0171	U	0.201	0.0171	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Bis(2-chloroethyl)ether	0.0199	U	0.201	0.0199	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Bis(2-ethylhexyl) phthalate	0.0647	U	0.803	0.0647	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Bromophenyl phenyl ether	0.0342	U	0.201	0.0342	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Butyl benzyl phthalate	0.0745	U	0.803	0.0745	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Chloroaniline	0.0701	U	0.201	0.0701	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Chloronaphthalene	0.0146	U	0.201	0.0146	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Chlorophenyl phenyl ether	0.0217	U	0.201	0.0217	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Carbazole	0.0376	U	0.201	0.0376	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Chrysene	**0.0496**	**J**	0.201	0.0123	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Di-n-butyl phthalate	0.0312	U	0.803	0.0312	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Dibenz(a,h)anthracene	0.0437	U	0.201	0.0437	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Dibenzofuran	0.0214	U	0.201	0.0214	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
1,2-Dichlorobenzene	0.0364	U	0.201	0.0364	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
1,3-Dichlorobenzene	0.0185	U	0.201	0.0185	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
1,4-Dichlorobenzene	0.0271	U	0.201	0.0271	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
3,3'-Dichlorobenzidine	0.122	U	0.201	0.122	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Diethyl phthalate	0.102	U	0.803	0.102	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Dimethyl phthalate	0.0589	U	0.803	0.0589	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4-Dinitrotoluene	0.0435	U	0.201	0.0435	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Di-n-octyl phthalate	0.0229	U	0.803	0.0229	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Fluoranthene	0.0375	U	0.201	0.0375	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Fluorene	0.0284	U	0.201	0.0284	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Hexachlorobenzene	0.0183	U	0.201	0.0183	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Hexachlorocyclopentadiene	0.0555	U	0.201	0.0555	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Hexachloroethane	0.0278	U	0.201	0.0278	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Hexachlorobutadiene	0.0231	U	0.201	0.0231	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Indeno[1,2,3-cd]pyrene	**0.0659**	**J**	0.201	0.0421	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Isophorone	0.0120	U	0.201	0.0120	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Methylnaphthalene	0.0330	U	0.201	0.0330	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Naphthalene	0.0163	U	0.201	0.0163	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Nitroaniline	0.0589	U	0.201	0.0589	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
3-Nitroaniline	0.0861	U *	0.201	0.0861	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Nitroaniline	0.134	U	0.201	0.134	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10

Client Sample ID: TP-12 1'
Date Collected: 04/15/13 16:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-26
Matrix: Solid
Percent Solids: 83.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0356	U	0.201	0.0356	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
N-Nitrosodimethylamine	0.0505	U	0.201	0.0505	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
N-Nitrosodiphenylamine	0.0228	U	0.201	0.0228	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
N-Nitrosodi-n-propylamine	0.0267	U	0.201	0.0267	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Phenanthrene	0.0596	U	0.201	0.0596	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Pyrene	**0.0903**	**J**	0.201	0.0220	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
1,2,4-Trichlorobenzene	0.0253	U	0.201	0.0253	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Benzyl alcohol	0.0702	U	0.201	0.0702	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Chloro-3-methylphenol	0.188	U	0.201	0.188	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Chlorophenol	0.0237	U	0.201	0.0237	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Methylphenol	0.0389	U	0.201	0.0389	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
3 & 4 Methylphenol	0.0336	U	0.401	0.0336	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4-Dichlorophenol	0.0466	U	0.201	0.0466	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4-Dimethylphenol	0.103	U	0.201	0.103	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4,6-Dinitro-2-methylphenol	0.0600	U	0.201	0.0600	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4-Dinitrophenol	0.0568	U	1.20	0.0568	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2-Nitrophenol	0.0468	U	0.201	0.0468	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
4-Nitrophenol	0.0612	U	0.201	0.0612	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Pentachlorophenol	0.0482	U	2.01	0.0482	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
Phenol	0.0511	U	0.201	0.0511	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4,5-Trichlorophenol	0.121	U	0.201	0.121	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,4,6-Trichlorophenol	0.0323	U	0.201	0.0323	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
2,6-Dinitrotoluene	0.0355	U	0.201	0.0355	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10
bis (2-Chloroisopropyl) ether	0.106	U	0.201	0.106	mg/Kg	☼	04/18/13 11:47	04/19/13 22:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*72*		*43 - 125*	*04/18/13 11:47*	*04/19/13 22:36*	*10*
Terphenyl-d14	*88*		*56 - 123*	*04/18/13 11:47*	*04/19/13 22:36*	*10*
Nitrobenzene-d5	*71*		*34 - 118*	*04/18/13 11:47*	*04/19/13 22:36*	*10*
2-Fluorophenol	*72*		*41 - 122*	*04/18/13 11:47*	*04/19/13 22:36*	*10*
2-Fluorobiphenyl	*27*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 22:36*	*10*
2,4,6-Tribromophenol	*58*		*34 - 122*	*04/18/13 11:47*	*04/19/13 22:36*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.58	U	12.0	4.58	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
>C12-C28	4.89	U	12.0	4.89	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
>C28-C35	4.89	U	12.0	4.89	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1
C6-C35	9.01	U	12.0	9.01	mg/Kg	☼	04/17/13 15:21	04/19/13 01:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*70 - 130*	*04/17/13 15:21*	*04/19/13 01:59*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**48.8**		0.590	0.124	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1
Cr	**18.4**		0.590	0.0597	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1
Cd	**0.578**		0.295	0.0303	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1
Ba	**106**	**b**	1.18	0.0354	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1
As	**15.4**		1.18	0.257	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1

Client Sample ID: TP-12 1'

Lab Sample ID: 600-71692-26
Date Collected: 04/15/13 16:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ag	0.140	U	0.590	0.140	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1
Se	**0.514**	**J**	2.36	0.306	mg/Kg	☼	04/18/13 16:28	04/19/13 16:16	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0343**	**J**	0.0602	0.00431	mg/Kg	☼	04/17/13 12:36	04/18/13 08:28	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**83**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-13 1'

Lab Sample ID: 600-71692-27
Date Collected: 04/15/13 16:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00184	U	0.0111	0.00184	mg/Kg	☼		04/19/13 11:29	1
Benzene	0.000698	U	0.00554	0.000698	mg/Kg	☼		04/19/13 11:29	1
Chlorobromomethane	0.00197	U	0.00554	0.00197	mg/Kg	☼		04/19/13 11:29	1
Bromoform	0.00152	U	0.00554	0.00152	mg/Kg	☼		04/19/13 11:29	1
Bromomethane	0.000919	U	0.0111	0.000919	mg/Kg	☼		04/19/13 11:29	1
2-Butanone (MEK)	0.00210	U	0.0111	0.00210	mg/Kg	☼		04/19/13 11:29	1
Carbon disulfide	0.000609	U	0.0111	0.000609	mg/Kg	☼		04/19/13 11:29	1
Carbon tetrachloride	0.00125	U	0.00554	0.00125	mg/Kg	☼		04/19/13 11:29	1
Dibromochloromethane	0.00104	U	0.00554	0.00104	mg/Kg	☼		04/19/13 11:29	1
Chlorobenzene	0.00106	U	0.00554	0.00106	mg/Kg	☼		04/19/13 11:29	1
Chloroethane	0.00155	U	0.0111	0.00155	mg/Kg	☼		04/19/13 11:29	1
Chloroform	0.000731	U	0.00554	0.000731	mg/Kg	☼		04/19/13 11:29	1
Chloromethane	0.00184	U	0.0111	0.00184	mg/Kg	☼		04/19/13 11:29	1
1,1-Dichloroethane	0.000963	U	0.00554	0.000963	mg/Kg	☼		04/19/13 11:29	1
1,2-Dichloroethane	0.000996	U	0.00554	0.000996	mg/Kg	☼		04/19/13 11:29	1
1,1-Dichloroethene	0.00135	U	0.00554	0.00135	mg/Kg	☼		04/19/13 11:29	1
cis-1,2-Dichloroethene	0.000919	U	0.00554	0.000919	mg/Kg	☼		04/19/13 11:29	1
trans-1,2-Dichloroethene	0.00126	U	0.00554	0.00126	mg/Kg	☼		04/19/13 11:29	1
1,2-Dichloropropane	0.000786	U	0.00554	0.000786	mg/Kg	☼		04/19/13 11:29	1
cis-1,3-Dichloropropene	0.000598	U	0.00554	0.000598	mg/Kg	☼		04/19/13 11:29	1
trans-1,3-Dichloropropene	0.000642	U	0.00554	0.000642	mg/Kg	☼		04/19/13 11:29	1
Ethylbenzene	0.00113	U	0.00554	0.00113	mg/Kg	☼		04/19/13 11:29	1
2-Hexanone	0.00112	U	0.0111	0.00112	mg/Kg	☼		04/19/13 11:29	1
Methylene Chloride	**0.00374**	**J**	0.0111	0.00242	mg/Kg	☼		04/19/13 11:29	1
4-Methyl-2-pentanone (MIBK)	0.00163	U	0.0111	0.00163	mg/Kg	☼		04/19/13 11:29	1
Styrene	0.000786	U	0.00554	0.000786	mg/Kg	☼		04/19/13 11:29	1
1,1,2,2-Tetrachloroethane	0.000963	U	0.00554	0.000963	mg/Kg	☼		04/19/13 11:29	1
Tetrachloroethene	0.000786	U	0.00554	0.000786	mg/Kg	☼		04/19/13 11:29	1
Toluene	0.00153	U	0.00554	0.00153	mg/Kg	☼		04/19/13 11:29	1
1,1,1-Trichloroethane	0.000819	U	0.00554	0.000819	mg/Kg	☼		04/19/13 11:29	1
1,1,2-Trichloroethane	0.000808	U	0.00554	0.000808	mg/Kg	☼		04/19/13 11:29	1
Trichloroethene	0.00155	U	0.00554	0.00155	mg/Kg	☼		04/19/13 11:29	1

Client Sample ID: TP-13 1'
Lab Sample ID: 600-71692-27
Date Collected: 04/15/13 16:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 90.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.00103	U	0.00554	0.00103	mg/Kg	☼		04/19/13 11:29	1
Vinyl chloride	0.000996	U	0.0111	0.000996	mg/Kg	☼		04/19/13 11:29	1
o-Xylene	0.00125	U	0.00554	0.00125	mg/Kg	☼		04/19/13 11:29	1
m-Xylene & p-Xylene	0.00168	U	0.0111	0.00168	mg/Kg	☼		04/19/13 11:29	1
Xylenes, Total	0.00125	U	0.00554	0.00125	mg/Kg	☼		04/19/13 11:29	1
Bromodichloromethane	0.000731	U	0.00554	0.000731	mg/Kg	☼		04/19/13 11:29	1
1,2-Dichloroethene, Total	0.00210	U	0.0111	0.00210	mg/Kg	☼		04/19/13 11:29	1
Methyl tert-butyl ether	0.00203	U	0.00554	0.00203	mg/Kg	☼		04/19/13 11:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*50 - 130*		*04/19/13 11:29*	*1*
Dibromofluoromethane	*91*		*68 - 140*		*04/19/13 11:29*	*1*
4-Bromofluorobenzene	*116*		*57 - 140*		*04/19/13 11:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*61 - 130*		*04/19/13 11:29*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0159	U	0.184	0.0159	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Acenaphthylene	0.0111	U	0.184	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Anthracene	0.0142	U	0.184	0.0142	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzidine	0.0998	U	0.922	0.0998	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzo[a]anthracene	0.0153	U	0.184	0.0153	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzo[b]fluoranthene	0.0190	U	0.184	0.0190	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzo[k]fluoranthene	0.0165	U	0.184	0.0165	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzo[g,h,i]perylene	0.0561	U	0.184	0.0561	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzo[a]pyrene	0.0178	U	0.184	0.0178	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Bis(2-chloroethoxy)methane	0.0157	U	0.184	0.0157	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Bis(2-chloroethyl)ether	0.0183	U	0.184	0.0183	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Bis(2-ethylhexyl) phthalate	0.0594	U	0.738	0.0594	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Bromophenyl phenyl ether	0.0314	U	0.184	0.0314	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Butyl benzyl phthalate	0.0685	U	0.738	0.0685	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Chloroaniline	0.0644	U	0.184	0.0644	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Chloronaphthalene	0.0134	U	0.184	0.0134	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Chlorophenyl phenyl ether	0.0199	U	0.184	0.0199	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Carbazole	0.0345	U	0.184	0.0345	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Chrysene	0.0113	U	0.184	0.0113	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Di-n-butyl phthalate	0.0287	U	0.738	0.0287	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Dibenz(a,h)anthracene	0.0402	U	0.184	0.0402	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Dibenzofuran	0.0197	U	0.184	0.0197	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
1,2-Dichlorobenzene	0.0334	U	0.184	0.0334	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
1,3-Dichlorobenzene	0.0170	U	0.184	0.0170	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
1,4-Dichlorobenzene	0.0249	U	0.184	0.0249	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
3,3'-Dichlorobenzidine	0.112	U	0.184	0.112	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Diethyl phthalate	0.0933	U	0.738	0.0933	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Dimethyl phthalate	0.0541	U	0.738	0.0541	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4-Dinitrotoluene	0.0399	U	0.184	0.0399	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Di-n-octyl phthalate	0.0210	U	0.738	0.0210	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Fluoranthene	0.0344	U	0.184	0.0344	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Fluorene	0.0261	U	0.184	0.0261	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Hexachlorobenzene	0.0168	U	0.184	0.0168	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10

Client Sample ID: TP-13 1'
Lab Sample ID: 600-71692-27
Date Collected: 04/15/13 16:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 90.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.0510	U	0.184	0.0510	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Hexachloroethane	0.0256	U	0.184	0.0256	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Hexachlorobutadiene	0.0212	U	0.184	0.0212	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Indeno[1,2,3-cd]pyrene	0.0387	U	0.184	0.0387	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Isophorone	0.0111	U	0.184	0.0111	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Methylnaphthalene	0.0303	U	0.184	0.0303	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Naphthalene	0.0149	U	0.184	0.0149	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Nitroaniline	0.0541	U	0.184	0.0541	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
3-Nitroaniline	0.0791	U *	0.184	0.0791	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Nitroaniline	0.123	U	0.184	0.123	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Nitrobenzene	0.0328	U	0.184	0.0328	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
N-Nitrosodimethylamine	0.0464	U	0.184	0.0464	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
N-Nitrosodiphenylamine	0.0209	U	0.184	0.0209	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
N-Nitrosodi-n-propylamine	0.0246	U	0.184	0.0246	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Phenanthrene	0.0548	U	0.184	0.0548	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Pyrene	0.0202	U	0.184	0.0202	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
1,2,4-Trichlorobenzene	0.0232	U	0.184	0.0232	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Benzyl alcohol	0.0645	U	0.184	0.0645	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Chloro-3-methylphenol	0.172	U	0.184	0.172	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Chlorophenol	0.0218	U	0.184	0.0218	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Methylphenol	0.0357	U	0.184	0.0357	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
3 & 4 Methylphenol	0.0309	U	0.369	0.0309	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4-Dichlorophenol	0.0428	U	0.184	0.0428	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4-Dimethylphenol	0.0949	U	0.184	0.0949	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4,6-Dinitro-2-methylphenol	0.0551	U	0.184	0.0551	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4-Dinitrophenol	0.0522	U	1.11	0.0522	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2-Nitrophenol	0.0430	U	0.184	0.0430	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
4-Nitrophenol	0.0562	U	0.184	0.0562	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Pentachlorophenol	0.0443	U	1.85	0.0443	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
Phenol	0.0469	U	0.184	0.0469	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4,5-Trichlorophenol	0.111	U	0.184	0.111	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,4,6-Trichlorophenol	0.0297	U	0.184	0.0297	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
2,6-Dinitrotoluene	0.0326	U	0.184	0.0326	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10
bis (2-Chloroisopropyl) ether	0.0978	U	0.184	0.0978	mg/Kg	☼	04/18/13 11:47	04/19/13 23:03	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*74*		*43 - 125*	*04/18/13 11:47*	*04/19/13 23:03*	*10*
Terphenyl-d14	*101*		*56 - 123*	*04/18/13 11:47*	*04/19/13 23:03*	*10*
Nitrobenzene-d5	*57*		*34 - 118*	*04/18/13 11:47*	*04/19/13 23:03*	*10*
2-Fluorophenol	*48*		*41 - 122*	*04/18/13 11:47*	*04/19/13 23:03*	*10*
2-Fluorobiphenyl	*20*	*X*	*51 - 120*	*04/18/13 11:47*	*04/19/13 23:03*	*10*
2,4,6-Tribromophenol	*64*		*34 - 122*	*04/18/13 11:47*	*04/19/13 23:03*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.19	U	11.0	4.19	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
>C12-C28	4.47	U	11.0	4.47	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
>C28-C35	4.47	U	11.0	4.47	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1
C6-C35	8.24	U	11.0	8.24	mg/Kg	☼	04/17/13 15:21	04/19/13 02:34	1

Client Sample ID: TP-13 1'

Lab Sample ID: 600-71692-27
Date Collected: 04/15/13 16:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 90.3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*70 - 130*	*04/17/13 15:21*	*04/19/13 02:34*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**22.0**		0.543	0.114	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
Cr	**7.41**		0.543	0.0549	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
Cd	**0.228**	**J**	0.271	0.0278	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
Ba	**49.9**	**b**	1.09	0.0326	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
As	**3.98**		1.09	0.237	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
Ag	0.129	U	0.543	0.129	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1
Se	0.281	U	2.17	0.281	mg/Kg	☼	04/18/13 16:28	04/19/13 16:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0177**	**J**	0.0536	0.00384	mg/Kg	☼	04/17/13 12:36	04/18/13 08:29	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.7**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**90**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: CF-1

Lab Sample ID: 600-71692-28
Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 82.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00202	U	0.0122	0.00202	mg/Kg	☼		04/19/13 11:53	1
Benzene	0.000766	U	0.00608	0.000766	mg/Kg	☼		04/19/13 11:53	1
Chlorobromomethane	0.00216	U	0.00608	0.00216	mg/Kg	☼		04/19/13 11:53	1
Bromoform	0.00167	U	0.00608	0.00167	mg/Kg	☼		04/19/13 11:53	1
Bromomethane	0.00101	U	0.0122	0.00101	mg/Kg	☼		04/19/13 11:53	1
2-Butanone (MEK)	0.00231	U	0.0122	0.00231	mg/Kg	☼		04/19/13 11:53	1
Carbon disulfide	0.000669	U	0.0122	0.000669	mg/Kg	☼		04/19/13 11:53	1
Carbon tetrachloride	0.00137	U	0.00608	0.00137	mg/Kg	☼		04/19/13 11:53	1
Dibromochloromethane	0.00114	U	0.00608	0.00114	mg/Kg	☼		04/19/13 11:53	1
Chlorobenzene	0.00117	U	0.00608	0.00117	mg/Kg	☼		04/19/13 11:53	1
Chloroethane	0.00170	U	0.0122	0.00170	mg/Kg	☼		04/19/13 11:53	1
Chloroform	0.000802	U	0.00608	0.000802	mg/Kg	☼		04/19/13 11:53	1
Chloromethane	0.00202	U	0.0122	0.00202	mg/Kg	☼		04/19/13 11:53	1
1,1-Dichloroethane	0.00106	U	0.00608	0.00106	mg/Kg	☼		04/19/13 11:53	1
1,2-Dichloroethane	0.00109	U	0.00608	0.00109	mg/Kg	☼		04/19/13 11:53	1
1,1-Dichloroethene	0.00148	U	0.00608	0.00148	mg/Kg	☼		04/19/13 11:53	1
cis-1,2-Dichloroethene	0.00101	U	0.00608	0.00101	mg/Kg	☼		04/19/13 11:53	1
trans-1,2-Dichloroethene	0.00139	U	0.00608	0.00139	mg/Kg	☼		04/19/13 11:53	1
1,2-Dichloropropane	0.000863	U	0.00608	0.000863	mg/Kg	☼		04/19/13 11:53	1
cis-1,3-Dichloropropene	0.000657	U	0.00608	0.000657	mg/Kg	☼		04/19/13 11:53	1
trans-1,3-Dichloropropene	0.000705	U	0.00608	0.000705	mg/Kg	☼		04/19/13 11:53	1
Ethylbenzene	0.00124	U	0.00608	0.00124	mg/Kg	☼		04/19/13 11:53	1
2-Hexanone	0.00123	U	0.0122	0.00123	mg/Kg	☼		04/19/13 11:53	1
Methylene Chloride	**0.00736**	**J**	0.0122	0.00266	mg/Kg	☼		04/19/13 11:53	1

Client Sample ID: CF-1
Date Collected: 04/16/13 08:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-28
Matrix: Solid
Percent Solids: 82.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.00179	U	0.0122	0.00179	mg/Kg	☼		04/19/13 11:53	1
Styrene	0.000863	U	0.00608	0.000863	mg/Kg	☼		04/19/13 11:53	1
1,1,2,2-Tetrachloroethane	0.00106	U	0.00608	0.00106	mg/Kg	☼		04/19/13 11:53	1
Tetrachloroethene	0.000863	U	0.00608	0.000863	mg/Kg	☼		04/19/13 11:53	1
Toluene	0.00168	U	0.00608	0.00168	mg/Kg	☼		04/19/13 11:53	1
1,1,1-Trichloroethane	0.000900	U	0.00608	0.000900	mg/Kg	☼		04/19/13 11:53	1
1,1,2-Trichloroethane	0.000888	U	0.00608	0.000888	mg/Kg	☼		04/19/13 11:53	1
Trichloroethene	0.00170	U	0.00608	0.00170	mg/Kg	☼		04/19/13 11:53	1
Vinyl acetate	0.00113	U	0.00608	0.00113	mg/Kg	☼		04/19/13 11:53	1
Vinyl chloride	0.00109	U	0.0122	0.00109	mg/Kg	☼		04/19/13 11:53	1
o-Xylene	0.00137	U	0.00608	0.00137	mg/Kg	☼		04/19/13 11:53	1
m-Xylene & p-Xylene	0.00185	U	0.0122	0.00185	mg/Kg	☼		04/19/13 11:53	1
Xylenes, Total	0.00137	U	0.00608	0.00137	mg/Kg	☼		04/19/13 11:53	1
Bromodichloromethane	0.000802	U	0.00608	0.000802	mg/Kg	☼		04/19/13 11:53	1
1,2-Dichloroethene, Total	0.00231	U	0.0122	0.00231	mg/Kg	☼		04/19/13 11:53	1
Methyl tert-butyl ether	0.00223	U	0.00608	0.00223	mg/Kg	☼		04/19/13 11:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*50 - 130*		*04/19/13 11:53*	*1*
Dibromofluoromethane	*87*		*68 - 140*		*04/19/13 11:53*	*1*
4-Bromofluorobenzene	*110*		*57 - 140*		*04/19/13 11:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*76*		*61 - 130*		*04/19/13 11:53*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0175	U	0.202	0.0175	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Acenaphthylene	0.0121	U	0.202	0.0121	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Anthracene	0.0155	U	0.202	0.0155	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzidine	0.109	U	1.01	0.109	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzo[a]anthracene	0.0167	U	0.202	0.0167	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzo[b]fluoranthene	0.0209	U	0.202	0.0209	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzo[k]fluoranthene	0.0181	U	0.202	0.0181	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzo[g,h,i]perylene	0.0615	U	0.202	0.0615	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzo[a]pyrene	0.0195	U	0.202	0.0195	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Bis(2-chloroethoxy)methane	0.0172	U	0.202	0.0172	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Bis(2-chloroethyl)ether	0.0200	U	0.202	0.0200	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Bis(2-ethylhexyl) phthalate	0.0652	U	0.809	0.0652	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Bromophenyl phenyl ether	0.0345	U	0.202	0.0345	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Butyl benzyl phthalate	0.0751	U	0.809	0.0751	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Chloroaniline	0.0706	U	0.202	0.0706	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Chloronaphthalene	0.0147	U	0.202	0.0147	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Chlorophenyl phenyl ether	0.0218	U	0.202	0.0218	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Carbazole	0.0379	U	0.202	0.0379	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Chrysene	0.0124	U	0.202	0.0124	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Di-n-butyl phthalate	0.0314	U	0.809	0.0314	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Dibenz(a,h)anthracene	0.0440	U	0.202	0.0440	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Dibenzofuran	0.0216	U	0.202	0.0216	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
1,2-Dichlorobenzene	0.0366	U	0.202	0.0366	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
1,3-Dichlorobenzene	0.0187	U	0.202	0.0187	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
1,4-Dichlorobenzene	0.0273	U	0.202	0.0273	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10

Client Sample ID: CF-1
Date Collected: 04/16/13 08:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-28
Matrix: Solid
Percent Solids: 82.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
3,3'-Dichlorobenzidine	0.123	U	0.202	0.123	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Diethyl phthalate	0.102	U	0.809	0.102	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Dimethyl phthalate	0.0593	U	0.809	0.0593	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4-Dinitrotoluene	0.0438	U	0.202	0.0438	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Di-n-octyl phthalate	0.0231	U	0.809	0.0231	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Fluoranthene	0.0377	U	0.202	0.0377	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Fluorene	0.0286	U	0.202	0.0286	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Hexachlorobenzene	0.0184	U	0.202	0.0184	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Hexachlorocyclopentadiene	0.0559	U	0.202	0.0559	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Hexachloroethane	0.0280	U	0.202	0.0280	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Hexachlorobutadiene	0.0233	U	0.202	0.0233	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Indeno[1,2,3-cd]pyrene	0.0425	U	0.202	0.0425	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Isophorone	0.0121	U	0.202	0.0121	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Methylnaphthalene	0.0332	U	0.202	0.0332	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Naphthalene	0.0164	U	0.202	0.0164	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Nitroaniline	0.0593	U	0.202	0.0593	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
3-Nitroaniline	0.0868	U	0.202	0.0868	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Nitroaniline	0.135	U	0.202	0.135	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Nitrobenzene	0.0359	U	0.202	0.0359	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
N-Nitrosodimethylamine	0.0508	U	0.202	0.0508	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
N-Nitrosodiphenylamine	0.0229	U	0.202	0.0229	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
N-Nitrosodi-n-propylamine	0.0269	U	0.202	0.0269	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Phenanthrene	0.0601	U	0.202	0.0601	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Pyrene	0.0222	U	0.202	0.0222	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
1,2,4-Trichlorobenzene	0.0255	U	0.202	0.0255	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Benzyl alcohol	0.0707	U	0.202	0.0707	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Chloro-3-methylphenol	0.189	U	0.202	0.189	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Chlorophenol	0.0239	U	0.202	0.0239	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Methylphenol	0.0392	U	0.202	0.0392	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
3 & 4 Methylphenol	0.0339	U	0.404	0.0339	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4-Dichlorophenol	0.0470	U	0.202	0.0470	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4-Dimethylphenol	0.104	U	0.202	0.104	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4,6-Dinitro-2-methylphenol	0.0604	U	0.202	0.0604	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4-Dinitrophenol	0.0573	U	1.21	0.0573	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2-Nitrophenol	0.0472	U	0.202	0.0472	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
4-Nitrophenol	0.0616	U	0.202	0.0616	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Pentachlorophenol	0.0485	U	2.03	0.0485	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
Phenol	0.0515	U	0.202	0.0515	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4,5-Trichlorophenol	0.121	U	0.202	0.121	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,4,6-Trichlorophenol	0.0325	U	0.202	0.0325	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
2,6-Dinitrotoluene	0.0358	U	0.202	0.0358	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10
bis (2-Chloroisopropyl) ether	0.107	U	0.202	0.107	mg/Kg	☼	04/18/13 11:48	04/19/13 23:29	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*61*		*43 - 125*	*04/18/13 11:48*	*04/19/13 23:29*	*10*
Terphenyl-d14	*115*		*56 - 123*	*04/18/13 11:48*	*04/19/13 23:29*	*10*
Nitrobenzene-d5	*61*		*34 - 118*	*04/18/13 11:48*	*04/19/13 23:29*	*10*
2-Fluorophenol	*31*	*X*	*41 - 122*	*04/18/13 11:48*	*04/19/13 23:29*	*10*
2-Fluorobiphenyl	*39*	*X*	*51 - 120*	*04/18/13 11:48*	*04/19/13 23:29*	*10*
2,4,6-Tribromophenol	*50*		*34 - 122*	*04/18/13 11:48*	*04/19/13 23:29*	*10*

Client Sample ID: CF-1
Lab Sample ID: 600-71692-28
Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 82.2

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.62	U	12.1	4.62	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
>C12-C28	4.93	U	12.1	4.93	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
>C28-C35	4.93	U	12.1	4.93	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1
C6-C35	9.09	U	12.1	9.09	mg/Kg	☼	04/17/13 15:21	04/19/13 03:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*103*		*70 - 130*	*04/17/13 15:21*	*04/19/13 03:10*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.13**		0.284	0.0291	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Barium	**72.2**	**b**	1.14	0.0341	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Silver	0.135	U	0.455	0.135	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Arsenic	**14.3**		1.14	0.248	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Lead	**217**		0.568	0.119	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Tin	**59.0**		1.14	0.0992	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Selenium	**0.795**	**J**	2.27	0.294	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1
Chromium	**16.6**		0.568	0.0575	mg/Kg	☼	04/18/13 16:28	04/19/13 17:38	1

Method: 6010B - Metals (ICP) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	**2070**		5.68	1.97	mg/Kg	☼	04/18/13 16:28	04/19/13 18:23	10

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0721**		0.0588	0.00421	mg/Kg	☼	04/17/13 12:36	04/18/13 08:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**82**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: CF-1 Dup
Lab Sample ID: 600-71692-29
Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 82.0

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00203	U	0.0122	0.00203	mg/Kg	☼		04/19/13 12:17	1
Benzene	0.000769	U	0.00610	0.000769	mg/Kg	☼		04/19/13 12:17	1
Chlorobromomethane	0.00217	U	0.00610	0.00217	mg/Kg	☼		04/19/13 12:17	1
Bromoform	0.00167	U	0.00610	0.00167	mg/Kg	☼		04/19/13 12:17	1
Bromomethane	0.00101	U	0.0122	0.00101	mg/Kg	☼		04/19/13 12:17	1
2-Butanone (MEK)	0.00232	U	0.0122	0.00232	mg/Kg	☼		04/19/13 12:17	1
Carbon disulfide	0.000671	U	0.0122	0.000671	mg/Kg	☼		04/19/13 12:17	1
Carbon tetrachloride	0.00138	U	0.00610	0.00138	mg/Kg	☼		04/19/13 12:17	1
Dibromochloromethane	0.00115	U	0.00610	0.00115	mg/Kg	☼		04/19/13 12:17	1
Chlorobenzene	0.00117	U	0.00610	0.00117	mg/Kg	☼		04/19/13 12:17	1
Chloroethane	0.00171	U	0.0122	0.00171	mg/Kg	☼		04/19/13 12:17	1
Chloroform	0.000805	U	0.00610	0.000805	mg/Kg	☼		04/19/13 12:17	1
Chloromethane	0.00203	U	0.0122	0.00203	mg/Kg	☼		04/19/13 12:17	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-1 Dup
Date Collected: 04/16/13 08:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-29
Matrix: Solid
Percent Solids: 82.0

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.00106	U	0.00610	0.00106	mg/Kg	☼		04/19/13 12:17	1
1,2-Dichloroethane	0.00110	U	0.00610	0.00110	mg/Kg	☼		04/19/13 12:17	1
1,1-Dichloroethene	0.00149	U	0.00610	0.00149	mg/Kg	☼		04/19/13 12:17	1
cis-1,2-Dichloroethene	0.00101	U	0.00610	0.00101	mg/Kg	☼		04/19/13 12:17	1
trans-1,2-Dichloroethene	0.00139	U	0.00610	0.00139	mg/Kg	☼		04/19/13 12:17	1
1,2-Dichloropropane	0.000866	U	0.00610	0.000866	mg/Kg	☼		04/19/13 12:17	1
cis-1,3-Dichloropropene	0.000659	U	0.00610	0.000659	mg/Kg	☼		04/19/13 12:17	1
trans-1,3-Dichloropropene	0.000708	U	0.00610	0.000708	mg/Kg	☼		04/19/13 12:17	1
Ethylbenzene	0.00124	U	0.00610	0.00124	mg/Kg	☼		04/19/13 12:17	1
2-Hexanone	0.00123	U	0.0122	0.00123	mg/Kg	☼		04/19/13 12:17	1
Methylene Chloride	**0.00273**	**J**	0.0122	0.00267	mg/Kg	☼		04/19/13 12:17	1
4-Methyl-2-pentanone (MIBK)	0.00179	U	0.0122	0.00179	mg/Kg	☼		04/19/13 12:17	1
Styrene	0.000866	U	0.00610	0.000866	mg/Kg	☼		04/19/13 12:17	1
1,1,2,2-Tetrachloroethane	0.00106	U	0.00610	0.00106	mg/Kg	☼		04/19/13 12:17	1
Tetrachloroethene	0.000866	U	0.00610	0.000866	mg/Kg	☼		04/19/13 12:17	1
Toluene	0.00168	U	0.00610	0.00168	mg/Kg	☼		04/19/13 12:17	1
1,1,1-Trichloroethane	0.000903	U	0.00610	0.000903	mg/Kg	☼		04/19/13 12:17	1
1,1,2-Trichloroethane	0.000891	U	0.00610	0.000891	mg/Kg	☼		04/19/13 12:17	1
Trichloroethene	0.00171	U	0.00610	0.00171	mg/Kg	☼		04/19/13 12:17	1
Vinyl acetate	0.00113	U	0.00610	0.00113	mg/Kg	☼		04/19/13 12:17	1
Vinyl chloride	0.00110	U	0.0122	0.00110	mg/Kg	☼		04/19/13 12:17	1
o-Xylene	0.00138	U	0.00610	0.00138	mg/Kg	☼		04/19/13 12:17	1
m-Xylene & p-Xylene	0.00185	U	0.0122	0.00185	mg/Kg	☼		04/19/13 12:17	1
Xylenes, Total	0.00138	U	0.00610	0.00138	mg/Kg	☼		04/19/13 12:17	1
Bromodichloromethane	0.000805	U	0.00610	0.000805	mg/Kg	☼		04/19/13 12:17	1
1,2-Dichloroethene, Total	0.00232	U	0.0122	0.00232	mg/Kg	☼		04/19/13 12:17	1
Methyl tert-butyl ether	0.00223	U	0.00610	0.00223	mg/Kg	☼		04/19/13 12:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*50 - 130*		*04/19/13 12:17*	*1*
Dibromofluoromethane	*95*		*68 - 140*		*04/19/13 12:17*	*1*
4-Bromofluorobenzene	*116*		*57 - 140*		*04/19/13 12:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*86*		*61 - 130*		*04/19/13 12:17*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0176	U	0.203	0.0176	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Acenaphthylene	0.0122	U	0.203	0.0122	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Anthracene	0.0156	U	0.203	0.0156	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzidine	0.110	U	1.02	0.110	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzo[a]anthracene	0.0168	U	0.203	0.0168	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzo[b]fluoranthene	0.0210	U	0.203	0.0210	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzo[k]fluoranthene	0.0182	U	0.203	0.0182	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzo[g,h,i]perylene	0.0618	U	0.203	0.0618	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzo[a]pyrene	0.0196	U	0.203	0.0196	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Bis(2-chloroethoxy)methane	0.0173	U	0.203	0.0173	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Bis(2-chloroethyl)ether	0.0201	U	0.203	0.0201	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Bis(2-ethylhexyl) phthalate	0.0655	U	0.813	0.0655	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4-Bromophenyl phenyl ether	0.0346	U	0.203	0.0346	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Butyl benzyl phthalate	0.0755	U	0.813	0.0755	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-1 Dup
Date Collected: 04/16/13 08:15
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-29
Matrix: Solid
Percent Solids: 82.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	0.0710	U	0.203	0.0710	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Chloronaphthalene	0.0148	U	0.203	0.0148	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4-Chlorophenyl phenyl ether	0.0219	U	0.203	0.0219	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Carbazole	0.0380	U	0.203	0.0380	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Chrysene	0.0124	U	0.203	0.0124	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Di-n-butyl phthalate	0.0316	U	0.813	0.0316	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Dibenz(a,h)anthracene	0.0443	U	0.203	0.0443	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Dibenzofuran	0.0217	U	0.203	0.0217	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
1,2-Dichlorobenzene	0.0368	U	0.203	0.0368	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
1,3-Dichlorobenzene	0.0188	U	0.203	0.0188	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
1,4-Dichlorobenzene	0.0274	U	0.203	0.0274	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
3,3'-Dichlorobenzidine	0.124	U	0.203	0.124	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Diethyl phthalate	0.103	U	0.813	0.103	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Dimethyl phthalate	0.0596	U	0.813	0.0596	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,4-Dinitrotoluene	0.0440	U	0.203	0.0440	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Di-n-octyl phthalate	0.0232	U	0.813	0.0232	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Fluoranthene	0.0379	U	0.203	0.0379	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Fluorene	0.0288	U	0.203	0.0288	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Hexachlorobenzene	0.0185	U	0.203	0.0185	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Hexachlorocyclopentadiene	0.0562	U	0.203	0.0562	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Hexachloroethane	0.0282	U	0.203	0.0282	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Hexachlorobutadiene	0.0234	U	0.203	0.0234	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Indeno[1,2,3-cd]pyrene	0.0427	U	0.203	0.0427	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Isophorone	0.0122	U	0.203	0.0122	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Methylnaphthalene	0.0334	U	0.203	0.0334	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Naphthalene	0.0165	U	0.203	0.0165	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Nitroaniline	0.0596	U	0.203	0.0596	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
3-Nitroaniline	0.0872	U	0.203	0.0872	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4-Nitroaniline	0.136	U	0.203	0.136	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Nitrobenzene	0.0361	U	0.203	0.0361	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
N-Nitrosodimethylamine	0.0511	U	0.203	0.0511	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
N-Nitrosodiphenylamine	0.0230	U	0.203	0.0230	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
N-Nitrosodi-n-propylamine	0.0271	U	0.203	0.0271	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Phenanthrene	0.0604	U	0.203	0.0604	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Pyrene	0.0223	U	0.203	0.0223	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
1,2,4-Trichlorobenzene	0.0256	U	0.203	0.0256	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Benzyl alcohol	0.0711	U	0.203	0.0711	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4-Chloro-3-methylphenol	0.190	U	0.203	0.190	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Chlorophenol	0.0240	U	0.203	0.0240	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Methylphenol	0.0394	U	0.203	0.0394	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
3 & 4 Methylphenol	0.0340	U	0.406	0.0340	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,4-Dichlorophenol	0.0472	U	0.203	0.0472	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,4-Dimethylphenol	0.105	U	0.203	0.105	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4,6-Dinitro-2-methylphenol	0.0607	U	0.203	0.0607	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,4-Dinitrophenol	0.0576	U	1.22	0.0576	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2-Nitrophenol	0.0474	U	0.203	0.0474	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
4-Nitrophenol	0.0619	U	0.203	0.0619	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Pentachlorophenol	0.0488	U	2.04	0.0488	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
Phenol	0.0517	U	0.203	0.0517	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10

Client Sample ID: CF-1 Dup
Lab Sample ID: 600-71692-29
Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 82.0

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.122	U	0.203	0.122	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,4,6-Trichlorophenol	0.0327	U	0.203	0.0327	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
2,6-Dinitrotoluene	0.0360	U	0.203	0.0360	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10
bis (2-Chloroisopropyl) ether	0.108	U	0.203	0.108	mg/Kg	☼	04/18/13 11:48	04/20/13 00:49	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*58*		*43 - 125*	*04/18/13 11:48*	*04/20/13 00:49*	*10*
Terphenyl-d14	*103*		*56 - 123*	*04/18/13 11:48*	*04/20/13 00:49*	*10*
Nitrobenzene-d5	*58*		*34 - 118*	*04/18/13 11:48*	*04/20/13 00:49*	*10*
2-Fluorophenol	*40*	*X*	*41 - 122*	*04/18/13 11:48*	*04/20/13 00:49*	*10*
2-Fluorobiphenyl	*29*	*X*	*51 - 120*	*04/18/13 11:48*	*04/20/13 00:49*	*10*
2,4,6-Tribromophenol	*49*		*34 - 122*	*04/18/13 11:48*	*04/20/13 00:49*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.64	U	12.2	4.64	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1
>C12-C28	4.95	U	12.2	4.95	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1
>C28-C35	4.95	U	12.2	4.95	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1
C6-C35	9.13	U	12.2	9.13	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*04/18/13 08:11*	*04/18/13 14:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.849**		0.299	0.0307	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Barium	**63.8**	**b**	1.20	0.0359	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Silver	0.142	U	0.478	0.142	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Arsenic	**19.9**		1.20	0.261	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Copper	**1470**		0.598	0.208	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Lead	**160**		0.598	0.125	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Tin	**41.6**		1.20	0.104	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Selenium	**0.795**	**J**	2.39	0.310	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1
Chromium	**17.6**		0.598	0.0605	mg/Kg	☼	04/18/13 16:28	04/19/13 17:40	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0582**	**J b**	0.0610	0.00437	mg/Kg	☼	04/17/13 13:00	04/18/13 08:39	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**82**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: CF-2
Lab Sample ID: 600-71692-30
Date Collected: 04/16/13 08:30
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 62.5

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00266	U	0.0160	0.00266	mg/Kg	☼		04/19/13 13:04	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-2
Date Collected: 04/16/13 08:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-30
Matrix: Solid
Percent Solids: 62.5

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00101	U	0.00800	0.00101	mg/Kg	☼		04/19/13 13:04	1
Chlorobromomethane	0.00285	U	0.00800	0.00285	mg/Kg	☼		04/19/13 13:04	1
Bromoform	0.00219	U	0.00800	0.00219	mg/Kg	☼		04/19/13 13:04	1
Bromomethane	0.00133	U	0.0160	0.00133	mg/Kg	☼		04/19/13 13:04	1
2-Butanone (MEK)	0.00304	U	0.0160	0.00304	mg/Kg	☼		04/19/13 13:04	1
Carbon disulfide	0.000880	U	0.0160	0.000880	mg/Kg	☼		04/19/13 13:04	1
Carbon tetrachloride	0.00181	U	0.00800	0.00181	mg/Kg	☼		04/19/13 13:04	1
Dibromochloromethane	0.00150	U	0.00800	0.00150	mg/Kg	☼		04/19/13 13:04	1
Chlorobenzene	0.00154	U	0.00800	0.00154	mg/Kg	☼		04/19/13 13:04	1
Chloroethane	0.00224	U	0.0160	0.00224	mg/Kg	☼		04/19/13 13:04	1
Chloroform	0.00106	U	0.00800	0.00106	mg/Kg	☼		04/19/13 13:04	1
Chloromethane	0.00266	U	0.0160	0.00266	mg/Kg	☼		04/19/13 13:04	1
1,1-Dichloroethane	0.00139	U	0.00800	0.00139	mg/Kg	☼		04/19/13 13:04	1
1,2-Dichloroethane	0.00144	U	0.00800	0.00144	mg/Kg	☼		04/19/13 13:04	1
1,1-Dichloroethene	0.00195	U	0.00800	0.00195	mg/Kg	☼		04/19/13 13:04	1
cis-1,2-Dichloroethene	0.00133	U	0.00800	0.00133	mg/Kg	☼		04/19/13 13:04	1
trans-1,2-Dichloroethene	0.00182	U	0.00800	0.00182	mg/Kg	☼		04/19/13 13:04	1
1,2-Dichloropropane	0.00114	U	0.00800	0.00114	mg/Kg	☼		04/19/13 13:04	1
cis-1,3-Dichloropropene	0.000864	U	0.00800	0.000864	mg/Kg	☼		04/19/13 13:04	1
trans-1,3-Dichloropropene	0.000928	U	0.00800	0.000928	mg/Kg	☼		04/19/13 13:04	1
Ethylbenzene	0.00163	U	0.00800	0.00163	mg/Kg	☼		04/19/13 13:04	1
2-Hexanone	0.00162	U	0.0160	0.00162	mg/Kg	☼		04/19/13 13:04	1
Methylene Chloride	0.00350	U	0.0160	0.00350	mg/Kg	☼		04/19/13 13:04	1
4-Methyl-2-pentanone (MIBK)	0.00235	U	0.0160	0.00235	mg/Kg	☼		04/19/13 13:04	1
Styrene	0.00114	U	0.00800	0.00114	mg/Kg	☼		04/19/13 13:04	1
1,1,2,2-Tetrachloroethane	0.00139	U	0.00800	0.00139	mg/Kg	☼		04/19/13 13:04	1
Tetrachloroethene	0.00114	U	0.00800	0.00114	mg/Kg	☼		04/19/13 13:04	1
Toluene	0.00221	U	0.00800	0.00221	mg/Kg	☼		04/19/13 13:04	1
1,1,1-Trichloroethane	0.00118	U	0.00800	0.00118	mg/Kg	☼		04/19/13 13:04	1
1,1,2-Trichloroethane	0.00117	U	0.00800	0.00117	mg/Kg	☼		04/19/13 13:04	1
Trichloroethene	0.00224	U	0.00800	0.00224	mg/Kg	☼		04/19/13 13:04	1
Vinyl acetate	0.00149	U	0.00800	0.00149	mg/Kg	☼		04/19/13 13:04	1
Vinyl chloride	0.00144	U	0.0160	0.00144	mg/Kg	☼		04/19/13 13:04	1
o-Xylene	0.00181	U	0.00800	0.00181	mg/Kg	☼		04/19/13 13:04	1
m-Xylene & p-Xylene	0.00243	U	0.0160	0.00243	mg/Kg	☼		04/19/13 13:04	1
Xylenes, Total	0.00181	U	0.00800	0.00181	mg/Kg	☼		04/19/13 13:04	1
Bromodichloromethane	0.00106	U	0.00800	0.00106	mg/Kg	☼		04/19/13 13:04	1
1,2-Dichloroethene, Total	0.00304	U	0.0160	0.00304	mg/Kg	☼		04/19/13 13:04	1
Methyl tert-butyl ether	0.00293	U	0.00800	0.00293	mg/Kg	☼		04/19/13 13:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*87*		*50 - 130*		*04/19/13 13:04*	*1*
Dibromofluoromethane	*93*		*68 - 140*		*04/19/13 13:04*	*1*
4-Bromofluorobenzene	*120*		*57 - 140*		*04/19/13 13:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*87*		*61 - 130*		*04/19/13 13:04*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0230	U	0.266	0.0230	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Acenaphthylene	0.0160	U	0.266	0.0160	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-2
Date Collected: 04/16/13 08:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-30
Matrix: Solid
Percent Solids: 62.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.0204	U	0.266	0.0204	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzidine	0.144	U	1.33	0.144	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzo[a]anthracene	0.0220	U	0.266	0.0220	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzo[b]fluoranthene	0.0275	U	0.266	0.0275	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzo[k]fluoranthene	0.0238	U	0.266	0.0238	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzo[g,h,i]perylene	0.0809	U	0.266	0.0809	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzo[a]pyrene	0.0257	U	0.266	0.0257	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Bis(2-chloroethoxy)methane	0.0227	U	0.266	0.0227	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Bis(2-chloroethyl)ether	0.0263	U	0.266	0.0263	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Bis(2-ethylhexyl) phthalate	0.0857	U	1.06	0.0857	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4-Bromophenyl phenyl ether	0.0453	U	0.266	0.0453	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Butyl benzyl phthalate	0.0988	U	1.06	0.0988	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4-Chloroaniline	0.0929	U	0.266	0.0929	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Chloronaphthalene	0.0193	U	0.266	0.0193	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4-Chlorophenyl phenyl ether	0.0287	U	0.266	0.0287	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Carbazole	0.0498	U	0.266	0.0498	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Chrysene	0.0163	U	0.266	0.0163	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Di-n-butyl phthalate	0.0413	U	1.06	0.0413	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Dibenz(a,h)anthracene	0.0579	U	0.266	0.0579	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Dibenzofuran	0.0284	U	0.266	0.0284	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
1,2-Dichlorobenzene	0.0482	U	0.266	0.0482	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
1,3-Dichlorobenzene	0.0246	U	0.266	0.0246	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
1,4-Dichlorobenzene	0.0359	U	0.266	0.0359	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
3,3'-Dichlorobenzidine	0.162	U	0.266	0.162	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Diethyl phthalate	0.135	U	1.06	0.135	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Dimethyl phthalate	0.0781	U	1.06	0.0781	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4-Dinitrotoluene	0.0576	U	0.266	0.0576	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Di-n-octyl phthalate	0.0303	U	1.06	0.0303	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Fluoranthene	0.0496	U	0.266	0.0496	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Fluorene	0.0377	U	0.266	0.0377	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Hexachlorobenzene	0.0243	U	0.266	0.0243	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Hexachlorocyclopentadiene	0.0736	U	0.266	0.0736	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Hexachloroethane	0.0369	U	0.266	0.0369	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Hexachlorobutadiene	0.0306	U	0.266	0.0306	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Indeno[1,2,3-cd]pyrene	0.0559	U	0.266	0.0559	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Isophorone	0.0160	U	0.266	0.0160	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Methylnaphthalene	0.0437	U	0.266	0.0437	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Naphthalene	0.0215	U	0.266	0.0215	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Nitroaniline	0.0781	U	0.266	0.0781	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
3-Nitroaniline	0.114	U	0.266	0.114	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4-Nitroaniline	0.178	U	0.266	0.178	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Nitrobenzene	0.0472	U	0.266	0.0472	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
N-Nitrosodimethylamine	0.0669	U	0.266	0.0669	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
N-Nitrosodiphenylamine	0.0302	U	0.266	0.0302	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
N-Nitrosodi-n-propylamine	0.0354	U	0.266	0.0354	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Phenanthrene	0.0790	U	0.266	0.0790	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Pyrene	0.0292	U	0.266	0.0292	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
1,2,4-Trichlorobenzene	0.0335	U	0.266	0.0335	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Benzyl alcohol	0.0931	U	0.266	0.0931	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10

Client Sample ID: CF-2
Date Collected: 04/16/13 08:30
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-30
Matrix: Solid
Percent Solids: 62.5

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloro-3-methylphenol	0.249	U	0.266	0.249	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Chlorophenol	0.0314	U	0.266	0.0314	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Methylphenol	0.0516	U	0.266	0.0516	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
3 & 4 Methylphenol	0.0445	U	0.532	0.0445	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4-Dichlorophenol	0.0618	U	0.266	0.0618	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4-Dimethylphenol	0.137	U	0.266	0.137	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4,6-Dinitro-2-methylphenol	0.0795	U	0.266	0.0795	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4-Dinitrophenol	0.0753	U	1.60	0.0753	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2-Nitrophenol	0.0621	U	0.266	0.0621	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
4-Nitrophenol	0.0811	U	0.266	0.0811	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Pentachlorophenol	0.0638	U	2.67	0.0638	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
Phenol	0.0677	U	0.266	0.0677	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4,5-Trichlorophenol	0.160	U	0.266	0.160	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,4,6-Trichlorophenol	0.0428	U	0.266	0.0428	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
2,6-Dinitrotoluene	0.0471	U	0.266	0.0471	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10
bis (2-Chloroisopropyl) ether	0.141	U	0.266	0.141	mg/Kg	☼	04/18/13 11:48	04/20/13 01:16	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*74*		*43 - 125*	*04/18/13 11:48*	*04/20/13 01:16*	*10*
Terphenyl-d14	*116*		*56 - 123*	*04/18/13 11:48*	*04/20/13 01:16*	*10*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:48*	*04/20/13 01:16*	*10*
2-Fluorophenol	*66*		*41 - 122*	*04/18/13 11:48*	*04/20/13 01:16*	*10*
2-Fluorobiphenyl	*47*	*X*	*51 - 120*	*04/18/13 11:48*	*04/20/13 01:16*	*10*
2,4,6-Tribromophenol	*61*		*34 - 122*	*04/18/13 11:48*	*04/20/13 01:16*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	6.06	U	15.9	6.06	mg/Kg	☼	04/18/13 08:11	04/18/13 13:22	1
>C12-C28	6.47	U	15.9	6.47	mg/Kg	☼	04/18/13 08:11	04/18/13 13:22	1
>C28-C35	6.47	U	15.9	6.47	mg/Kg	☼	04/18/13 08:11	04/18/13 13:22	1
C6-C35	11.9	U	15.9	11.9	mg/Kg	☼	04/18/13 08:11	04/18/13 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*70 - 130*	*04/18/13 08:11*	*04/18/13 13:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**1.09**		0.377	0.0387	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Barium	**85.8**	**b**	1.51	0.0453	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Silver	0.179	U	0.604	0.179	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Arsenic	**14.3**		1.51	0.329	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Copper	**25.1**		0.754	0.262	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Lead	**86.4**		0.754	0.158	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Tin	**2.84**		1.51	0.132	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Selenium	**0.951**	**J**	3.02	0.391	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1
Chromium	**20.5**		0.754	0.0764	mg/Kg	☼	04/18/13 16:28	04/19/13 17:43	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0436**	**J b**	0.0750	0.00537	mg/Kg	☼	04/17/13 13:00	04/18/13 08:50	1

Client Sample ID: CF-2

Lab Sample ID: 600-71692-30

Date Collected: 04/16/13 08:30

Matrix: Solid

Date Received: 04/17/13 08:43

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	37		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	63		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: CF-3

Lab Sample ID: 600-71692-31

Date Collected: 04/16/13 08:40

Matrix: Solid

Date Received: 04/17/13 08:43

Percent Solids: 79.8

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00208	U	0.0125	0.00208	mg/Kg	☼		04/19/13 13:27	1
Benzene	0.000790	U	0.00627	0.000790	mg/Kg	☼		04/19/13 13:27	1
Chlorobromomethane	0.00223	U	0.00627	0.00223	mg/Kg	☼		04/19/13 13:27	1
Bromoform	0.00172	U	0.00627	0.00172	mg/Kg	☼		04/19/13 13:27	1
Bromomethane	0.00104	U	0.0125	0.00104	mg/Kg	☼		04/19/13 13:27	1
2-Butanone (MEK)	0.00238	U	0.0125	0.00238	mg/Kg	☼		04/19/13 13:27	1
Carbon disulfide	0.000689	U	0.0125	0.000689	mg/Kg	☼		04/19/13 13:27	1
Carbon tetrachloride	0.00142	U	0.00627	0.00142	mg/Kg	☼		04/19/13 13:27	1
Dibromochloromethane	0.00118	U	0.00627	0.00118	mg/Kg	☼		04/19/13 13:27	1
Chlorobenzene	0.00120	U	0.00627	0.00120	mg/Kg	☼		04/19/13 13:27	1
Chloroethane	0.00175	U	0.0125	0.00175	mg/Kg	☼		04/19/13 13:27	1
Chloroform	0.000827	U	0.00627	0.000827	mg/Kg	☼		04/19/13 13:27	1
Chloromethane	0.00208	U	0.0125	0.00208	mg/Kg	☼		04/19/13 13:27	1
1,1-Dichloroethane	0.00109	U	0.00627	0.00109	mg/Kg	☼		04/19/13 13:27	1
1,2-Dichloroethane	0.00113	U	0.00627	0.00113	mg/Kg	☼		04/19/13 13:27	1
1,1-Dichloroethene	0.00153	U	0.00627	0.00153	mg/Kg	☼		04/19/13 13:27	1
cis-1,2-Dichloroethene	0.00104	U	0.00627	0.00104	mg/Kg	☼		04/19/13 13:27	1
trans-1,2-Dichloroethene	0.00143	U	0.00627	0.00143	mg/Kg	☼		04/19/13 13:27	1
1,2-Dichloropropane	0.000890	U	0.00627	0.000890	mg/Kg	☼		04/19/13 13:27	1
cis-1,3-Dichloropropene	0.000677	U	0.00627	0.000677	mg/Kg	☼		04/19/13 13:27	1
trans-1,3-Dichloropropene	0.000727	U	0.00627	0.000727	mg/Kg	☼		04/19/13 13:27	1
Ethylbenzene	0.00128	U	0.00627	0.00128	mg/Kg	☼		04/19/13 13:27	1
2-Hexanone	0.00127	U	0.0125	0.00127	mg/Kg	☼		04/19/13 13:27	1
Methylene Chloride	0.00275	U	0.0125	0.00275	mg/Kg	☼		04/19/13 13:27	1
4-Methyl-2-pentanone (MIBK)	0.00184	U	0.0125	0.00184	mg/Kg	☼		04/19/13 13:27	1
Styrene	0.000890	U	0.00627	0.000890	mg/Kg	☼		04/19/13 13:27	1
1,1,2,2-Tetrachloroethane	0.00109	U	0.00627	0.00109	mg/Kg	☼		04/19/13 13:27	1
Tetrachloroethene	0.000890	U	0.00627	0.000890	mg/Kg	☼		04/19/13 13:27	1
Toluene	0.00173	U	0.00627	0.00173	mg/Kg	☼		04/19/13 13:27	1
1,1,1-Trichloroethane	0.000928	U	0.00627	0.000928	mg/Kg	☼		04/19/13 13:27	1
1,1,2-Trichloroethane	0.000915	U	0.00627	0.000915	mg/Kg	☼		04/19/13 13:27	1
Trichloroethene	0.00175	U	0.00627	0.00175	mg/Kg	☼		04/19/13 13:27	1
Vinyl acetate	0.00117	U	0.00627	0.00117	mg/Kg	☼		04/19/13 13:27	1
Vinyl chloride	0.00113	U	0.0125	0.00113	mg/Kg	☼		04/19/13 13:27	1
o-Xylene	0.00142	U	0.00627	0.00142	mg/Kg	☼		04/19/13 13:27	1
m-Xylene & p-Xylene	0.00191	U	0.0125	0.00191	mg/Kg	☼		04/19/13 13:27	1
Xylenes, Total	0.00142	U	0.00627	0.00142	mg/Kg	☼		04/19/13 13:27	1
Bromodichloromethane	0.000827	U	0.00627	0.000827	mg/Kg	☼		04/19/13 13:27	1
1,2-Dichloroethene, Total	0.00238	U	0.0125	0.00238	mg/Kg	☼		04/19/13 13:27	1
Methyl tert-butyl ether	0.00229	U	0.00627	0.00229	mg/Kg	☼		04/19/13 13:27	1

Client Sample ID: CF-3
Date Collected: 04/16/13 08:40
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-31
Matrix: Solid
Percent Solids: 79.8

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	89		50 - 130		04/19/13 13:27	1
Dibromofluoromethane	93		68 - 140		04/19/13 13:27	1
4-Bromofluorobenzene	115		57 - 140		04/19/13 13:27	1
1,2-Dichloroethane-d4 (Surr)	75		61 - 130		04/19/13 13:27	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0180	U	0.209	0.0180	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Acenaphthylene	0.0125	U	0.209	0.0125	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Anthracene	0.0160	U	0.209	0.0160	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzidine	0.113	U	1.04	0.113	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzo[a]anthracene	0.0173	U	0.209	0.0173	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzo[b]fluoranthene	0.0215	U	0.209	0.0215	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzo[k]fluoranthene	0.0187	U	0.209	0.0187	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzo[g,h,i]perylene	0.0635	U	0.209	0.0635	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzo[a]pyrene	0.0202	U	0.209	0.0202	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Bis(2-chloroethoxy)methane	0.0178	U	0.209	0.0178	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Bis(2-chloroethyl)ether	0.0207	U	0.209	0.0207	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Bis(2-ethylhexyl) phthalate	0.0672	U	0.835	0.0672	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Bromophenyl phenyl ether	0.0356	U	0.209	0.0356	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Butyl benzyl phthalate	0.0775	U	0.835	0.0775	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Chloroaniline	0.0729	U	0.209	0.0729	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Chloronaphthalene	0.0151	U	0.209	0.0151	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Chlorophenyl phenyl ether	0.0225	U	0.209	0.0225	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Carbazole	0.0391	U	0.209	0.0391	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Chrysene	0.0128	U	0.209	0.0128	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Di-n-butyl phthalate	0.0324	U	0.835	0.0324	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Dibenz(a,h)anthracene	0.0454	U	0.209	0.0454	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Dibenzofuran	0.0223	U	0.209	0.0223	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
1,2-Dichlorobenzene	0.0378	U	0.209	0.0378	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
1,3-Dichlorobenzene	0.0193	U	0.209	0.0193	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
1,4-Dichlorobenzene	0.0282	U	0.209	0.0282	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
3,3'-Dichlorobenzidine	0.127	U	0.209	0.127	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Diethyl phthalate	0.106	U	0.835	0.106	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Dimethyl phthalate	0.0612	U	0.835	0.0612	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4-Dinitrotoluene	0.0452	U	0.209	0.0452	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Di-n-octyl phthalate	0.0238	U	0.835	0.0238	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Fluoranthene	0.0389	U	0.209	0.0389	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Fluorene	0.0295	U	0.209	0.0295	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Hexachlorobenzene	0.0190	U	0.209	0.0190	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Hexachlorocyclopentadiene	0.0577	U	0.209	0.0577	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Hexachloroethane	0.0289	U	0.209	0.0289	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Hexachlorobutadiene	0.0240	U	0.209	0.0240	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Indeno[1,2,3-cd]pyrene	0.0438	U	0.209	0.0438	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Isophorone	0.0125	U	0.209	0.0125	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Methylnaphthalene	0.0343	U	0.209	0.0343	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Naphthalene	0.0169	U	0.209	0.0169	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Nitroaniline	0.0612	U	0.209	0.0612	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
3-Nitroaniline	0.0895	U	0.209	0.0895	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Nitroaniline	0.140	U	0.209	0.140	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10

Client Sample ID: CF-3
Date Collected: 04/16/13 08:40
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-31
Matrix: Solid
Percent Solids: 79.8

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.0371	U	0.209	0.0371	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
N-Nitrosodimethylamine	0.0525	U	0.209	0.0525	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
N-Nitrosodiphenylamine	0.0237	U	0.209	0.0237	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
N-Nitrosodi-n-propylamine	0.0278	U	0.209	0.0278	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Phenanthrene	0.0620	U	0.209	0.0620	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Pyrene	0.0229	U	0.209	0.0229	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
1,2,4-Trichlorobenzene	0.0263	U	0.209	0.0263	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Benzyl alcohol	0.0730	U	0.209	0.0730	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Chloro-3-methylphenol	0.195	U	0.209	0.195	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Chlorophenol	0.0247	U	0.209	0.0247	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Methylphenol	0.0404	U	0.209	0.0404	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
3 & 4 Methylphenol	0.0349	U	0.417	0.0349	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4-Dichlorophenol	0.0484	U	0.209	0.0484	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4-Dimethylphenol	0.107	U	0.209	0.107	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4,6-Dinitro-2-methylphenol	0.0623	U	0.209	0.0623	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4-Dinitrophenol	0.0591	U	1.25	0.0591	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2-Nitrophenol	0.0487	U	0.209	0.0487	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
4-Nitrophenol	0.0636	U	0.209	0.0636	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Pentachlorophenol	0.0501	U	2.09	0.0501	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
Phenol	0.0531	U	0.209	0.0531	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4,5-Trichlorophenol	0.125	U	0.209	0.125	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,4,6-Trichlorophenol	0.0335	U	0.209	0.0335	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
2,6-Dinitrotoluene	0.0369	U	0.209	0.0369	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10
bis (2-Chloroisopropyl) ether	0.111	U	0.209	0.111	mg/Kg	☼	04/18/13 11:48	04/20/13 01:43	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*81*		*43 - 125*	*04/18/13 11:48*	*04/20/13 01:43*	*10*
Terphenyl-d14	*113*		*56 - 123*	*04/18/13 11:48*	*04/20/13 01:43*	*10*
Nitrobenzene-d5	*80*		*34 - 118*	*04/18/13 11:48*	*04/20/13 01:43*	*10*
2-Fluorophenol	*61*		*41 - 122*	*04/18/13 11:48*	*04/20/13 01:43*	*10*
2-Fluorobiphenyl	*43*	*X*	*51 - 120*	*04/18/13 11:48*	*04/20/13 01:43*	*10*
2,4,6-Tribromophenol	*69*		*34 - 122*	*04/18/13 11:48*	*04/20/13 01:43*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.76	U	12.5	4.76	mg/Kg	☼	04/18/13 08:11	04/18/13 13:58	1
>C12-C28	5.08	U	12.5	5.08	mg/Kg	☼	04/18/13 08:11	04/18/13 13:58	1
>C28-C35	5.08	U	12.5	5.08	mg/Kg	☼	04/18/13 08:11	04/18/13 13:58	1
C6-C35	9.37	U	12.5	9.37	mg/Kg	☼	04/18/13 08:11	04/18/13 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*70 - 130*	*04/18/13 08:11*	*04/18/13 13:58*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.633**		0.307	0.0315	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Barium	**64.5**	**b**	1.23	0.0369	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Silver	0.146	U	0.492	0.146	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Arsenic	**11.4**		1.23	0.268	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Copper	**16.4**		0.614	0.213	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1

Client Sample ID: CF-3

Lab Sample ID: 600-71692-31

Date Collected: 04/16/13 08:40
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 79.8

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	43.9		0.614	0.129	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Tin	1.41		1.23	0.107	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Selenium	0.737	J	2.46	0.318	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1
Chromium	16.2		0.614	0.0622	mg/Kg	☼	04/18/13 16:28	04/19/13 17:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0384	J b	0.0570	0.00408	mg/Kg	☼	04/17/13 13:00	04/18/13 08:52	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	20		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	80		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: CF-4

Lab Sample ID: 600-71692-32

Date Collected: 04/16/13 08:55
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 74.2

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00224	U	0.0135	0.00224	mg/Kg	☼		04/19/13 14:38	1
Benzene	0.000849	U	0.00674	0.000849	mg/Kg	☼		04/19/13 14:38	1
Chlorobromomethane	0.00240	U	0.00674	0.00240	mg/Kg	☼		04/19/13 14:38	1
Bromoform	0.00185	U	0.00674	0.00185	mg/Kg	☼		04/19/13 14:38	1
Bromomethane	0.00112	U	0.0135	0.00112	mg/Kg	☼		04/19/13 14:38	1
2-Butanone (MEK)	0.00256	U	0.0135	0.00256	mg/Kg	☼		04/19/13 14:38	1
Carbon disulfide	0.000741	U	0.0135	0.000741	mg/Kg	☼		04/19/13 14:38	1
Carbon tetrachloride	0.00152	U	0.00674	0.00152	mg/Kg	☼		04/19/13 14:38	1
Dibromochloromethane	0.00127	U	0.00674	0.00127	mg/Kg	☼		04/19/13 14:38	1
Chlorobenzene	0.00129	U	0.00674	0.00129	mg/Kg	☼		04/19/13 14:38	1
Chloroethane	0.00189	U	0.0135	0.00189	mg/Kg	☼		04/19/13 14:38	1
Chloroform	0.000890	U	0.00674	0.000890	mg/Kg	☼		04/19/13 14:38	1
Chloromethane	0.00224	U	0.0135	0.00224	mg/Kg	☼		04/19/13 14:38	1
1,1-Dichloroethane	0.00117	U	0.00674	0.00117	mg/Kg	☼		04/19/13 14:38	1
1,2-Dichloroethane	0.00121	U	0.00674	0.00121	mg/Kg	☼		04/19/13 14:38	1
1,1-Dichloroethene	0.00164	U	0.00674	0.00164	mg/Kg	☼		04/19/13 14:38	1
cis-1,2-Dichloroethene	0.00112	U	0.00674	0.00112	mg/Kg	☼		04/19/13 14:38	1
trans-1,2-Dichloroethene	0.00154	U	0.00674	0.00154	mg/Kg	☼		04/19/13 14:38	1
1,2-Dichloropropane	0.000957	U	0.00674	0.000957	mg/Kg	☼		04/19/13 14:38	1
cis-1,3-Dichloropropene	0.000728	U	0.00674	0.000728	mg/Kg	☼		04/19/13 14:38	1
trans-1,3-Dichloropropene	0.000782	U	0.00674	0.000782	mg/Kg	☼		04/19/13 14:38	1
Ethylbenzene	0.00137	U	0.00674	0.00137	mg/Kg	☼		04/19/13 14:38	1
2-Hexanone	0.00136	U	0.0135	0.00136	mg/Kg	☼		04/19/13 14:38	1
Methylene Chloride	0.00295	U	0.0135	0.00295	mg/Kg	☼		04/19/13 14:38	1
4-Methyl-2-pentanone (MIBK)	0.00198	U	0.0135	0.00198	mg/Kg	☼		04/19/13 14:38	1
Styrene	0.000957	U	0.00674	0.000957	mg/Kg	☼		04/19/13 14:38	1
1,1,2,2-Tetrachloroethane	0.00117	U	0.00674	0.00117	mg/Kg	☼		04/19/13 14:38	1
Tetrachloroethene	0.000957	U	0.00674	0.000957	mg/Kg	☼		04/19/13 14:38	1
Toluene	0.00186	U	0.00674	0.00186	mg/Kg	☼		04/19/13 14:38	1
1,1,1-Trichloroethane	0.000998	U	0.00674	0.000998	mg/Kg	☼		04/19/13 14:38	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-4
Date Collected: 04/16/13 08:55
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-32
Matrix: Solid
Percent Solids: 74.2

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.000984	U	0.00674	0.000984	mg/Kg	☼		04/19/13 14:38	1
Trichloroethene	0.00189	U	0.00674	0.00189	mg/Kg	☼		04/19/13 14:38	1
Vinyl acetate	0.00125	U	0.00674	0.00125	mg/Kg	☼		04/19/13 14:38	1
Vinyl chloride	0.00121	U	0.0135	0.00121	mg/Kg	☼		04/19/13 14:38	1
o-Xylene	0.00152	U	0.00674	0.00152	mg/Kg	☼		04/19/13 14:38	1
m-Xylene & p-Xylene	0.00205	U	0.0135	0.00205	mg/Kg	☼		04/19/13 14:38	1
Xylenes, Total	0.00152	U	0.00674	0.00152	mg/Kg	☼		04/19/13 14:38	1
Bromodichloromethane	0.000890	U	0.00674	0.000890	mg/Kg	☼		04/19/13 14:38	1
1,2-Dichloroethene, Total	0.00256	U	0.0135	0.00256	mg/Kg	☼		04/19/13 14:38	1
Methyl tert-butyl ether	0.00247	U	0.00674	0.00247	mg/Kg	☼		04/19/13 14:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*81*		*50 - 130*		*04/19/13 14:38*	*1*
Dibromofluoromethane	*85*		*68 - 140*		*04/19/13 14:38*	*1*
4-Bromofluorobenzene	*108*		*57 - 140*		*04/19/13 14:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*73*		*61 - 130*		*04/19/13 14:38*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0194	U	0.224	0.0194	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Acenaphthylene	0.0135	U	0.224	0.0135	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Anthracene	0.0172	U	0.224	0.0172	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzidine	0.121	U	1.12	0.121	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzo[a]anthracene	0.0186	U	0.224	0.0186	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzo[b]fluoranthene	0.0231	U	0.224	0.0231	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzo[k]fluoranthene	0.0200	U	0.224	0.0200	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzo[g,h,i]perylene	0.0682	U	0.224	0.0682	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzo[a]pyrene	0.0217	U	0.224	0.0217	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Bis(2-chloroethoxy)methane	0.0191	U	0.224	0.0191	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Bis(2-chloroethyl)ether	0.0222	U	0.224	0.0222	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Bis(2-ethylhexyl) phthalate	0.0722	U	0.897	0.0722	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Bromophenyl phenyl ether	0.0382	U	0.224	0.0382	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Butyl benzyl phthalate	0.0833	U	0.897	0.0833	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Chloroaniline	0.0783	U	0.224	0.0783	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Chloronaphthalene	0.0163	U	0.224	0.0163	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Chlorophenyl phenyl ether	0.0242	U	0.224	0.0242	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Carbazole	0.0420	U	0.224	0.0420	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Chrysene	0.0137	U	0.224	0.0137	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Di-n-butyl phthalate	0.0348	U	0.897	0.0348	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Dibenz(a,h)anthracene	0.0488	U	0.224	0.0488	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Dibenzofuran	0.0239	U	0.224	0.0239	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
1,2-Dichlorobenzene	0.0406	U	0.224	0.0406	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
1,3-Dichlorobenzene	0.0207	U	0.224	0.0207	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
1,4-Dichlorobenzene	0.0303	U	0.224	0.0303	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
3,3'-Dichlorobenzidine	0.137	U	0.224	0.137	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Diethyl phthalate	0.113	U	0.897	0.113	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Dimethyl phthalate	0.0658	U	0.897	0.0658	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4-Dinitrotoluene	0.0486	U	0.224	0.0486	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Di-n-octyl phthalate	0.0256	U	0.897	0.0256	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Fluoranthene	0.0418	U	0.224	0.0418	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10

Client Sample ID: CF-4
Date Collected: 04/16/13 08:55
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-32
Matrix: Solid
Percent Solids: 74.2

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.0317	U	0.224	0.0317	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Hexachlorobenzene	0.0204	U	0.224	0.0204	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Hexachlorocyclopentadiene	0.0620	U	0.224	0.0620	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Hexachloroethane	0.0311	U	0.224	0.0311	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Hexachlorobutadiene	0.0258	U	0.224	0.0258	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Indeno[1,2,3-cd]pyrene	0.0471	U	0.224	0.0471	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Isophorone	0.0135	U	0.224	0.0135	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Methylnaphthalene	0.0369	U	0.224	0.0369	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Naphthalene	0.0182	U	0.224	0.0182	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Nitroaniline	0.0658	U	0.224	0.0658	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
3-Nitroaniline	0.0962	U	0.224	0.0962	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Nitroaniline	0.150	U	0.224	0.150	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Nitrobenzene	0.0398	U	0.224	0.0398	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
N-Nitrosodimethylamine	0.0564	U	0.224	0.0564	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
N-Nitrosodiphenylamine	0.0254	U	0.224	0.0254	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
N-Nitrosodi-n-propylamine	0.0299	U	0.224	0.0299	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Phenanthrene	0.0666	U	0.224	0.0666	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Pyrene	0.0246	U	0.224	0.0246	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
1,2,4-Trichlorobenzene	0.0283	U	0.224	0.0283	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Benzyl alcohol	0.0784	U	0.224	0.0784	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Chloro-3-methylphenol	0.210	U	0.224	0.210	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Chlorophenol	0.0265	U	0.224	0.0265	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Methylphenol	0.0435	U	0.224	0.0435	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
3 & 4 Methylphenol	0.0375	U	0.448	0.0375	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4-Dichlorophenol	0.0521	U	0.224	0.0521	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4-Dimethylphenol	0.115	U	0.224	0.115	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4,6-Dinitro-2-methylphenol	0.0670	U	0.224	0.0670	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4-Dinitrophenol	0.0635	U	1.35	0.0635	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2-Nitrophenol	0.0523	U	0.224	0.0523	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
4-Nitrophenol	0.0683	U	0.224	0.0683	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Pentachlorophenol	0.0538	U	2.25	0.0538	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
Phenol	0.0570	U	0.224	0.0570	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4,5-Trichlorophenol	0.135	U	0.224	0.135	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,4,6-Trichlorophenol	0.0361	U	0.224	0.0361	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
2,6-Dinitrotoluene	0.0397	U	0.224	0.0397	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10
bis (2-Chloroisopropyl) ether	0.119	U	0.224	0.119	mg/Kg	☼	04/18/13 11:48	04/20/13 02:09	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*75*		*43 - 125*	*04/18/13 11:48*	*04/20/13 02:09*	*10*
Terphenyl-d14	*103*		*56 - 123*	*04/18/13 11:48*	*04/20/13 02:09*	*10*
Nitrobenzene-d5	*62*		*34 - 118*	*04/18/13 11:48*	*04/20/13 02:09*	*10*
2-Fluorophenol	*61*		*41 - 122*	*04/18/13 11:48*	*04/20/13 02:09*	*10*
2-Fluorobiphenyl	*41*	*X*	*51 - 120*	*04/18/13 11:48*	*04/20/13 02:09*	*10*
2,4,6-Tribromophenol	*64*		*34 - 122*	*04/18/13 11:48*	*04/20/13 02:09*	*10*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	5.11	U	13.5	5.11	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1
>C12-C28	5.46	U	13.5	5.46	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1
>C28-C35	5.46	U	13.5	5.46	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1

Client Sample ID: CF-4

Lab Sample ID: 600-71692-32
Date Collected: 04/16/13 08:55
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 74.2

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C35	10.1	U	13.5	10.1	mg/Kg	☼	04/18/13 08:11	04/18/13 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*70 - 130*	*04/18/13 08:11*	*04/18/13 14:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	**0.353**		0.315	0.0323	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Barium	**74.1**	**b**	1.26	0.0378	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Silver	0.150	U	0.504	0.150	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Arsenic	**11.6**		1.26	0.275	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Copper	**14.5**		0.630	0.219	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Lead	**31.8**		0.630	0.132	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Tin	**1.26**		1.26	0.110	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Selenium	**0.907**	**J**	2.52	0.326	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1
Chromium	**20.0**		0.630	0.0638	mg/Kg	☼	04/18/13 16:28	04/19/13 17:48	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0348**	**J b**	0.0674	0.00483	mg/Kg	☼	04/17/13 13:00	04/18/13 08:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**26**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**74**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: Cistern

Lab Sample ID: 600-71692-33
Date Collected: 04/16/13 09:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00199	U	0.0120	0.00199	mg/Kg	☼		04/19/13 15:02	1
Benzene	0.000756	U	0.00600	0.000756	mg/Kg	☼		04/19/13 15:02	1
Chlorobromomethane	0.00214	U	0.00600	0.00214	mg/Kg	☼		04/19/13 15:02	1
Bromoform	0.00165	U	0.00600	0.00165	mg/Kg	☼		04/19/13 15:02	1
Bromomethane	0.000997	U	0.0120	0.000997	mg/Kg	☼		04/19/13 15:02	1
2-Butanone (MEK)	0.00228	U	0.0120	0.00228	mg/Kg	☼		04/19/13 15:02	1
Carbon disulfide	0.000660	U	0.0120	0.000660	mg/Kg	☼		04/19/13 15:02	1
Carbon tetrachloride	0.00136	U	0.00600	0.00136	mg/Kg	☼		04/19/13 15:02	1
Dibromochloromethane	0.00113	U	0.00600	0.00113	mg/Kg	☼		04/19/13 15:02	1
Chlorobenzene	0.00115	U	0.00600	0.00115	mg/Kg	☼		04/19/13 15:02	1
Chloroethane	0.00168	U	0.0120	0.00168	mg/Kg	☼		04/19/13 15:02	1
Chloroform	0.000792	U	0.00600	0.000792	mg/Kg	☼		04/19/13 15:02	1
Chloromethane	0.00199	U	0.0120	0.00199	mg/Kg	☼		04/19/13 15:02	1
1,1-Dichloroethane	0.00104	U	0.00600	0.00104	mg/Kg	☼		04/19/13 15:02	1
1,2-Dichloroethane	0.00108	U	0.00600	0.00108	mg/Kg	☼		04/19/13 15:02	1
1,1-Dichloroethene	0.00146	U	0.00600	0.00146	mg/Kg	☼		04/19/13 15:02	1
cis-1,2-Dichloroethene	0.000997	U	0.00600	0.000997	mg/Kg	☼		04/19/13 15:02	1
trans-1,2-Dichloroethene	0.00137	U	0.00600	0.00137	mg/Kg	☼		04/19/13 15:02	1
1,2-Dichloropropane	0.000853	U	0.00600	0.000853	mg/Kg	☼		04/19/13 15:02	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: Cistern
Date Collected: 04/16/13 09:50
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-33
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	0.000648	U	0.00600	0.000648	mg/Kg	☼		04/19/13 15:02	1
trans-1,3-Dichloropropene	0.000696	U	0.00600	0.000696	mg/Kg	☼		04/19/13 15:02	1
Ethylbenzene	0.00122	U	0.00600	0.00122	mg/Kg	☼		04/19/13 15:02	1
2-Hexanone	0.00121	U	0.0120	0.00121	mg/Kg	☼		04/19/13 15:02	1
Methylene Chloride	**0.0109**	**J**	0.0120	0.00263	mg/Kg	☼		04/19/13 15:02	1
4-Methyl-2-pentanone (MIBK)	0.00177	U	0.0120	0.00177	mg/Kg	☼		04/19/13 15:02	1
Styrene	0.000853	U	0.00600	0.000853	mg/Kg	☼		04/19/13 15:02	1
1,1,2,2-Tetrachloroethane	0.00104	U	0.00600	0.00104	mg/Kg	☼		04/19/13 15:02	1
Tetrachloroethene	0.000853	U	0.00600	0.000853	mg/Kg	☼		04/19/13 15:02	1
Toluene	0.00166	U	0.00600	0.00166	mg/Kg	☼		04/19/13 15:02	1
1,1,1-Trichloroethane	0.000889	U	0.00600	0.000889	mg/Kg	☼		04/19/13 15:02	1
1,1,2-Trichloroethane	0.000877	U	0.00600	0.000877	mg/Kg	☼		04/19/13 15:02	1
Trichloroethene	0.00168	U	0.00600	0.00168	mg/Kg	☼		04/19/13 15:02	1
Vinyl acetate	0.00112	U	0.00600	0.00112	mg/Kg	☼		04/19/13 15:02	1
Vinyl chloride	0.00108	U	0.0120	0.00108	mg/Kg	☼		04/19/13 15:02	1
o-Xylene	0.00136	U	0.00600	0.00136	mg/Kg	☼		04/19/13 15:02	1
m-Xylene & p-Xylene	0.00183	U	0.0120	0.00183	mg/Kg	☼		04/19/13 15:02	1
Xylenes, Total	0.00136	U	0.00600	0.00136	mg/Kg	☼		04/19/13 15:02	1
Bromodichloromethane	0.000792	U	0.00600	0.000792	mg/Kg	☼		04/19/13 15:02	1
1,2-Dichloroethene, Total	0.00228	U	0.0120	0.00228	mg/Kg	☼		04/19/13 15:02	1
Methyl tert-butyl ether	0.00220	U	0.00600	0.00220	mg/Kg	☼		04/19/13 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*89*		*50 - 130*		*04/19/13 15:02*	*1*
Dibromofluoromethane	*100*		*68 - 140*		*04/19/13 15:02*	*1*
4-Bromofluorobenzene	*122*		*57 - 140*		*04/19/13 15:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*61 - 130*		*04/19/13 15:02*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0173	U	0.200	0.0173	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Acenaphthylene	0.0120	U	0.200	0.0120	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Anthracene	0.0154	U	0.200	0.0154	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzidine	0.108	U	1.00	0.108	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzo[a]anthracene	0.0166	U	0.200	0.0166	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzo[b]fluoranthene	0.0206	U	0.200	0.0206	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzo[k]fluoranthene	0.0179	U	0.200	0.0179	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzo[g,h,i]perylene	0.0608	U	0.200	0.0608	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzo[a]pyrene	0.0193	U	0.200	0.0193	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Bis(2-chloroethoxy)methane	0.0170	U	0.200	0.0170	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Bis(2-chloroethyl)ether	0.0198	U	0.200	0.0198	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Bis(2-ethylhexyl) phthalate	0.0644	U	0.800	0.0644	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Bromophenyl phenyl ether	0.0341	U	0.200	0.0341	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Butyl benzyl phthalate	0.0743	U	0.800	0.0743	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Chloroaniline	0.0698	U	0.200	0.0698	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Chloronaphthalene	0.0145	U	0.200	0.0145	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Chlorophenyl phenyl ether	0.0216	U	0.200	0.0216	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Carbazole	0.0374	U	0.200	0.0374	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Chrysene	0.0122	U	0.200	0.0122	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Di-n-butyl phthalate	0.0311	U	0.800	0.0311	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10

Client Sample ID: Cistern
Date Collected: 04/16/13 09:50
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-33
Matrix: Solid
Percent Solids: 83.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.0436	U	0.200	0.0436	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Dibenzofuran	0.0214	U	0.200	0.0214	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
1,2-Dichlorobenzene	0.0362	U	0.200	0.0362	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
1,3-Dichlorobenzene	0.0185	U	0.200	0.0185	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
1,4-Dichlorobenzene	0.0270	U	0.200	0.0270	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
3,3'-Dichlorobenzidine	0.122	U	0.200	0.122	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Diethyl phthalate	0.101	U	0.800	0.101	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Dimethyl phthalate	0.0587	U	0.800	0.0587	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4-Dinitrotoluene	0.0433	U	0.200	0.0433	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Di-n-octyl phthalate	0.0228	U	0.800	0.0228	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Fluoranthene	0.0373	U	0.200	0.0373	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Fluorene	0.0283	U	0.200	0.0283	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Hexachlorobenzene	0.0182	U	0.200	0.0182	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Hexachlorocyclopentadiene	0.0553	U	0.200	0.0553	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Hexachloroethane	0.0277	U	0.200	0.0277	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Hexachlorobutadiene	0.0230	U	0.200	0.0230	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Indeno[1,2,3-cd]pyrene	0.0420	U	0.200	0.0420	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Isophorone	0.0120	U	0.200	0.0120	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Methylnaphthalene	0.0329	U	0.200	0.0329	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Naphthalene	0.0162	U	0.200	0.0162	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Nitroaniline	0.0587	U	0.200	0.0587	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
3-Nitroaniline	0.0858	U	0.200	0.0858	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Nitroaniline	0.134	U	0.200	0.134	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Nitrobenzene	0.0355	U	0.200	0.0355	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
N-Nitrosodimethylamine	0.0503	U	0.200	0.0503	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
N-Nitrosodiphenylamine	0.0227	U	0.200	0.0227	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
N-Nitrosodi-n-propylamine	0.0266	U	0.200	0.0266	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Phenanthrene	0.0594	U	0.200	0.0594	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Pyrene	0.0220	U	0.200	0.0220	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
1,2,4-Trichlorobenzene	0.0252	U	0.200	0.0252	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Benzyl alcohol	0.0700	U	0.200	0.0700	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Chloro-3-methylphenol	0.187	U	0.200	0.187	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Chlorophenol	0.0236	U	0.200	0.0236	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Methylphenol	0.0388	U	0.200	0.0388	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
3 & 4 Methylphenol	0.0335	U	0.400	0.0335	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4-Dichlorophenol	0.0464	U	0.200	0.0464	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4-Dimethylphenol	0.103	U	0.200	0.103	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4,6-Dinitro-2-methylphenol	0.0598	U	0.200	0.0598	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4-Dinitrophenol	0.0566	U	1.20	0.0566	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2-Nitrophenol	0.0467	U	0.200	0.0467	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
4-Nitrophenol	0.0610	U	0.200	0.0610	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Pentachlorophenol	0.0480	U	2.00	0.0480	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
Phenol	0.0509	U	0.200	0.0509	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4,5-Trichlorophenol	0.120	U	0.200	0.120	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,4,6-Trichlorophenol	0.0322	U	0.200	0.0322	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
2,6-Dinitrotoluene	0.0354	U	0.200	0.0354	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10
bis (2-Chloroisopropyl) ether	0.106	U	0.200	0.106	mg/Kg	☼	04/18/13 11:48	04/20/13 02:36	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*76*		*43 - 125*	*04/18/13 11:48*	*04/20/13 02:36*	*10*

Client Sample ID: Cistern
Date Collected: 04/16/13 09:50
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-33
Matrix: Solid
Percent Solids: 83.3

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Terphenyl-d14	*93*		*56 - 123*	*04/18/13 11:48*	*04/20/13 02:36*	*10*
Nitrobenzene-d5	*89*		*34 - 118*	*04/18/13 11:48*	*04/20/13 02:36*	*10*
2-Fluorophenol	*64*		*41 - 122*	*04/18/13 11:48*	*04/20/13 02:36*	*10*
2-Fluorobiphenyl	*25*	*X*	*51 - 120*	*04/18/13 11:48*	*04/20/13 02:36*	*10*
2,4,6-Tribromophenol	*47*		*34 - 122*	*04/18/13 11:48*	*04/20/13 02:36*	*10*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00195	U	0.00396	0.00195	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
4,4'-DDE	0.00174	U	0.00396	0.00174	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
4,4'-DDT	0.00222	U	0.00396	0.00222	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Aldrin	0.00157	U	0.00204	0.00157	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
alpha-BHC	0.00120	U *	0.00204	0.00120	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
alpha-Chlordane	0.00191	U	0.00396	0.00191	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
beta-BHC	0.00122	U	0.00204	0.00122	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Chlordane (technical)	0.00180	U	0.0396	0.00180	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
delta-BHC	0.00102	U	0.00204	0.00102	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Dieldrin	0.00167	U	0.00396	0.00167	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endosulfan I	0.00120	U	0.00204	0.00120	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endosulfan II	0.00181	U	0.00204	0.00181	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endosulfan sulfate	0.00202	U	0.00396	0.00202	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endrin	0.00184	U	0.00396	0.00184	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endrin aldehyde	0.00187	U	0.00396	0.00187	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Endrin ketone	0.00185	U	0.00396	0.00185	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
gamma-BHC (Lindane)	0.00112	U	0.00204	0.00112	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
gamma-Chlordane	0.00150	U	0.00396	0.00150	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Heptachlor	0.00112	U	0.00204	0.00112	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Heptachlor epoxide	0.00140	U	0.00204	0.00140	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Methoxychlor	0.00969	U	0.0204	0.00969	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1
Toxaphene	0.0878	U	0.204	0.0878	mg/Kg	☼	04/18/13 13:27	04/18/13 23:07	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*125*		*47 - 177*	*04/18/13 13:27*	*04/18/13 23:07*	*1*
Tetrachloro-m-xylene	*111*		*50 - 143*	*04/18/13 13:27*	*04/18/13 23:07*	*1*

Method: 8151A - Herbicides (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.000408	U	0.00480	0.000408	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Dalapon	0.0192	U	0.0240	0.0192	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
2,4-DB	0.000792	U	0.00480	0.000792	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Dicamba	0.000552	U	0.00480	0.000552	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Dichlorprop	0.000540	U	0.00480	0.000540	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Dinoseb	0.000384	U	0.00480	0.000384	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Mecoprop	0.0551	U	0.0480	0.0551	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
MCPA	0.0780	U	0.0480	0.0780	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
2,4,5-T	0.000528	U	0.00480	0.000528	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1
Silvex (2,4,5-TP)	0.000516	U	0.00480	0.000516	mg/Kg	☼	04/18/13 14:50	04/18/13 22:52	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4-Dichlorophenylacetic acid	*75*		*22 - 130*	*04/18/13 14:50*	*04/18/13 22:52*	*1*

Client Sample ID: Cistern

Lab Sample ID: 600-71692-33

Date Collected: 04/16/13 09:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.3

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	4.56	U	12.0	4.56	mg/Kg	☼	04/18/13 08:11	04/18/13 12:45	1
>C12-C28	4.88	U	12.0	4.88	mg/Kg	☼	04/18/13 08:11	04/18/13 12:45	1
>C28-C35	4.88	U	12.0	4.88	mg/Kg	☼	04/18/13 08:11	04/18/13 12:45	1
C6-C35	8.98	U	12.0	8.98	mg/Kg	☼	04/18/13 08:11	04/18/13 12:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*70 - 130*	*04/18/13 08:11*	*04/18/13 12:45*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	**50.9**		0.583	0.122	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
Cr	**15.6**		0.583	0.0590	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
Cd	**0.472**		0.291	0.0299	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
Ba	**121**	**b**	1.17	0.0350	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
As	**21.2**		1.17	0.254	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
Ag	0.139	U	0.583	0.139	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1
Se	**1.11**	**J**	2.33	0.302	mg/Kg	☼	04/18/13 16:28	04/19/13 16:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.0914**	**b**	0.0554	0.00397	mg/Kg	☼	04/17/13 13:00	04/18/13 08:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**17**		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	**83**		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TB-1

Lab Sample ID: 600-71692-34

Date Collected: 04/15/13 00:00
Matrix: Water
Date Received: 04/17/13 08:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0161**		0.0100	0.00227	mg/L			04/18/13 19:12	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:12	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/18/13 19:12	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/18/13 19:12	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			04/18/13 19:12	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/18/13 19:12	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/18/13 19:12	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/18/13 19:12	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/18/13 19:12	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/18/13 19:12	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/18/13 19:12	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/18/13 19:12	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/18/13 19:12	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/18/13 19:12	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/18/13 19:12	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/18/13 19:12	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:12	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/18/13 19:12	1

Client Sample ID: TB-1

Lab Sample ID: 600-71692-34

Date Collected: 04/15/13 00:00

Matrix: Water

Date Received: 04/17/13 08:43

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/18/13 19:12	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/18/13 19:12	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/18/13 19:12	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/18/13 19:12	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/18/13 19:12	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/18/13 19:12	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/18/13 19:12	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:12	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/18/13 19:12	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/18/13 19:12	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/18/13 19:12	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/18/13 19:12	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/18/13 19:12	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/18/13 19:12	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/18/13 19:12	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/18/13 19:12	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/18/13 19:12	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/18/13 19:12	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/18/13 19:12	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/18/13 19:12	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/18/13 19:12	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/18/13 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/18/13 19:12*	*1*
Dibromofluoromethane	*76*		*62 - 130*		*04/18/13 19:12*	*1*
4-Bromofluorobenzene	*73*		*67 - 139*		*04/18/13 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*04/18/13 19:12*	*1*

Client Sample ID: TB-2

Lab Sample ID: 600-71692-35

Date Collected: 04/15/13 00:00

Matrix: Water

Date Received: 04/17/13 08:43

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.0163**		0.0100	0.00227	mg/L			04/18/13 19:38	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:38	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/18/13 19:38	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/18/13 19:38	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			04/18/13 19:38	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/18/13 19:38	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/18/13 19:38	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/18/13 19:38	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/18/13 19:38	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/18/13 19:38	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/18/13 19:38	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/18/13 19:38	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/18/13 19:38	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/18/13 19:38	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/18/13 19:38	1

Client Sample ID: TB-2
Date Collected: 04/15/13 00:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-35
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/18/13 19:38	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:38	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/18/13 19:38	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/18/13 19:38	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/18/13 19:38	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/18/13 19:38	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/18/13 19:38	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/18/13 19:38	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/18/13 19:38	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/18/13 19:38	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 19:38	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/18/13 19:38	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/18/13 19:38	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/18/13 19:38	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/18/13 19:38	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/18/13 19:38	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/18/13 19:38	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/18/13 19:38	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/18/13 19:38	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/18/13 19:38	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/18/13 19:38	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/18/13 19:38	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/18/13 19:38	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/18/13 19:38	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/18/13 19:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/18/13 19:38*	*1*
Dibromofluoromethane	*77*		*62 - 130*		*04/18/13 19:38*	*1*
4-Bromofluorobenzene	*69*		*67 - 139*		*04/18/13 19:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*68*		*50 - 134*		*04/18/13 19:38*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
*	LCS or LCSD exceeds the control limits
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
X	Surrogate is outside control limits
*	LCS or LCSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
*	RPD of the LCS and LCSD exceeds the control limits
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.
b	The compound was found in the blank and sample
F	Duplicate RPD exceeds the control limit
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
4	MS, MSD: The analyte present in the original sample is 4 times greater than the matrix spike concentration; therefore, control limits are not applicable.
N	RPD of the MS and MSD exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(50-130)	(68-140)	(57-140)	(61-130)
600-71692-1	TP-9 1'	88	92	111	80
600-71692-1 MS	TP-9 1'	97	96	119	78
600-71692-1 MSD	TP-9 1'	102	103	126	86
600-71692-2	TP-9 5'	89	95	118	86
600-71692-4	TP-8 3'	88	98	119	91
600-71692-4 MS	TP-8 3'	89	91	117	79
600-71692-4 MSD	TP-8 3'	95	101	127	86
600-71692-5	TP-8 5'	88	95	115	84
600-71692-6	TP-4 5' Dup	90	95	117	82
600-71692-8	TP-7 2'	95	99	122	88
600-71692-9	TP-7 3'	97	100	122	81
600-71692-11	TP-6 2.5'	92	98	117	86
600-71692-12	TP-6 3.5	86	95	114	85
600-71692-13	TP-6 3.5' Dup	91	98	120	89
600-71692-14	TP-5 3'	92	98	121	86
600-71692-15	TP-1 1'	90	98	119	85
600-71692-16	TP-1 2'	94	94	118	81
600-71692-17	TP-5 1'	86	90	114	76
600-71692-23	TP-10 1'	92	102	123	89
600-71692-24	TP-11 1'	92	96	118	81
600-71692-25	TP-11 1' Dup	87	91	109	79
600-71692-26	TP-12 1'	88	85	112	71
600-71692-27	TP-13 1'	88	91	116	81
600-71692-28	CF-1	85	87	110	76
600-71692-29	CF-1 Dup	88	95	116	86
600-71692-30	CF-2	87	93	120	87
600-71692-31	CF-3	89	93	115	75
600-71692-32	CF-4	81	85	108	73
600-71692-33	Cistern	89	100	122	91
LCS 600-104298/3	Lab Control Sample	111	116	137	97
LCS 600-104359/3	Lab Control Sample	95	92	116	74
MB 600-104298/4	Method Blank	86	97	118	98
MB 600-104359/4	Method Blank	85	92	121	90

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-71692-34	TB-1	96	76	73	72
600-71692-35	TB-2	100	77	69	68
LCS 600-104326/4	Lab Control Sample	84	89	79	86

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
MB 600-104326/6	Method Blank	92	78	72	72

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		PHL	TPH	NBZ	2FP	FBP	TBP
Lab Sample ID	Client Sample ID	(43-125)	(56-123)	(34-118)	(41-122)	(51-120)	(34-122)
600-71692-1	TP-9 1'	61	84	68	68	19 X	69
600-71692-2	TP-9 5'	75	98	74	76	93	87
600-71692-4	TP-8 3'	73	87	73	79	89	76
600-71692-4 MS	TP-8 3'	72	96	69	69	83	95
600-71692-4 MSD	TP-8 3'	83	95	82	82	94	99
600-71692-5	TP-8 5'	73	92	72	74	92	80
600-71692-6	TP-4 5' Dup	74	90	76	77	92	85
600-71692-8	TP-7 2'	85	97	63	73	29 X	56
600-71692-9	TP-7 3'	82	103	75	87	100	91
600-71692-11	TP-6 2.5'	76	104	75	73	27 X	51
600-71692-12	TP-6 3.5	64	87	77	87	60	53
600-71692-13	TP-6 3.5' Dup	76	85	75	73	61	68
600-71692-14	TP-5 3'	75	79	66	76	52	52
600-71692-15	TP-1 1'	66	84	80	65	14 X	65
600-71692-16	TP-1 2'	76	87	73	78	19 X	39
600-71692-17	TP-5 1'	72	90	64	68	19 X	68
600-71692-23	TP-10 1'	83	103	75	82	30 X	56
600-71692-24	TP-11 1'	71	81	66	76	61	50
600-71692-25	TP-11 1' Dup	63	79	68	72	52	53
600-71692-26	TP-12 1'	72	88	71	72	27 X	58
600-71692-27	TP-13 1'	74	101	57	48	20 X	64
600-71692-28	CF-1	61	115	61	31 X	39 X	50
600-71692-28 MS	CF-1	73	108	70	63	29 X	99
600-71692-28 MSD	CF-1	62	119	57	51	47 X	101
600-71692-29	CF-1 Dup	58	103	58	40 X	29 X	49
600-71692-30	CF-2	74	116	75	66	47 X	61
600-71692-31	CF-3	81	113	80	61	43 X	69
600-71692-32	CF-4	75	103	62	61	41 X	64
600-71692-33	Cistern	76	93	89	64	25 X	47
LCS 600-104245/2-A	Lab Control Sample	77	93	79	81	91	95
LCS 600-104246/2-A	Lab Control Sample	76	86	75	78	84	92
MB 600-104245/1-A	Method Blank	71	85	75	77	87	67
MB 600-104246/1-A	Method Blank	78	82	79	80	90	73

Surrogate Legend

PHL = Phenol-d6

TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol

Method: 8081A - Organochlorine Pesticides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCB2 (47-177)	TCX2 (50-143)								
600-71692-33	Cistern	125	111								
LCS 600-104262/2-A	Lab Control Sample	126	112								
LCSD 600-104262/3-A	Lab Control Sample Dup	121	80								
MB 600-104262/1-A	Method Blank	124	93								

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8151A - Herbicides (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCPA1 (22-130)									
600-71692-33	Cistern	75									
LCS 600-104280/2-A	Lab Control Sample	80									
LCSD 600-104280/3-A	Lab Control Sample Dup	83									
MB 600-104280/1-A	Method Blank	82									

Surrogate Legend

DCPA = 2,4-Dichlorophenylacetic acid

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	OTPH (70-130)									
600-71692-1	TP-9 1'	114									
600-71692-2	TP-9 5'	108									
600-71692-4	TP-8 3'	103									
600-71692-4 MS	TP-8 3'	129									
600-71692-4 MSD	TP-8 3'	121									
600-71692-5	TP-8 5'	110									
600-71692-6	TP-4 5' Dup	88									
600-71692-8	TP-7 2'	109									
600-71692-9	TP-7 3'	113									
600-71692-11	TP-6 2.5'	104									
600-71692-12	TP-6 3.5	101									
600-71692-13	TP-6 3.5' Dup	102									
600-71692-14	TP-5 3'	105									
600-71692-15	TP-1 1'	103									
600-71692-16	TP-1 2'	97									

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)						
Lab Sample ID	Client Sample ID	OTPH (70-130)						
600-71692-17	TP-5 1'	105						
600-71692-23	TP-10 1'	105						
600-71692-24	TP-11 1'	85						
600-71692-25	TP-11 1' Dup	111						
600-71692-26	TP-12 1'	104						
600-71692-27	TP-13 1'	108						
600-71692-28	CF-1	103						
600-71692-29	CF-1 Dup	105						
600-71692-30	CF-2	107						
600-71692-31	CF-3	107						
600-71692-32	CF-4	109						
600-71692-33	Cistern	106						
600-71692-33 MS	Cistern	127						
600-71692-33 MSD	Cistern	108						
LCS 600-104188/2-A	Lab Control Sample	125						
LCS 600-104215/2-A	Lab Control Sample	100						
MB 600-104188/1-A	Method Blank	106						
MB 600-104215/1-A	Method Blank	105						

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-104298/4
Matrix: Solid
Analysis Batch: 104298

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00166	U	0.0100	0.00166	mg/Kg			04/18/13 11:39	1
Benzene	0.000630	U	0.00500	0.000630	mg/Kg			04/18/13 11:39	1
Chlorobromomethane	0.00178	U	0.00500	0.00178	mg/Kg			04/18/13 11:39	1
Bromoform	0.00137	U	0.00500	0.00137	mg/Kg			04/18/13 11:39	1
Bromomethane	0.000830	U	0.0100	0.000830	mg/Kg			04/18/13 11:39	1
2-Butanone (MEK)	0.00190	U	0.0100	0.00190	mg/Kg			04/18/13 11:39	1
Carbon disulfide	0.000550	U	0.0100	0.000550	mg/Kg			04/18/13 11:39	1
Carbon tetrachloride	0.00113	U	0.00500	0.00113	mg/Kg			04/18/13 11:39	1
Dibromochloromethane	0.000940	U	0.00500	0.000940	mg/Kg			04/18/13 11:39	1
Chlorobenzene	0.000960	U	0.00500	0.000960	mg/Kg			04/18/13 11:39	1
Chloroethane	0.00140	U	0.0100	0.00140	mg/Kg			04/18/13 11:39	1
Chloroform	0.000660	U	0.00500	0.000660	mg/Kg			04/18/13 11:39	1
Chloromethane	0.00166	U	0.0100	0.00166	mg/Kg			04/18/13 11:39	1
1,1-Dichloroethane	0.000870	U	0.00500	0.000870	mg/Kg			04/18/13 11:39	1
1,2-Dichloroethane	0.000900	U	0.00500	0.000900	mg/Kg			04/18/13 11:39	1
1,1-Dichloroethene	0.00122	U	0.00500	0.00122	mg/Kg			04/18/13 11:39	1
cis-1,2-Dichloroethene	0.000830	U	0.00500	0.000830	mg/Kg			04/18/13 11:39	1
trans-1,2-Dichloroethene	0.00114	U	0.00500	0.00114	mg/Kg			04/18/13 11:39	1
1,2-Dichloropropane	0.000710	U	0.00500	0.000710	mg/Kg			04/18/13 11:39	1
cis-1,3-Dichloropropene	0.000540	U	0.00500	0.000540	mg/Kg			04/18/13 11:39	1
trans-1,3-Dichloropropene	0.000580	U	0.00500	0.000580	mg/Kg			04/18/13 11:39	1
Ethylbenzene	0.00102	U	0.00500	0.00102	mg/Kg			04/18/13 11:39	1
2-Hexanone	0.00101	U	0.0100	0.00101	mg/Kg			04/18/13 11:39	1
Methylene Chloride	0.00219	U	0.0100	0.00219	mg/Kg			04/18/13 11:39	1
4-Methyl-2-pentanone (MIBK)	0.00147	U	0.0100	0.00147	mg/Kg			04/18/13 11:39	1
Styrene	0.000710	U	0.00500	0.000710	mg/Kg			04/18/13 11:39	1
1,1,2,2-Tetrachloroethane	0.000870	U	0.00500	0.000870	mg/Kg			04/18/13 11:39	1
Tetrachloroethene	0.000710	U	0.00500	0.000710	mg/Kg			04/18/13 11:39	1
Toluene	0.00138	U	0.00500	0.00138	mg/Kg			04/18/13 11:39	1
1,1,1-Trichloroethane	0.000740	U	0.00500	0.000740	mg/Kg			04/18/13 11:39	1
1,1,2-Trichloroethane	0.000730	U	0.00500	0.000730	mg/Kg			04/18/13 11:39	1
Trichloroethene	0.00140	U	0.00500	0.00140	mg/Kg			04/18/13 11:39	1
Vinyl acetate	0.000930	U	0.00500	0.000930	mg/Kg			04/18/13 11:39	1
Vinyl chloride	0.000900	U	0.0100	0.000900	mg/Kg			04/18/13 11:39	1
o-Xylene	0.00113	U	0.00500	0.00113	mg/Kg			04/18/13 11:39	1
m-Xylene & p-Xylene	0.00152	U	0.0100	0.00152	mg/Kg			04/18/13 11:39	1
Xylenes, Total	0.00113	U	0.00500	0.00113	mg/Kg			04/18/13 11:39	1
Bromodichloromethane	0.000660	U	0.00500	0.000660	mg/Kg			04/18/13 11:39	1
1,2-Dichloroethene, Total	0.00190	U	0.0100	0.00190	mg/Kg			04/18/13 11:39	1
Methyl tert-butyl ether	0.00183	U	0.00500	0.00183	mg/Kg			04/18/13 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*86*		*50 - 130*		*04/18/13 11:39*	*1*
Dibromofluoromethane	*97*		*68 - 140*		*04/18/13 11:39*	*1*
4-Bromofluorobenzene	*118*		*57 - 140*		*04/18/13 11:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*61 - 130*		*04/18/13 11:39*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-104298/3
Matrix: Solid
Analysis Batch: 104298

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.06657		mg/Kg		67	44 - 136
Benzene	0.0500	0.06088		mg/Kg		122	66 - 128
Chlorobromomethane	0.0500	0.05697		mg/Kg		114	60 - 140
Bromoform	0.0500	0.05374		mg/Kg		107	50 - 130
Bromomethane	0.0500	0.06128		mg/Kg		123	28 - 164
2-Butanone (MEK)	0.100	0.07173		mg/Kg		72	42 - 186
Carbon disulfide	0.0500	0.05504		mg/Kg		110	53 - 176
Carbon tetrachloride	0.0500	0.05901		mg/Kg		118	63 - 132
Dibromochloromethane	0.0500	0.05219		mg/Kg		104	63 - 125
Chlorobenzene	0.0500	0.06317		mg/Kg		126	67 - 126
Chloroethane	0.0500	0.05790		mg/Kg		116	30 - 136
Chloroform	0.0500	0.06123		mg/Kg		122	67 - 126
Chloromethane	0.0500	0.06131		mg/Kg		123	21 - 153
1,1-Dichloroethane	0.0500	0.06066		mg/Kg		121	64 - 130
1,2-Dichloroethane	0.0500	0.05525		mg/Kg		110	61 - 135
1,1-Dichloroethene	0.0500	0.05620		mg/Kg		112	40 - 157
cis-1,2-Dichloroethene	0.0500	0.05630		mg/Kg		113	62 - 130
trans-1,2-Dichloroethene	0.0500	0.05582		mg/Kg		112	65 - 130
1,2-Dichloropropane	0.0500	0.05924		mg/Kg		118	71 - 122
cis-1,3-Dichloropropene	0.0500	0.05179		mg/Kg		104	66 - 129
trans-1,3-Dichloropropene	0.0500	0.05788		mg/Kg		116	66 - 134
Ethylbenzene	0.0500	0.05836		mg/Kg		117	64 - 127
2-Hexanone	0.100	0.08221		mg/Kg		82	52 - 142
Methylene Chloride	0.0500	0.06367		mg/Kg		127	48 - 144
4-Methyl-2-pentanone (MIBK)	0.100	0.08554		mg/Kg		86	52 - 146
Styrene	0.0500	0.05948		mg/Kg		119	63 - 128
1,1,2,2-Tetrachloroethane	0.0500	0.05177		mg/Kg		104	59 - 134
Tetrachloroethene	0.0500	0.06342	*	mg/Kg		127	69 - 125
Toluene	0.0500	0.05759		mg/Kg		115	69 - 125
1,1,1-Trichloroethane	0.0500	0.06026		mg/Kg		121	70 - 127
1,1,2-Trichloroethane	0.0500	0.05630		mg/Kg		113	67 - 124
Trichloroethene	0.0500	0.05888		mg/Kg		118	70 - 136
Vinyl acetate	0.0500	0.04695		mg/Kg		94	54 - 136
Vinyl chloride	0.0500	0.05483		mg/Kg		110	28 - 159
o-Xylene	0.0500	0.06305		mg/Kg		126	64 - 132
m-Xylene & p-Xylene	0.100	0.1228		mg/Kg		123	65 - 128
Xylenes, Total	0.150	0.1859		mg/Kg		124	65 - 129
Bromodichloromethane	0.0500	0.05498		mg/Kg		110	68 - 121
1,2-Dichloroethene, Total	0.100	0.1121		mg/Kg		112	62 - 130
Methyl tert-butyl ether	0.0500	0.04959		mg/Kg		99	49 - 152

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*111*		*50 - 130*
Dibromofluoromethane	*116*		*68 - 140*
4-Bromofluorobenzene	*137*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*97*		*61 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-71692-1 MS
Matrix: Solid
Analysis Batch: 104298

Client Sample ID: TP-9 1'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00182	U	0.110	0.1081		mg/Kg	☼	98	60 - 140
Benzene	0.000693	U	0.0550	0.05086		mg/Kg	☼	93	65 - 135
Chlorobromomethane	0.00196	U	0.0550	0.04766		mg/Kg	☼	87	60 - 140
Bromoform	0.00151	U	0.0550	0.03910		mg/Kg	☼	71	60 - 140
Bromomethane	0.000912	U	0.0550	0.04944		mg/Kg	☼	90	60 - 140
2-Butanone (MEK)	0.00209	U	0.110	0.06432	N	mg/Kg	☼	59	60 - 140
Carbon disulfide	0.000605	U	0.0550	0.04151		mg/Kg	☼	76	60 - 140
Carbon tetrachloride	0.00124	U	0.0550	0.05036		mg/Kg	☼	92	60 - 140
Dibromochloromethane	0.00103	U	0.0550	0.04255		mg/Kg	☼	77	60 - 140
Chlorobenzene	0.00106	U	0.0550	0.05298		mg/Kg	☼	96	65 - 135
Chloroethane	0.00154	U	0.0550	0.04908		mg/Kg	☼	89	60 - 140
Chloroform	0.000726	U	0.0550	0.05000		mg/Kg	☼	91	60 - 140
Chloromethane	0.00182	U	0.0550	0.05454		mg/Kg	☼	99	60 - 140
1,1-Dichloroethane	0.000956	U	0.0550	0.05156		mg/Kg	☼	94	60 - 140
1,2-Dichloroethane	0.000989	U	0.0550	0.04639		mg/Kg	☼	84	60 - 140
1,1-Dichloroethene	0.00134	U	0.0550	0.04801		mg/Kg	☼	87	65 - 135
cis-1,2-Dichloroethene	0.000912	U	0.0550	0.04630		mg/Kg	☼	84	60 - 140
trans-1,2-Dichloroethene	0.00125	U	0.0550	0.04966		mg/Kg	☼	90	60 - 140
1,2-Dichloropropane	0.000780	U	0.0550	0.05017		mg/Kg	☼	91	60 - 140
cis-1,3-Dichloropropene	0.000594	U	0.0550	0.04188		mg/Kg	☼	76	60 - 140
trans-1,3-Dichloropropene	0.000638	U	0.0550	0.04427		mg/Kg	☼	81	60 - 140
Ethylbenzene	0.00112	U	0.0550	0.04831		mg/Kg	☼	88	60 - 140
2-Hexanone	0.00111	U	0.110	0.05961	N	mg/Kg	☼	54	60 - 140
Methylene Chloride	0.00298	J	0.0550	0.05588		mg/Kg	☼	96	60 - 140
4-Methyl-2-pentanone (MIBK)	0.00162	U	0.110	0.06448	N	mg/Kg	☼	59	60 - 140
Styrene	0.000780	U	0.0550	0.04878		mg/Kg	☼	89	60 - 140
1,1,2,2-Tetrachloroethane	0.000956	U	0.0550	0.03709		mg/Kg	☼	67	60 - 140
Tetrachloroethene	0.000780	U *	0.0550	0.07859	N	mg/Kg	☼	143	60 - 140
Toluene	0.00152	U	0.0550	0.04842		mg/Kg	☼	88	64 - 135
1,1,1-Trichloroethane	0.000813	U	0.0550	0.05266		mg/Kg	☼	96	60 - 140
1,1,2-Trichloroethane	0.000802	U	0.0550	0.04624		mg/Kg	☼	84	60 - 140
Trichloroethene	0.00154	U	0.0550	0.05395		mg/Kg	☼	98	61 - 135
Vinyl acetate	0.00102	U	0.0550	0.01496	N	mg/Kg	☼	27	60 - 140
Vinyl chloride	0.000989	U	0.0550	0.04989		mg/Kg	☼	91	60 - 140
o-Xylene	0.00124	U	0.0550	0.05321		mg/Kg	☼	97	60 - 140
m-Xylene & p-Xylene	0.00167	U	0.110	0.1030		mg/Kg	☼	94	60 - 140
Xylenes, Total	0.00124	U	0.165	0.1562		mg/Kg	☼	95	60 - 140
Bromodichloromethane	0.000726	U	0.0550	0.04568		mg/Kg	☼	83	60 - 140
1,2-Dichloroethene, Total	0.00209	U	0.110	0.09596		mg/Kg	☼	87	60 - 140
Methyl tert-butyl ether	0.00201	U	0.0550	0.04026		mg/Kg	☼	73	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*50 - 130*
Dibromofluoromethane	*96*		*68 - 140*
4-Bromofluorobenzene	*119*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*78*		*61 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-71692-1 MSD
Matrix: Solid
Analysis Batch: 104298

Client Sample ID: TP-9 1'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00182	U	0.110	0.07706	N	mg/Kg	☼	70	60 - 140	33	30
Benzene	0.000693	U	0.0550	0.05993		mg/Kg	☼	109	65 - 135	16	30
Chlorobromomethane	0.00196	U	0.0550	0.05612		mg/Kg	☼	102	60 - 140	16	30
Bromoform	0.00151	U	0.0550	0.05032		mg/Kg	☼	92	60 - 140	25	30
Bromomethane	0.000912	U	0.0550	0.06073		mg/Kg	☼	110	60 - 140	20	30
2-Butanone (MEK)	0.00209	U	0.110	0.07352		mg/Kg	☼	67	60 - 140	13	30
Carbon disulfide	0.000605	U	0.0550	0.04681		mg/Kg	☼	85	60 - 140	12	30
Carbon tetrachloride	0.00124	U	0.0550	0.05704		mg/Kg	☼	104	60 - 140	12	30
Dibromochloromethane	0.00103	U	0.0550	0.05283		mg/Kg	☼	96	60 - 140	22	30
Chlorobenzene	0.00106	U	0.0550	0.06238		mg/Kg	☼	113	65 - 135	16	30
Chloroethane	0.00154	U	0.0550	0.05527		mg/Kg	☼	101	60 - 140	12	30
Chloroform	0.000726	U	0.0550	0.05999		mg/Kg	☼	109	60 - 140	18	30
Chloromethane	0.00182	U	0.0550	0.06033		mg/Kg	☼	110	60 - 140	10	30
1,1-Dichloroethane	0.000956	U	0.0550	0.06029		mg/Kg	☼	110	60 - 140	16	30
1,2-Dichloroethane	0.000989	U	0.0550	0.05751		mg/Kg	☼	105	60 - 140	21	30
1,1-Dichloroethene	0.00134	U	0.0550	0.05413		mg/Kg	☼	98	65 - 135	12	30
cis-1,2-Dichloroethene	0.000912	U	0.0550	0.05507		mg/Kg	☼	100	60 - 140	17	30
trans-1,2-Dichloroethene	0.00125	U	0.0550	0.05442		mg/Kg	☼	99	60 - 140	9	30
1,2-Dichloropropane	0.000780	U	0.0550	0.06042		mg/Kg	☼	110	60 - 140	19	30
cis-1,3-Dichloropropene	0.000594	U	0.0550	0.05011		mg/Kg	☼	91	60 - 140	18	30
trans-1,3-Dichloropropene	0.000638	U	0.0550	0.05604		mg/Kg	☼	102	60 - 140	23	30
Ethylbenzene	0.00112	U	0.0550	0.05743		mg/Kg	☼	104	60 - 140	17	30
2-Hexanone	0.00111	U	0.110	0.07833		mg/Kg	☼	71	60 - 140	27	30
Methylene Chloride	0.00298	J	0.0550	0.06572		mg/Kg	☼	114	60 - 140	16	30
4-Methyl-2-pentanone (MIBK)	0.00162	U	0.110	0.08203		mg/Kg	☼	75	60 - 140	24	30
Styrene	0.000780	U	0.0550	0.05871		mg/Kg	☼	107	60 - 140	18	30
1,1,2,2-Tetrachloroethane	0.000956	U	0.0550	0.04867		mg/Kg	☼	89	60 - 140	27	30
Tetrachloroethene	0.000780	U *	0.0550	0.09490	N	mg/Kg	☼	173	60 - 140	19	30
Toluene	0.00152	U	0.0550	0.05690		mg/Kg	☼	104	64 - 135	16	30
1,1,1-Trichloroethane	0.000813	U	0.0550	0.06015		mg/Kg	☼	109	60 - 140	13	30
1,1,2-Trichloroethane	0.000802	U	0.0550	0.05536		mg/Kg	☼	101	60 - 140	18	30
Trichloroethene	0.00154	U	0.0550	0.06357		mg/Kg	☼	116	61 - 135	16	30
Vinyl acetate	0.00102	U	0.0550	0.01140	N	mg/Kg	☼	21	60 - 140	27	30
Vinyl chloride	0.000989	U	0.0550	0.05580		mg/Kg	☼	102	60 - 140	11	30
o-Xylene	0.00124	U	0.0550	0.06318		mg/Kg	☼	115	60 - 140	17	30
m-Xylene & p-Xylene	0.00167	U	0.110	0.1186		mg/Kg	☼	108	60 - 140	14	30
Xylenes, Total	0.00124	U	0.165	0.1818		mg/Kg	☼	110	60 - 140	15	30
Bromodichloromethane	0.000726	U	0.0550	0.05514		mg/Kg	☼	100	60 - 140	19	30
1,2-Dichloroethene, Total	0.00209	U	0.110	0.1095		mg/Kg	☼	100	60 - 140	13	30
Methyl tert-butyl ether	0.00201	U	0.0550	0.04879		mg/Kg	☼	89	60 - 140	19	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*102*		*50 - 130*
Dibromofluoromethane	*103*		*68 - 140*
4-Bromofluorobenzene	*126*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*86*		*61 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-104326/6
Matrix: Water
Analysis Batch: 104326

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/18/13 17:29	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 17:29	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/18/13 17:29	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/18/13 17:29	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			04/18/13 17:29	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/18/13 17:29	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/18/13 17:29	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/18/13 17:29	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/18/13 17:29	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/18/13 17:29	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/18/13 17:29	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/18/13 17:29	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/18/13 17:29	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/18/13 17:29	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/18/13 17:29	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/18/13 17:29	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 17:29	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/18/13 17:29	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/18/13 17:29	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/18/13 17:29	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/18/13 17:29	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/18/13 17:29	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/18/13 17:29	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/18/13 17:29	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/18/13 17:29	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/18/13 17:29	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/18/13 17:29	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/18/13 17:29	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/18/13 17:29	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/18/13 17:29	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/18/13 17:29	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/18/13 17:29	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/18/13 17:29	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/18/13 17:29	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/18/13 17:29	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/18/13 17:29	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/18/13 17:29	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/18/13 17:29	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/18/13 17:29	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/18/13 17:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*92*		*70 - 130*		*04/18/13 17:29*	*1*
Dibromofluoromethane	*78*		*62 - 130*		*04/18/13 17:29*	*1*
4-Bromofluorobenzene	*72*		*67 - 139*		*04/18/13 17:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*72*		*50 - 134*		*04/18/13 17:29*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-104326/4
Matrix: Water
Analysis Batch: 104326

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.08789		mg/L		88	28 - 152
Benzene	0.0500	0.04370		mg/L		87	69 - 131
Chlorobromomethane	0.0500	0.05095		mg/L		102	60 - 141
Bromoform	0.0500	0.04499		mg/L		90	39 - 149
Bromomethane	0.0500	0.03523		mg/L		70	52 - 146
2-Butanone (MEK)	0.100	0.07862		mg/L		79	59 - 133
Carbon disulfide	0.0500	0.03113		mg/L		62	32 - 177
Carbon tetrachloride	0.0500	0.04986		mg/L		100	59 - 147
Dibromochloromethane	0.0500	0.04346		mg/L		87	58 - 132
Chlorobenzene	0.0500	0.05466		mg/L		109	60 - 136
Chloroethane	0.0500	0.02859		mg/L		57	56 - 144
Chloroform	0.0500	0.04687		mg/L		94	69 - 128
Chloromethane	0.0500	0.02717		mg/L		54	32 - 151
1,1-Dichloroethane	0.0500	0.04660		mg/L		93	66 - 126
1,2-Dichloroethane	0.0500	0.04693		mg/L		94	66 - 140
1,1-Dichloroethene	0.0500	0.03354		mg/L		67	59 - 145
cis-1,2-Dichloroethene	0.0500	0.03925		mg/L		79	69 - 129
trans-1,2-Dichloroethene	0.0500	0.03771		mg/L		75	70 - 132
1,2-Dichloropropane	0.0500	0.04402		mg/L		88	72 - 135
cis-1,3-Dichloropropene	0.0500	0.03707		mg/L		74	60 - 135
trans-1,3-Dichloropropene	0.0500	0.04084		mg/L		82	63 - 133
Ethylbenzene	0.0500	0.04794		mg/L		96	68 - 128
2-Hexanone	0.100	0.08147		mg/L		81	51 - 130
Methylene Chloride	0.0500	0.03719		mg/L		74	62 - 134
4-Methyl-2-pentanone (MIBK)	0.100	0.08257		mg/L		83	56 - 142
Styrene	0.0500	0.04298		mg/L		86	68 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.05086		mg/L		102	68 - 134
Tetrachloroethene	0.0500	0.05729		mg/L		115	70 - 150
Toluene	0.0500	0.04329		mg/L		87	67 - 130
1,1,1-Trichloroethane	0.0500	0.05071		mg/L		101	65 - 142
1,1,2-Trichloroethane	0.0500	0.05027		mg/L		101	68 - 130
Trichloroethene	0.0500	0.05438		mg/L		109	68 - 130
Vinyl acetate	0.0500	0.04115		mg/L		82	58 - 175
Vinyl chloride	0.0500	0.02738		mg/L		55	47 - 146
o-Xylene	0.0500	0.04880		mg/L		98	68 - 134
m-Xylene & p-Xylene	0.100	0.09775		mg/L		98	67 - 132
Xylenes, Total	0.150	0.1466		mg/L		98	68 - 132
Bromodichloromethane	0.0500	0.04204		mg/L		84	73 - 130
1,2-Dichloroethene, Total	0.100	0.07696		mg/L		77	65 - 127
Methyl tert-butyl ether	0.0500	0.04356		mg/L		87	63 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*84*		*70 - 130*
Dibromofluoromethane	*89*		*62 - 130*
4-Bromofluorobenzene	*79*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*86*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-104359/4
Matrix: Solid
Analysis Batch: 104359

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00166	U	0.0100	0.00166	mg/Kg			04/19/13 10:18	1
Benzene	0.000630	U	0.00500	0.000630	mg/Kg			04/19/13 10:18	1
Chlorobromomethane	0.00178	U	0.00500	0.00178	mg/Kg			04/19/13 10:18	1
Bromoform	0.00137	U	0.00500	0.00137	mg/Kg			04/19/13 10:18	1
Bromomethane	0.000830	U	0.0100	0.000830	mg/Kg			04/19/13 10:18	1
2-Butanone (MEK)	0.00190	U	0.0100	0.00190	mg/Kg			04/19/13 10:18	1
Carbon disulfide	0.000550	U	0.0100	0.000550	mg/Kg			04/19/13 10:18	1
Carbon tetrachloride	0.00113	U	0.00500	0.00113	mg/Kg			04/19/13 10:18	1
Dibromochloromethane	0.000940	U	0.00500	0.000940	mg/Kg			04/19/13 10:18	1
Chlorobenzene	0.000960	U	0.00500	0.000960	mg/Kg			04/19/13 10:18	1
Chloroethane	0.00140	U	0.0100	0.00140	mg/Kg			04/19/13 10:18	1
Chloroform	0.000660	U	0.00500	0.000660	mg/Kg			04/19/13 10:18	1
Chloromethane	0.00166	U	0.0100	0.00166	mg/Kg			04/19/13 10:18	1
1,1-Dichloroethane	0.000870	U	0.00500	0.000870	mg/Kg			04/19/13 10:18	1
1,2-Dichloroethane	0.000900	U	0.00500	0.000900	mg/Kg			04/19/13 10:18	1
1,1-Dichloroethene	0.00122	U	0.00500	0.00122	mg/Kg			04/19/13 10:18	1
cis-1,2-Dichloroethene	0.000830	U	0.00500	0.000830	mg/Kg			04/19/13 10:18	1
trans-1,2-Dichloroethene	0.00114	U	0.00500	0.00114	mg/Kg			04/19/13 10:18	1
1,2-Dichloropropane	0.000710	U	0.00500	0.000710	mg/Kg			04/19/13 10:18	1
cis-1,3-Dichloropropene	0.000540	U	0.00500	0.000540	mg/Kg			04/19/13 10:18	1
trans-1,3-Dichloropropene	0.000580	U	0.00500	0.000580	mg/Kg			04/19/13 10:18	1
Ethylbenzene	0.00102	U	0.00500	0.00102	mg/Kg			04/19/13 10:18	1
2-Hexanone	0.00101	U	0.0100	0.00101	mg/Kg			04/19/13 10:18	1
Methylene Chloride	0.00219	U	0.0100	0.00219	mg/Kg			04/19/13 10:18	1
4-Methyl-2-pentanone (MIBK)	0.00147	U	0.0100	0.00147	mg/Kg			04/19/13 10:18	1
Styrene	0.000710	U	0.00500	0.000710	mg/Kg			04/19/13 10:18	1
1,1,2,2-Tetrachloroethane	0.000870	U	0.00500	0.000870	mg/Kg			04/19/13 10:18	1
Tetrachloroethene	0.000710	U	0.00500	0.000710	mg/Kg			04/19/13 10:18	1
Toluene	0.00138	U	0.00500	0.00138	mg/Kg			04/19/13 10:18	1
1,1,1-Trichloroethane	0.000740	U	0.00500	0.000740	mg/Kg			04/19/13 10:18	1
1,1,2-Trichloroethane	0.000730	U	0.00500	0.000730	mg/Kg			04/19/13 10:18	1
Trichloroethene	0.00140	U	0.00500	0.00140	mg/Kg			04/19/13 10:18	1
Vinyl acetate	0.000930	U	0.00500	0.000930	mg/Kg			04/19/13 10:18	1
Vinyl chloride	0.000900	U	0.0100	0.000900	mg/Kg			04/19/13 10:18	1
o-Xylene	0.00113	U	0.00500	0.00113	mg/Kg			04/19/13 10:18	1
m-Xylene & p-Xylene	0.00152	U	0.0100	0.00152	mg/Kg			04/19/13 10:18	1
Xylenes, Total	0.00113	U	0.00500	0.00113	mg/Kg			04/19/13 10:18	1
Bromodichloromethane	0.000660	U	0.00500	0.000660	mg/Kg			04/19/13 10:18	1
1,2-Dichloroethene, Total	0.00190	U	0.0100	0.00190	mg/Kg			04/19/13 10:18	1
Methyl tert-butyl ether	0.00183	U	0.00500	0.00183	mg/Kg			04/19/13 10:18	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*85*		*50 - 130*		*04/19/13 10:18*	*1*
Dibromofluoromethane	*92*		*68 - 140*		*04/19/13 10:18*	*1*
4-Bromofluorobenzene	*121*		*57 - 140*		*04/19/13 10:18*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*61 - 130*		*04/19/13 10:18*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-104359/3
Matrix: Solid
Analysis Batch: 104359

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.06563		mg/Kg		66	44 - 136
Benzene	0.0500	0.05127		mg/Kg		103	66 - 128
Chlorobromomethane	0.0500	0.04354		mg/Kg		87	60 - 140
Bromoform	0.0500	0.03736		mg/Kg		75	50 - 130
Bromomethane	0.0500	0.05267		mg/Kg		105	28 - 164
2-Butanone (MEK)	0.100	0.05171		mg/Kg		52	42 - 186
Carbon disulfide	0.0500	0.04854		mg/Kg		97	53 - 176
Carbon tetrachloride	0.0500	0.05275		mg/Kg		105	63 - 132
Dibromochloromethane	0.0500	0.03967		mg/Kg		79	63 - 125
Chlorobenzene	0.0500	0.05053		mg/Kg		101	67 - 126
Chloroethane	0.0500	0.05027		mg/Kg		101	30 - 136
Chloroform	0.0500	0.04805		mg/Kg		96	67 - 126
Chloromethane	0.0500	0.05133		mg/Kg		103	21 - 153
1,1-Dichloroethane	0.0500	0.05078		mg/Kg		102	64 - 130
1,2-Dichloroethane	0.0500	0.04185		mg/Kg		84	61 - 135
1,1-Dichloroethene	0.0500	0.04944		mg/Kg		99	40 - 157
cis-1,2-Dichloroethene	0.0500	0.04465		mg/Kg		89	62 - 130
trans-1,2-Dichloroethene	0.0500	0.04858		mg/Kg		97	65 - 130
1,2-Dichloropropane	0.0500	0.04576		mg/Kg		92	71 - 122
cis-1,3-Dichloropropene	0.0500	0.04013		mg/Kg		80	66 - 129
trans-1,3-Dichloropropene	0.0500	0.04164		mg/Kg		83	66 - 134
Ethylbenzene	0.0500	0.04963		mg/Kg		99	64 - 127
2-Hexanone	0.100	0.05479		mg/Kg		55	52 - 142
Methylene Chloride	0.0500	0.04597		mg/Kg		92	48 - 144
4-Methyl-2-pentanone (MIBK)	0.100	0.05404		mg/Kg		54	52 - 146
Styrene	0.0500	0.04798		mg/Kg		96	63 - 128
1,1,2,2-Tetrachloroethane	0.0500	0.03634		mg/Kg		73	59 - 134
Tetrachloroethene	0.0500	0.06169		mg/Kg		123	69 - 125
Toluene	0.0500	0.04847		mg/Kg		97	69 - 125
1,1,1-Trichloroethane	0.0500	0.05480		mg/Kg		110	70 - 127
1,1,2-Trichloroethane	0.0500	0.03998		mg/Kg		80	67 - 124
Trichloroethene	0.0500	0.05016		mg/Kg		100	70 - 136
Vinyl acetate	0.0500	0.03068		mg/Kg		61	54 - 136
Vinyl chloride	0.0500	0.04958		mg/Kg		99	28 - 159
o-Xylene	0.0500	0.05121		mg/Kg		102	64 - 132
m-Xylene & p-Xylene	0.100	0.1022		mg/Kg		102	65 - 128
Xylenes, Total	0.150	0.1534		mg/Kg		102	65 - 129
Bromodichloromethane	0.0500	0.04210		mg/Kg		84	68 - 121
1,2-Dichloroethene, Total	0.100	0.09323		mg/Kg		93	62 - 130
Methyl tert-butyl ether	0.0500	0.03683		mg/Kg		74	49 - 152

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*50 - 130*
Dibromofluoromethane	*92*		*68 - 140*
4-Bromofluorobenzene	*116*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*74*		*61 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104359

Client Sample ID: TP-8 3'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00226	U	0.139	0.1747		mg/Kg	☼	126	60 - 140
Benzene	0.000859	U	0.0694	0.06258		mg/Kg	☼	90	65 - 135
Chlorobromomethane	0.00243	U	0.0694	0.06165		mg/Kg	☼	89	60 - 140
Bromoform	0.00187	U	0.0694	0.05104		mg/Kg	☼	74	60 - 140
Bromomethane	0.00113	U	0.0694	0.05750		mg/Kg	☼	83	60 - 140
2-Butanone (MEK)	0.00259	U	0.139	0.1083		mg/Kg	☼	78	60 - 140
Carbon disulfide	0.000750	U	0.0694	0.04988		mg/Kg	☼	72	60 - 140
Carbon tetrachloride	0.00154	U	0.0694	0.06133		mg/Kg	☼	88	60 - 140
Dibromochloromethane	0.00128	U	0.0694	0.05523		mg/Kg	☼	80	60 - 140
Chlorobenzene	0.00131	U	0.0694	0.06361		mg/Kg	☼	92	65 - 135
Chloroethane	0.00191	U	0.0694	0.05869		mg/Kg	☼	85	60 - 140
Chloroform	0.000900	U	0.0694	0.06322		mg/Kg	☼	91	60 - 140
Chloromethane	0.00226	U	0.0694	0.06542		mg/Kg	☼	94	60 - 140
1,1-Dichloroethane	0.00119	U	0.0694	0.06494		mg/Kg	☼	94	60 - 140
1,2-Dichloroethane	0.00123	U	0.0694	0.06258		mg/Kg	☼	90	60 - 140
1,1-Dichloroethene	0.00166	U	0.0694	0.06020		mg/Kg	☼	87	65 - 135
cis-1,2-Dichloroethene	0.00113	U	0.0694	0.05958		mg/Kg	☼	86	60 - 140
trans-1,2-Dichloroethene	0.00155	U	0.0694	0.05752		mg/Kg	☼	83	60 - 140
1,2-Dichloropropane	0.000968	U	0.0694	0.06156		mg/Kg	☼	89	60 - 140
cis-1,3-Dichloropropene	0.000736	U	0.0694	0.05383		mg/Kg	☼	78	60 - 140
trans-1,3-Dichloropropene	0.000791	U	0.0694	0.06014		mg/Kg	☼	87	60 - 140
Ethylbenzene	0.00139	U	0.0694	0.05572		mg/Kg	☼	80	60 - 140
2-Hexanone	0.00138	U	0.139	0.09155		mg/Kg	☼	66	60 - 140
Methylene Chloride	0.0247		0.0694	0.07748		mg/Kg	☼	76	60 - 140
4-Methyl-2-pentanone (MIBK)	0.00200	U	0.139	0.09785		mg/Kg	☼	71	60 - 140
Styrene	0.000968	U	0.0694	0.05647		mg/Kg	☼	81	60 - 140
1,1,2,2-Tetrachloroethane	0.00119	U	0.0694	0.05526		mg/Kg	☼	80	60 - 140
Tetrachloroethene	0.000968	U	0.0694	0.07066		mg/Kg	☼	102	60 - 140
Toluene	0.00188	U	0.0694	0.05864		mg/Kg	☼	85	64 - 135
1,1,1-Trichloroethane	0.00101	U	0.0694	0.06362		mg/Kg	☼	92	60 - 140
1,1,2-Trichloroethane	0.000995	U	0.0694	0.05948		mg/Kg	☼	86	60 - 140
Trichloroethene	0.00191	U	0.0694	0.06185		mg/Kg	☼	89	61 - 135
Vinyl acetate	0.00127	U	0.0694	0.02572	N	mg/Kg	☼	37	60 - 140
Vinyl chloride	0.00123	U	0.0694	0.05999		mg/Kg	☼	86	60 - 140
o-Xylene	0.00154	U	0.0694	0.06120		mg/Kg	☼	88	60 - 140
m-Xylene & p-Xylene	0.00207	U	0.139	0.1192		mg/Kg	☼	86	60 - 140
Xylenes, Total	0.00154	U	0.208	0.1804		mg/Kg	☼	87	60 - 140
Bromodichloromethane	0.000900	U	0.0694	0.05689		mg/Kg	☼	82	60 - 140
1,2-Dichloroethene, Total	0.00259	U	0.139	0.1171		mg/Kg	☼	84	60 - 140
Methyl tert-butyl ether	0.00249	U	0.0694	0.05467		mg/Kg	☼	79	60 - 140

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*50 - 130*
Dibromofluoromethane	*91*		*68 - 140*
4-Bromofluorobenzene	*117*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*79*		*61 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-71692-4 MSD
Matrix: Solid
Analysis Batch: 104359

Client Sample ID: TP-8 3'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00226	U	0.141	0.1148	N	mg/Kg	☼	82	60 - 140	41	30
Benzene	0.000859	U	0.0703	0.07499		mg/Kg	☼	107	65 - 135	18	30
Chlorobromomethane	0.00243	U	0.0703	0.07429		mg/Kg	☼	106	60 - 140	19	30
Bromoform	0.00187	U	0.0703	0.06359		mg/Kg	☼	90	60 - 140	22	30
Bromomethane	0.00113	U	0.0703	0.07248		mg/Kg	☼	103	60 - 140	23	30
2-Butanone (MEK)	0.00259	U	0.141	0.09675		mg/Kg	☼	69	60 - 140	11	30
Carbon disulfide	0.000750	U	0.0703	0.06157		mg/Kg	☼	88	60 - 140	21	30
Carbon tetrachloride	0.00154	U	0.0703	0.07322		mg/Kg	☼	104	60 - 140	18	30
Dibromochloromethane	0.00128	U	0.0703	0.06536		mg/Kg	☼	93	60 - 140	17	30
Chlorobenzene	0.00131	U	0.0703	0.07727		mg/Kg	☼	110	65 - 135	19	30
Chloroethane	0.00191	U	0.0703	0.07009		mg/Kg	☼	100	60 - 140	18	30
Chloroform	0.000900	U	0.0703	0.07914		mg/Kg	☼	113	60 - 140	22	30
Chloromethane	0.00226	U	0.0703	0.07842		mg/Kg	☼	112	60 - 140	18	30
1,1-Dichloroethane	0.00119	U	0.0703	0.08123		mg/Kg	☼	116	60 - 140	22	30
1,2-Dichloroethane	0.00123	U	0.0703	0.07252		mg/Kg	☼	103	60 - 140	15	30
1,1-Dichloroethene	0.00166	U	0.0703	0.06951		mg/Kg	☼	99	65 - 135	14	30
cis-1,2-Dichloroethene	0.00113	U	0.0703	0.07296		mg/Kg	☼	104	60 - 140	20	30
trans-1,2-Dichloroethene	0.00155	U	0.0703	0.07022		mg/Kg	☼	100	60 - 140	20	30
1,2-Dichloropropane	0.000968	U	0.0703	0.07550		mg/Kg	☼	107	60 - 140	20	30
cis-1,3-Dichloropropene	0.000736	U	0.0703	0.06461		mg/Kg	☼	92	60 - 140	18	30
trans-1,3-Dichloropropene	0.000791	U	0.0703	0.07176		mg/Kg	☼	102	60 - 140	18	30
Ethylbenzene	0.00139	U	0.0703	0.07030		mg/Kg	☼	100	60 - 140	23	30
2-Hexanone	0.00138	U	0.141	0.1019		mg/Kg	☼	72	60 - 140	11	30
Methylene Chloride	0.0247		0.0703	0.08425		mg/Kg	☼	85	60 - 140	8	30
4-Methyl-2-pentanone (MIBK)	0.00200	U	0.141	0.1059		mg/Kg	☼	75	60 - 140	8	30
Styrene	0.000968	U	0.0703	0.07391		mg/Kg	☼	105	60 - 140	27	30
1,1,2,2-Tetrachloroethane	0.00119	U	0.0703	0.06464		mg/Kg	☼	92	60 - 140	16	30
Tetrachloroethene	0.000968	U	0.0703	0.08952		mg/Kg	☼	127	60 - 140	24	30
Toluene	0.00188	U	0.0703	0.07202		mg/Kg	☼	102	64 - 135	20	30
1,1,1-Trichloroethane	0.00101	U	0.0703	0.07687		mg/Kg	☼	109	60 - 140	19	30
1,1,2-Trichloroethane	0.000995	U	0.0703	0.07165		mg/Kg	☼	102	60 - 140	19	30
Trichloroethene	0.00191	U	0.0703	0.07500		mg/Kg	☼	107	61 - 135	19	30
Vinyl acetate	0.00127	U	0.0703	0.02402	N	mg/Kg	☼	34	60 - 140	7	30
Vinyl chloride	0.00123	U	0.0703	0.07075		mg/Kg	☼	101	60 - 140	16	30
o-Xylene	0.00154	U	0.0703	0.07833		mg/Kg	☼	111	60 - 140	25	30
m-Xylene & p-Xylene	0.00207	U	0.141	0.1510		mg/Kg	☼	107	60 - 140	23	30
Xylenes, Total	0.00154	U	0.211	0.2293		mg/Kg	☼	109	60 - 140	24	30
Bromodichloromethane	0.000900	U	0.0703	0.06836		mg/Kg	☼	97	60 - 140	18	30
1,2-Dichloroethene, Total	0.00259	U	0.141	0.1432		mg/Kg	☼	102	60 - 140	20	30
Methyl tert-butyl ether	0.00249	U	0.0703	0.06100		mg/Kg	☼	87	60 - 140	11	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*50 - 130*
Dibromofluoromethane	*101*		*68 - 140*
4-Bromofluorobenzene	*127*		*57 - 140*
1,2-Dichloroethane-d4 (Surr)	*86*		*61 - 130*

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-104245/1-A
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104245

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00144	U	0.0167	0.00144	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Acenaphthylene	0.00100	U	0.0167	0.00100	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Anthracene	0.00128	U	0.0167	0.00128	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzidine	0.00902	U	0.0833	0.00902	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzo[a]anthracene	0.00138	U	0.0167	0.00138	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzo[b]fluoranthene	0.00172	U	0.0167	0.00172	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzo[k]fluoranthene	0.00149	U	0.0167	0.00149	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzo[g,h,i]perylene	0.00507	U	0.0167	0.00507	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzo[a]pyrene	0.00161	U	0.0167	0.00161	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Bis(2-chloroethoxy)methane	0.00142	U	0.0167	0.00142	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Bis(2-chloroethyl)ether	0.00165	U	0.0167	0.00165	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Bis(2-ethylhexyl) phthalate	0.00537	U	0.0667	0.00537	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Bromophenyl phenyl ether	0.00284	U	0.0167	0.00284	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Butyl benzyl phthalate	0.00619	U	0.0667	0.00619	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Chloroaniline	0.00582	U	0.0167	0.00582	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Chloronaphthalene	0.00121	U	0.0167	0.00121	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Chlorophenyl phenyl ether	0.00180	U	0.0167	0.00180	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Carbazole	0.00312	U	0.0167	0.00312	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Chrysene	0.00102	U	0.0167	0.00102	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Di-n-butyl phthalate	0.00259	U	0.0667	0.00259	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Dibenz(a,h)anthracene	0.00363	U	0.0167	0.00363	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Dibenzofuran	0.00178	U	0.0167	0.00178	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
1,2-Dichlorobenzene	0.00302	U	0.0167	0.00302	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
1,3-Dichlorobenzene	0.00154	U	0.0167	0.00154	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
1,4-Dichlorobenzene	0.00225	U	0.0167	0.00225	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
3,3'-Dichlorobenzidine	0.0102	U	0.0167	0.0102	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Diethyl phthalate	0.00843	U	0.0667	0.00843	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Dimethyl phthalate	0.00489	U	0.0667	0.00489	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4-Dinitrotoluene	0.00361	U	0.0167	0.00361	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Di-n-octyl phthalate	0.00190	U	0.0667	0.00190	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Fluoranthene	0.00311	U	0.0167	0.00311	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Fluorene	0.00236	U	0.0167	0.00236	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Hexachlorobenzene	0.00152	U	0.0167	0.00152	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Hexachlorocyclopentadiene	0.00461	U	0.0167	0.00461	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Hexachloroethane	0.00231	U	0.0167	0.00231	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Hexachlorobutadiene	0.00192	U	0.0167	0.00192	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Indeno[1,2,3-cd]pyrene	0.00350	U	0.0167	0.00350	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Isophorone	0.00100	U	0.0167	0.00100	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Methylnaphthalene	0.00274	U	0.0167	0.00274	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Naphthalene	0.00135	U	0.0167	0.00135	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Nitroaniline	0.00489	U	0.0167	0.00489	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
3-Nitroaniline	0.00715	U	0.0167	0.00715	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Nitroaniline	0.0112	U	0.0167	0.0112	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Nitrobenzene	0.00296	U	0.0167	0.00296	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
N-Nitrosodimethylamine	0.00419	U	0.0167	0.00419	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
N-Nitrosodiphenylamine	0.00189	U	0.0167	0.00189	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
N-Nitrosodi-n-propylamine	0.00222	U	0.0167	0.00222	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Phenanthrene	0.00495	U	0.0167	0.00495	mg/Kg		04/18/13 11:47	04/18/13 21:08	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-104245/1-A
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104245

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.00183	U	0.0167	0.00183	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
1,2,4-Trichlorobenzene	0.00210	U	0.0167	0.00210	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Benzyl alcohol	0.00583	U	0.0167	0.00583	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Chloro-3-methylphenol	0.0156	U	0.0167	0.0156	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Chlorophenol	0.00197	U	0.0167	0.00197	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Methylphenol	0.00323	U	0.0167	0.00323	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
3 & 4 Methylphenol	0.00279	U	0.0333	0.00279	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4-Dichlorophenol	0.00387	U	0.0167	0.00387	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4-Dimethylphenol	0.00858	U	0.0167	0.00858	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4,6-Dinitro-2-methylphenol	0.00498	U	0.0167	0.00498	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4-Dinitrophenol	0.00472	U	0.100	0.00472	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2-Nitrophenol	0.00389	U	0.0167	0.00389	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
4-Nitrophenol	0.00508	U	0.0167	0.00508	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Pentachlorophenol	0.00400	U	0.167	0.00400	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
Phenol	0.00424	U	0.0167	0.00424	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4,5-Trichlorophenol	0.0100	U	0.0167	0.0100	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,4,6-Trichlorophenol	0.00268	U	0.0167	0.00268	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
2,6-Dinitrotoluene	0.00295	U	0.0167	0.00295	mg/Kg		04/18/13 11:47	04/18/13 21:08	1
bis (2-Chloroisopropyl) ether	0.00884	U	0.0167	0.00884	mg/Kg		04/18/13 11:47	04/18/13 21:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*71*		*43 - 125*	*04/18/13 11:47*	*04/18/13 21:08*	*1*
Terphenyl-d14	*85*		*56 - 123*	*04/18/13 11:47*	*04/18/13 21:08*	*1*
Nitrobenzene-d5	*75*		*34 - 118*	*04/18/13 11:47*	*04/18/13 21:08*	*1*
2-Fluorophenol	*77*		*41 - 122*	*04/18/13 11:47*	*04/18/13 21:08*	*1*
2-Fluorobiphenyl	*87*		*51 - 120*	*04/18/13 11:47*	*04/18/13 21:08*	*1*
2,4,6-Tribromophenol	*67*		*34 - 122*	*04/18/13 11:47*	*04/18/13 21:08*	*1*

Lab Sample ID: LCS 600-104245/2-A
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.2835		mg/Kg		85	58 - 125
Acenaphthylene	0.333	0.2905		mg/Kg		87	51 - 122
Anthracene	0.333	0.2694		mg/Kg		81	52 - 120
Benzidine	6.67	2.279		mg/Kg		34	10 - 135
Benzo[a]anthracene	0.333	0.3123		mg/Kg		94	49 - 124
Benzo[b]fluoranthene	0.333	0.2749		mg/Kg		82	58 - 130
Benzo[k]fluoranthene	0.333	0.3427		mg/Kg		103	56 - 129
Benzo[g,h,i]perylene	0.333	0.2816		mg/Kg		84	50 - 140
Benzo[a]pyrene	0.333	0.2725		mg/Kg		82	58 - 123
Bis(2-chloroethoxy)methane	0.333	0.2448		mg/Kg		73	54 - 114
Bis(2-chloroethyl)ether	0.333	0.2177		mg/Kg		65	44 - 119
Bis(2-ethylhexyl) phthalate	0.333	0.2769		mg/Kg		83	55 - 136
4-Bromophenyl phenyl ether	0.333	0.2720		mg/Kg		82	56 - 126
Butyl benzyl phthalate	0.333	0.2815		mg/Kg		84	43 - 135
4-Chloroaniline	0.333	0.3655		mg/Kg		110	42 - 122

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-104245/2-A
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	0.333	0.2516		mg/Kg		75	50 - 123
4-Chlorophenyl phenyl ether	0.333	0.2880		mg/Kg		86	57 - 126
Carbazole	0.333	0.3655		mg/Kg		110	47 - 153
Chrysene	0.333	0.2933		mg/Kg		88	50 - 123
Di-n-butyl phthalate	0.333	0.2846		mg/Kg		85	61 - 124
Dibenz(a,h)anthracene	0.333	0.2929		mg/Kg		88	55 - 141
Dibenzofuran	0.333	0.2874		mg/Kg		86	54 - 119
1,2-Dichlorobenzene	0.333	0.2358		mg/Kg		71	57 - 117
1,3-Dichlorobenzene	0.333	0.2378		mg/Kg		71	50 - 128
1,4-Dichlorobenzene	0.333	0.2312		mg/Kg		69	59 - 117
3,3'-Dichlorobenzidine	0.333	0.2230		mg/Kg		67	18 - 172
Diethyl phthalate	0.333	0.2855		mg/Kg		86	55 - 126
Dimethyl phthalate	0.333	0.2737		mg/Kg		82	58 - 126
2,4-Dinitrotoluene	0.333	0.2788		mg/Kg		84	53 - 123
Di-n-octyl phthalate	0.333	0.2900		mg/Kg		87	45 - 135
Fluoranthene	0.333	0.3253		mg/Kg		98	56 - 123
Fluorene	0.333	0.2910		mg/Kg		87	52 - 147
Hexachlorobenzene	0.333	0.3026		mg/Kg		91	59 - 122
Hexachlorocyclopentadiene	0.333	0.2242		mg/Kg		67	33 - 119
Hexachloroethane	0.333	0.2371		mg/Kg		71	36 - 116
Hexachlorobutadiene	0.333	0.2498		mg/Kg		75	49 - 123
Indeno[1,2,3-cd]pyrene	0.333	0.2941		mg/Kg		88	40 - 147
Isophorone	0.333	0.2333		mg/Kg		70	49 - 115
2-Methylnaphthalene	0.333	0.2535		mg/Kg		76	54 - 130
Naphthalene	0.333	0.2749		mg/Kg		82	52 - 117
2-Nitroaniline	0.333	0.2540		mg/Kg		76	49 - 149
3-Nitroaniline	0.333	0.5066	*	mg/Kg		152	45 - 133
4-Nitroaniline	0.333	0.3273		mg/Kg		98	48 - 138
Nitrobenzene	0.333	0.2387		mg/Kg		72	53 - 123
N-Nitrosodimethylamine	0.333	0.2847		mg/Kg		85	41 - 138
N-Nitrosodiphenylamine	0.333	0.2777		mg/Kg		83	47 - 127
N-Nitrosodi-n-propylamine	0.333	0.2366		mg/Kg		71	43 - 140
Phenanthrene	0.333	0.3161		mg/Kg		95	55 - 120
Pyrene	0.333	0.2754		mg/Kg		83	48 - 131
1,2,4-Trichlorobenzene	0.333	0.2443		mg/Kg		73	54 - 115
Benzyl alcohol	0.333	0.2546		mg/Kg		76	25 - 141
4-Chloro-3-methylphenol	0.333	0.2476		mg/Kg		74	54 - 119
2-Chlorophenol	0.333	0.2391		mg/Kg		72	54 - 119
2-Methylphenol	0.333	0.2350		mg/Kg		71	45 - 118
3 & 4 Methylphenol	0.333	0.2327		mg/Kg		70	44 - 126
2,4-Dichlorophenol	0.333	0.2442		mg/Kg		73	54 - 119
2,4-Dimethylphenol	0.333	0.2317		mg/Kg		69	36 - 124
4,6-Dinitro-2-methylphenol	0.333	0.2854		mg/Kg		86	34 - 124
2,4-Dinitrophenol	0.333	0.3171		mg/Kg		95	25 - 117
2-Nitrophenol	0.333	0.2491		mg/Kg		75	50 - 112
4-Nitrophenol	0.333	0.2594		mg/Kg		78	20 - 132
Pentachlorophenol	0.333	0.2831		mg/Kg		85	17 - 124
Phenol	0.333	0.2485		mg/Kg		75	33 - 122

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-104245/2-A
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	0.333	0.2648		mg/Kg		79	59 - 136
2,4,6-Trichlorophenol	0.333	0.2505		mg/Kg		75	59 - 134
2,6-Dinitrotoluene	0.333	0.2724		mg/Kg		82	53 - 116
bis (2-Chloroisopropyl) ether	0.333	0.2353		mg/Kg		71	51 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*77*		*43 - 125*
Terphenyl-d14	*93*		*56 - 123*
Nitrobenzene-d5	*79*		*34 - 118*
2-Fluorophenol	*81*		*41 - 122*
2-Fluorobiphenyl	*91*		*51 - 120*
2,4,6-Tribromophenol	*95*		*34 - 122*

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.00196	U	0.462	0.3857		mg/Kg	☼	83	25 - 134
Acenaphthylene	0.00136	U	0.462	0.3979		mg/Kg	☼	86	32 - 137
Anthracene	0.00791	J	0.462	0.3847		mg/Kg	☼	82	35 - 115
Benzidine	0.0123	U	9.24	5.635		mg/Kg	☼	61	0 - 150
Benzo[a]anthracene	0.00188	U	0.462	0.4522		mg/Kg	☼	98	38 - 128
Benzo[b]fluoranthene	0.0142	J	0.462	0.4162		mg/Kg	☼	87	40 - 131
Benzo[k]fluoranthene	0.00203	U	0.462	0.4786		mg/Kg	☼	104	33 - 137
Benzo[g,h,i]perylene	0.00690	U	0.462	0.2353		mg/Kg	☼	51	34 - 110
Benzo[a]pyrene	0.00776	J	0.462	0.3898		mg/Kg	☼	83	30 - 130
Bis(2-chloroethoxy)methane	0.00193	U	0.462	0.3154		mg/Kg	☼	68	33 - 119
Bis(2-chloroethyl)ether	0.00224	U	0.462	0.2483		mg/Kg	☼	54	28 - 120
Bis(2-ethylhexyl) phthalate	0.0230	J	0.462	0.4131		mg/Kg	☼	84	44 - 139
4-Bromophenyl phenyl ether	0.00386	U	0.462	0.3970		mg/Kg	☼	86	41 - 123
Butyl benzyl phthalate	0.00842	U	0.462	0.4045		mg/Kg	☼	88	41 - 139
4-Chloroaniline	0.00792	U	0.462	0.5121		mg/Kg	☼	111	15 - 112
2-Chloronaphthalene	0.00165	U	0.462	0.3315		mg/Kg	☼	72	34 - 126
4-Chlorophenyl phenyl ether	0.00245	U	0.462	0.4152		mg/Kg	☼	90	32 - 132
Carbazole	0.00424	U	0.462	0.4905		mg/Kg	☼	106	7 - 163
Chrysene	0.00139	U	0.462	0.4328		mg/Kg	☼	94	36 - 130
Di-n-butyl phthalate	0.0116	J	0.462	0.3899		mg/Kg	☼	82	41 - 126
Dibenz(a,h)anthracene	0.00494	U	0.462	0.2928		mg/Kg	☼	63	19 - 125
Dibenzofuran	0.00242	U	0.462	0.4061		mg/Kg	☼	88	35 - 125
1,2-Dichlorobenzene	0.00411	U	0.462	0.2850		mg/Kg	☼	62	30 - 130
1,3-Dichlorobenzene	0.00209	U	0.462	0.2898		mg/Kg	☼	63	30 - 130
1,4-Dichlorobenzene	0.00306	U	0.462	0.2735		mg/Kg	☼	59	30 - 130
3,3'-Dichlorobenzidine	0.0138	U	0.462	0.3084		mg/Kg	☼	67	14 - 132
Diethyl phthalate	0.0115	U	0.462	0.3917		mg/Kg	☼	85	41 - 129
Dimethyl phthalate	0.00665	U	0.462	0.3750		mg/Kg	☼	81	40 - 130
2,4-Dinitrotoluene	0.00491	U	0.462	0.3586		mg/Kg	☼	78	10 - 129
Di-n-octyl phthalate	0.00258	U	0.462	0.4675		mg/Kg	☼	101	36 - 152

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.00423	U	0.462	0.4635		mg/Kg	☼	100	37 - 132
Fluorene	0.00321	U	0.462	0.4080		mg/Kg	☼	88	36 - 122
Hexachlorobenzene	0.00207	U	0.462	0.4362		mg/Kg	☼	94	40 - 123
Hexachlorocyclopentadiene	0.00627	U	0.462	0.1205		mg/Kg	☼	26	10 - 118
Hexachloroethane	0.00314	U	0.462	0.2308		mg/Kg	☼	50	31 - 113
Hexachlorobutadiene	0.00261	U	0.462	0.3107		mg/Kg	☼	67	32 - 124
Indeno[1,2,3-cd]pyrene	0.00476	U	0.462	0.2818		mg/Kg	☼	61	30 - 112
Isophorone	0.00136	U	0.462	0.3068		mg/Kg	☼	66	33 - 125
2-Methylnaphthalene	0.00373	U	0.462	0.3323		mg/Kg	☼	72	32 - 136
Naphthalene	0.00184	U	0.462	0.3453		mg/Kg	☼	75	30 - 112
2-Nitroaniline	0.00665	U	0.462	0.4264		mg/Kg	☼	92	38 - 130
3-Nitroaniline	0.00973	U *	0.462	0.8366	N	mg/Kg	☼	181	22 - 124
4-Nitroaniline	0.0152	U	0.462	0.5032		mg/Kg	☼	109	21 - 122
Nitrobenzene	0.00403	U	0.462	0.2914		mg/Kg	☼	63	29 - 118
N-Nitrosodimethylamine	0.00570	U	0.462	0.3831		mg/Kg	☼	83	30 - 130
N-Nitrosodiphenylamine	0.00257	U	0.462	0.4024		mg/Kg	☼	87	28 - 106
N-Nitrosodi-n-propylamine	0.00302	U	0.462	0.2986		mg/Kg	☼	65	34 - 115
Phenanthrene	0.00673	U	0.462	0.4500		mg/Kg	☼	97	26 - 126
Pyrene	0.0115	J	0.462	0.4062		mg/Kg	☼	85	28 - 138
1,2,4-Trichlorobenzene	0.00286	U	0.462	0.3027		mg/Kg	☼	66	38 - 107
Benzyl alcohol	0.00793	U	0.462	0.3547		mg/Kg	☼	77	27 - 128
4-Chloro-3-methylphenol	0.0212	U	0.462	0.3835		mg/Kg	☼	83	26 - 132
2-Chlorophenol	0.00268	U	0.462	0.3007		mg/Kg	☼	65	21 - 130
2-Methylphenol	0.00439	U	0.462	0.3081		mg/Kg	☼	67	26 - 125
3 & 4 Methylphenol	0.00380	U	0.462	0.3194		mg/Kg	☼	69	30 - 130
2,4-Dichlorophenol	0.00526	U	0.462	0.3285		mg/Kg	☼	71	35 - 121
2,4-Dimethylphenol	0.0117	U	0.462	0.3338		mg/Kg	☼	72	29 - 122
4,6-Dinitro-2-methylphenol	0.00677	U	0.462	0.4142		mg/Kg	☼	90	10 - 104
2,4-Dinitrophenol	0.00642	U	0.462	0.2713		mg/Kg	☼	59	10 - 121
2-Nitrophenol	0.00529	U	0.462	0.2571		mg/Kg	☼	56	30 - 130
4-Nitrophenol	0.00691	U	0.462	0.3801		mg/Kg	☼	82	25 - 122
Pentachlorophenol	0.00544	U	0.462	0.4111		mg/Kg	☼	89	25 - 124
Phenol	0.00577	U	0.462	0.3156		mg/Kg	☼	68	31 - 121
2,4,5-Trichlorophenol	0.0136	U	0.462	0.3935		mg/Kg	☼	85	30 - 130
2,4,6-Trichlorophenol	0.00365	U	0.462	0.3641		mg/Kg	☼	79	30 - 130
2,6-Dinitrotoluene	0.00401	U	0.462	0.3582		mg/Kg	☼	78	30 - 124
bis (2-Chloroisopropyl) ether	0.0120	U	0.462	0.2870		mg/Kg	☼	62	50 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*72*		*43 - 125*
Terphenyl-d14	*96*		*56 - 123*
Nitrobenzene-d5	*69*		*34 - 118*
2-Fluorophenol	*69*		*41 - 122*
2-Fluorobiphenyl	*83*		*51 - 120*
2,4,6-Tribromophenol	*95*		*34 - 122*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-4 MSD
Matrix: Solid
Analysis Batch: 104365

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104245

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.00196	U	0.468	0.4185		mg/Kg	☼	89	25 - 134	8	30
Acenaphthylene	0.00136	U	0.468	0.4282		mg/Kg	☼	92	32 - 137	7	30
Anthracene	0.00791	J	0.468	0.3930		mg/Kg	☼	82	35 - 115	2	30
Benzidine	0.0123	U	9.36	5.543		mg/Kg	☼	59	0 - 150	2	40
Benzo[a]anthracene	0.00188	U	0.468	0.4590		mg/Kg	☼	98	38 - 128	1	30
Benzo[b]fluoranthene	0.0142	J	0.468	0.4381		mg/Kg	☼	91	40 - 131	5	30
Benzo[k]fluoranthene	0.00203	U	0.468	0.5052		mg/Kg	☼	108	33 - 137	5	30
Benzo[g,h,i]perylene	0.00690	U	0.468	0.2258		mg/Kg	☼	48	34 - 110	4	30
Benzo[a]pyrene	0.00776	J	0.468	0.4134		mg/Kg	☼	87	30 - 130	6	30
Bis(2-chloroethoxy)methane	0.00193	U	0.468	0.3692		mg/Kg	☼	79	33 - 119	16	30
Bis(2-chloroethyl)ether	0.00224	U	0.468	0.3187		mg/Kg	☼	68	28 - 120	25	30
Bis(2-ethylhexyl) phthalate	0.0230	J	0.468	0.4214		mg/Kg	☼	85	44 - 139	2	30
4-Bromophenyl phenyl ether	0.00386	U	0.468	0.4011		mg/Kg	☼	86	41 - 123	1	30
Butyl benzyl phthalate	0.00842	U	0.468	0.4095		mg/Kg	☼	88	41 - 139	1	30
4-Chloroaniline	0.00792	U	0.468	0.5602	N	mg/Kg	☼	120	15 - 112	9	30
2-Chloronaphthalene	0.00165	U	0.468	0.3670		mg/Kg	☼	78	34 - 126	10	30
4-Chlorophenyl phenyl ether	0.00245	U	0.468	0.4252		mg/Kg	☼	91	32 - 132	2	30
Carbazole	0.00424	U	0.468	0.4966		mg/Kg	☼	106	7 - 163	1	30
Chrysene	0.00139	U	0.468	0.4295		mg/Kg	☼	92	36 - 130	1	30
Di-n-butyl phthalate	0.0116	J	0.468	0.3934		mg/Kg	☼	82	41 - 126	1	30
Dibenz(a,h)anthracene	0.00494	U	0.468	0.2736		mg/Kg	☼	58	19 - 125	7	30
Dibenzofuran	0.00242	U	0.468	0.4308		mg/Kg	☼	92	35 - 125	6	30
1,2-Dichlorobenzene	0.00411	U	0.468	0.3556		mg/Kg	☼	76	30 - 130	22	30
1,3-Dichlorobenzene	0.00209	U	0.468	0.3564		mg/Kg	☼	76	30 - 130	21	30
1,4-Dichlorobenzene	0.00306	U	0.468	0.3443		mg/Kg	☼	74	30 - 130	23	30
3,3'-Dichlorobenzidine	0.0138	U	0.468	0.3033		mg/Kg	☼	65	14 - 132	2	30
Diethyl phthalate	0.0115	U	0.468	0.4016		mg/Kg	☼	86	41 - 129	2	30
Dimethyl phthalate	0.00665	U	0.468	0.3954		mg/Kg	☼	85	40 - 130	5	30
2,4-Dinitrotoluene	0.00491	U	0.468	0.3528		mg/Kg	☼	75	10 - 129	2	30
Di-n-octyl phthalate	0.00258	U	0.468	0.5053		mg/Kg	☼	108	36 - 152	8	30
Fluoranthene	0.00423	U	0.468	0.4727		mg/Kg	☼	101	37 - 132	2	30
Fluorene	0.00321	U	0.468	0.4288		mg/Kg	☼	92	36 - 122	5	30
Hexachlorobenzene	0.00207	U	0.468	0.4468		mg/Kg	☼	95	40 - 123	2	30
Hexachlorocyclopentadiene	0.00627	U	0.468	0.1227		mg/Kg	☼	26	10 - 118	2	30
Hexachloroethane	0.00314	U	0.468	0.2780		mg/Kg	☼	59	31 - 113	19	30
Hexachlorobutadiene	0.00261	U	0.468	0.3705		mg/Kg	☼	79	32 - 124	18	30
Indeno[1,2,3-cd]pyrene	0.00476	U	0.468	0.2670		mg/Kg	☼	57	30 - 112	5	30
Isophorone	0.00136	U	0.468	0.3540		mg/Kg	☼	76	33 - 125	14	30
2-Methylnaphthalene	0.00373	U	0.468	0.3834		mg/Kg	☼	82	32 - 136	14	30
Naphthalene	0.00184	U	0.468	0.4107		mg/Kg	☼	88	30 - 112	17	30
2-Nitroaniline	0.00665	U	0.468	0.4133		mg/Kg	☼	88	38 - 130	3	30
3-Nitroaniline	0.00973	U *	0.468	0.8833	N	mg/Kg	☼	189	22 - 124	5	30
4-Nitroaniline	0.0152	U	0.468	0.5092		mg/Kg	☼	109	21 - 122	1	30
Nitrobenzene	0.00403	U	0.468	0.3425		mg/Kg	☼	73	29 - 118	16	30
N-Nitrosodimethylamine	0.00570	U	0.468	0.4286		mg/Kg	☼	92	30 - 130	11	30
N-Nitrosodiphenylamine	0.00257	U	0.468	0.4148		mg/Kg	☼	89	28 - 106	3	30
N-Nitrosodi-n-propylamine	0.00302	U	0.468	0.3540		mg/Kg	☼	76	34 - 115	17	30
Phenanthrene	0.00673	U	0.468	0.4626		mg/Kg	☼	99	26 - 126	3	30

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-4 MSD — **Client Sample ID: TP-8 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104365 — **Prep Batch: 104245**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.0115	J	0.468	0.4096		mg/Kg	☼	85	28 - 138	1	30
1,2,4-Trichlorobenzene	0.00286	U	0.468	0.3662		mg/Kg	☼	78	38 - 107	19	30
Benzyl alcohol	0.00793	U	0.468	0.3680		mg/Kg	☼	79	27 - 128	4	30
4-Chloro-3-methylphenol	0.0212	U	0.468	0.3948		mg/Kg	☼	84	26 - 132	3	30
2-Chlorophenol	0.00268	U	0.468	0.3604		mg/Kg	☼	77	21 - 130	18	30
2-Methylphenol	0.00439	U	0.468	0.3607		mg/Kg	☼	77	26 - 125	16	30
3 & 4 Methylphenol	0.00380	U	0.468	0.3580		mg/Kg	☼	77	30 - 130	11	30
2,4-Dichlorophenol	0.00526	U	0.468	0.3680		mg/Kg	☼	79	35 - 121	11	30
2,4-Dimethylphenol	0.0117	U	0.468	0.3732		mg/Kg	☼	80	29 - 122	11	30
4,6-Dinitro-2-methylphenol	0.00677	U	0.468	0.4345		mg/Kg	☼	93	10 - 104	5	30
2,4-Dinitrophenol	0.00642	U	0.468	0.2758		mg/Kg	☼	59	10 - 121	2	30
2-Nitrophenol	0.00529	U	0.468	0.3209		mg/Kg	☼	69	30 - 130	22	30
4-Nitrophenol	0.00691	U	0.468	0.3856		mg/Kg	☼	82	25 - 122	1	30
Pentachlorophenol	0.00544	U	0.468	0.4240		mg/Kg	☼	91	25 - 124	3	30
Phenol	0.00577	U	0.468	0.3762		mg/Kg	☼	80	31 - 121	18	30
2,4,5-Trichlorophenol	0.0136	U	0.468	0.4318		mg/Kg	☼	92	30 - 130	9	30
2,4,6-Trichlorophenol	0.00365	U	0.468	0.3914		mg/Kg	☼	84	30 - 130	7	30
2,6-Dinitrotoluene	0.00401	U	0.468	0.3611		mg/Kg	☼	77	30 - 124	1	30
bis (2-Chloroisopropyl) ether	0.0120	U	0.468	0.3508		mg/Kg	☼	75	50 - 130	20	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*83*		*43 - 125*
Terphenyl-d14	*95*		*56 - 123*
Nitrobenzene-d5	*82*		*34 - 118*
2-Fluorophenol	*82*		*41 - 122*
2-Fluorobiphenyl	*94*		*51 - 120*
2,4,6-Tribromophenol	*99*		*34 - 122*

Lab Sample ID: MB 600-104246/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104475 — **Prep Batch: 104246**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00144	U	0.0167	0.00144	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Acenaphthylene	0.00100	U	0.0167	0.00100	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Anthracene	0.00128	U	0.0167	0.00128	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzidine	0.00902	U	0.0833	0.00902	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzo[a]anthracene	0.00138	U	0.0167	0.00138	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzo[b]fluoranthene	0.00172	U	0.0167	0.00172	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzo[k]fluoranthene	0.00149	U	0.0167	0.00149	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzo[g,h,i]perylene	0.00507	U	0.0167	0.00507	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzo[a]pyrene	0.00161	U	0.0167	0.00161	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Bis(2-chloroethoxy)methane	0.00142	U	0.0167	0.00142	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Bis(2-chloroethyl)ether	0.00165	U	0.0167	0.00165	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Bis(2-ethylhexyl) phthalate	0.00537	U	0.0667	0.00537	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Bromophenyl phenyl ether	0.00284	U	0.0167	0.00284	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Butyl benzyl phthalate	0.00619	U	0.0667	0.00619	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Chloroaniline	0.00582	U	0.0167	0.00582	mg/Kg		04/18/13 11:48	04/19/13 16:23	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-104246/1-A
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104246

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.00121	U	0.0167	0.00121	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Chlorophenyl phenyl ether	0.00180	U	0.0167	0.00180	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Carbazole	0.00312	U	0.0167	0.00312	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Chrysene	0.00102	U	0.0167	0.00102	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Di-n-butyl phthalate	0.00259	U	0.0667	0.00259	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Dibenz(a,h)anthracene	0.00363	U	0.0167	0.00363	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Dibenzofuran	0.00178	U	0.0167	0.00178	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
1,2-Dichlorobenzene	0.00302	U	0.0167	0.00302	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
1,3-Dichlorobenzene	0.00154	U	0.0167	0.00154	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
1,4-Dichlorobenzene	0.00225	U	0.0167	0.00225	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
3,3'-Dichlorobenzidine	0.0102	U	0.0167	0.0102	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Diethyl phthalate	0.00843	U	0.0667	0.00843	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Dimethyl phthalate	0.00489	U	0.0667	0.00489	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,4-Dinitrotoluene	0.00361	U	0.0167	0.00361	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Di-n-octyl phthalate	0.00190	U	0.0667	0.00190	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Fluoranthene	0.00311	U	0.0167	0.00311	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Fluorene	0.00236	U	0.0167	0.00236	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Hexachlorobenzene	0.00152	U	0.0167	0.00152	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Hexachlorocyclopentadiene	0.00461	U	0.0167	0.00461	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Hexachloroethane	0.00231	U	0.0167	0.00231	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Hexachlorobutadiene	0.00192	U	0.0167	0.00192	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Indeno[1,2,3-cd]pyrene	0.00350	U	0.0167	0.00350	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Isophorone	0.00100	U	0.0167	0.00100	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2-Methylnaphthalene	0.00274	U	0.0167	0.00274	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Naphthalene	0.00135	U	0.0167	0.00135	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2-Nitroaniline	0.00489	U	0.0167	0.00489	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
3-Nitroaniline	0.00715	U	0.0167	0.00715	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Nitroaniline	0.0112	U	0.0167	0.0112	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Nitrobenzene	0.00296	U	0.0167	0.00296	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
N-Nitrosodimethylamine	0.00419	U	0.0167	0.00419	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
N-Nitrosodiphenylamine	0.00189	U	0.0167	0.00189	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
N-Nitrosodi-n-propylamine	0.00222	U	0.0167	0.00222	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Phenanthrene	0.00495	U	0.0167	0.00495	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Pyrene	0.00183	U	0.0167	0.00183	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
1,2,4-Trichlorobenzene	0.00210	U	0.0167	0.00210	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Benzyl alcohol	0.00583	U	0.0167	0.00583	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Chloro-3-methylphenol	0.0156	U	0.0167	0.0156	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2-Chlorophenol	0.00197	U	0.0167	0.00197	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2-Methylphenol	0.00323	U	0.0167	0.00323	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
3 & 4 Methylphenol	0.00279	U	0.0333	0.00279	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,4-Dichlorophenol	0.00387	U	0.0167	0.00387	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,4-Dimethylphenol	0.00858	U	0.0167	0.00858	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4,6-Dinitro-2-methylphenol	0.00498	U	0.0167	0.00498	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,4-Dinitrophenol	0.00472	U	0.100	0.00472	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2-Nitrophenol	0.00389	U	0.0167	0.00389	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
4-Nitrophenol	0.00508	U	0.0167	0.00508	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Pentachlorophenol	0.00400	U	0.167	0.00400	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
Phenol	0.00424	U	0.0167	0.00424	mg/Kg		04/18/13 11:48	04/19/13 16:23	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-104246/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104475 — **Prep Batch: 104246**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	0.0100	U	0.0167	0.0100	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,4,6-Trichlorophenol	0.00268	U	0.0167	0.00268	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
2,6-Dinitrotoluene	0.00295	U	0.0167	0.00295	mg/Kg		04/18/13 11:48	04/19/13 16:23	1
bis (2-Chloroisopropyl) ether	0.00884	U	0.0167	0.00884	mg/Kg		04/18/13 11:48	04/19/13 16:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Phenol-d6	*78*		*43 - 125*	*04/18/13 11:48*	*04/19/13 16:23*	*1*
Terphenyl-d14	*82*		*56 - 123*	*04/18/13 11:48*	*04/19/13 16:23*	*1*
Nitrobenzene-d5	*79*		*34 - 118*	*04/18/13 11:48*	*04/19/13 16:23*	*1*
2-Fluorophenol	*80*		*41 - 122*	*04/18/13 11:48*	*04/19/13 16:23*	*1*
2-Fluorobiphenyl	*90*		*51 - 120*	*04/18/13 11:48*	*04/19/13 16:23*	*1*
2,4,6-Tribromophenol	*73*		*34 - 122*	*04/18/13 11:48*	*04/19/13 16:23*	*1*

Lab Sample ID: LCS 600-104246/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104475 — **Prep Batch: 104246**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.333	0.2628		mg/Kg		79	58 - 125
Acenaphthylene	0.333	0.2729		mg/Kg		82	51 - 122
Anthracene	0.333	0.2490		mg/Kg		75	52 - 120
Benzidine	6.67	2.675		mg/Kg		40	10 - 135
Benzo[a]anthracene	0.333	0.2882		mg/Kg		86	49 - 124
Benzo[b]fluoranthene	0.333	0.2606		mg/Kg		78	58 - 130
Benzo[k]fluoranthene	0.333	0.2914		mg/Kg		87	56 - 129
Benzo[g,h,i]perylene	0.333	0.2668		mg/Kg		80	50 - 140
Benzo[a]pyrene	0.333	0.2556		mg/Kg		77	58 - 123
Bis(2-chloroethoxy)methane	0.333	0.2349		mg/Kg		70	54 - 114
Bis(2-chloroethyl)ether	0.333	0.2000		mg/Kg		60	44 - 119
Bis(2-ethylhexyl) phthalate	0.333	0.2616		mg/Kg		78	55 - 136
4-Bromophenyl phenyl ether	0.333	0.2516		mg/Kg		75	56 - 126
Butyl benzyl phthalate	0.333	0.2598		mg/Kg		78	43 - 135
4-Chloroaniline	0.333	0.3466		mg/Kg		104	42 - 122
2-Chloronaphthalene	0.333	0.2306		mg/Kg		69	50 - 123
4-Chlorophenyl phenyl ether	0.333	0.2638		mg/Kg		79	57 - 126
Carbazole	0.333	0.3429		mg/Kg		103	47 - 153
Chrysene	0.333	0.2863		mg/Kg		86	50 - 123
Di-n-butyl phthalate	0.333	0.2640		mg/Kg		79	61 - 124
Dibenz(a,h)anthracene	0.333	0.2728		mg/Kg		82	55 - 141
Dibenzofuran	0.333	0.2671		mg/Kg		80	54 - 119
1,2-Dichlorobenzene	0.333	0.2299		mg/Kg		69	57 - 117
1,3-Dichlorobenzene	0.333	0.2336		mg/Kg		70	50 - 128
1,4-Dichlorobenzene	0.333	0.2319		mg/Kg		70	59 - 117
3,3'-Dichlorobenzidine	0.333	0.1969		mg/Kg		59	18 - 172
Diethyl phthalate	0.333	0.2626		mg/Kg		79	55 - 126
Dimethyl phthalate	0.333	0.2494		mg/Kg		75	58 - 126
2,4-Dinitrotoluene	0.333	0.2692		mg/Kg		81	53 - 123
Di-n-octyl phthalate	0.333	0.2659		mg/Kg		80	45 - 135

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-104246/2-A
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.333	0.2956		mg/Kg		89	56 - 123
Fluorene	0.333	0.2696		mg/Kg		81	52 - 147
Hexachlorobenzene	0.333	0.2844		mg/Kg		85	59 - 122
Hexachlorocyclopentadiene	0.333	0.2356		mg/Kg		71	33 - 119
Hexachloroethane	0.333	0.2282		mg/Kg		68	36 - 116
Hexachlorobutadiene	0.333	0.2319		mg/Kg		70	49 - 123
Indeno[1,2,3-cd]pyrene	0.333	0.2703		mg/Kg		81	40 - 147
Isophorone	0.333	0.2205		mg/Kg		66	49 - 115
2-Methylnaphthalene	0.333	0.2398		mg/Kg		72	54 - 130
Naphthalene	0.333	0.2576		mg/Kg		77	52 - 117
2-Nitroaniline	0.333	0.2530		mg/Kg		76	49 - 149
3-Nitroaniline	0.333	0.4266		mg/Kg		128	45 - 133
4-Nitroaniline	0.333	0.3094		mg/Kg		93	48 - 138
Nitrobenzene	0.333	0.2247		mg/Kg		67	53 - 123
N-Nitrosodimethylamine	0.333	0.2642		mg/Kg		79	41 - 138
N-Nitrosodiphenylamine	0.333	0.2599		mg/Kg		78	47 - 127
N-Nitrosodi-n-propylamine	0.333	0.2372		mg/Kg		71	43 - 140
Phenanthrene	0.333	0.2937		mg/Kg		88	55 - 120
Pyrene	0.333	0.2578		mg/Kg		77	48 - 131
1,2,4-Trichlorobenzene	0.333	0.2305		mg/Kg		69	54 - 115
Benzyl alcohol	0.333	0.2424		mg/Kg		73	25 - 141
4-Chloro-3-methylphenol	0.333	0.2360		mg/Kg		71	54 - 119
2-Chlorophenol	0.333	0.2368		mg/Kg		71	54 - 119
2-Methylphenol	0.333	0.2367		mg/Kg		71	45 - 118
3 & 4 Methylphenol	0.333	0.2337		mg/Kg		70	44 - 126
2,4-Dichlorophenol	0.333	0.2293		mg/Kg		69	54 - 119
2,4-Dimethylphenol	0.333	0.2280		mg/Kg		68	36 - 124
4,6-Dinitro-2-methylphenol	0.333	0.2667		mg/Kg		80	34 - 124
2,4-Dinitrophenol	0.333	0.2618		mg/Kg		79	25 - 117
2-Nitrophenol	0.333	0.2376		mg/Kg		71	50 - 112
4-Nitrophenol	0.333	0.2352		mg/Kg		71	20 - 132
Pentachlorophenol	0.333	0.2638		mg/Kg		79	17 - 124
Phenol	0.333	0.2420		mg/Kg		73	33 - 122
2,4,5-Trichlorophenol	0.333	0.2354		mg/Kg		71	59 - 136
2,4,6-Trichlorophenol	0.333	0.2282		mg/Kg		68	59 - 134
2,6-Dinitrotoluene	0.333	0.2472		mg/Kg		74	53 - 116
bis (2-Chloroisopropyl) ether	0.333	0.2273		mg/Kg		68	51 - 115

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Phenol-d6	*76*		*43 - 125*
Terphenyl-d14	*86*		*56 - 123*
Nitrobenzene-d5	*75*		*34 - 118*
2-Fluorophenol	*78*		*41 - 122*
2-Fluorobiphenyl	*84*		*51 - 120*
2,4,6-Tribromophenol	*92*		*34 - 122*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-28 MS
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: CF-1
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0175	U	0.405	0.3419		mg/Kg	☼	84	25 - 134
Acenaphthylene	0.0121	U	0.405	0.3403		mg/Kg	☼	84	32 - 137
Anthracene	0.0155	U	0.405	0.4423		mg/Kg	☼	109	35 - 115
Benzidine	0.109	U	8.10	0.110	U	mg/Kg	☼	0	0 - 150
Benzo[a]anthracene	0.0167	U	0.405	0.3944		mg/Kg	☼	97	38 - 128
Benzo[b]fluoranthene	0.0209	U	0.405	0.4255		mg/Kg	☼	105	40 - 131
Benzo[k]fluoranthene	0.0181	U	0.405	0.4616		mg/Kg	☼	114	33 - 137
Benzo[g,h,i]perylene	0.0615	U	0.405	0.3236		mg/Kg	☼	80	34 - 110
Benzo[a]pyrene	0.0195	U	0.405	0.4423		mg/Kg	☼	109	30 - 130
Bis(2-chloroethoxy)methane	0.0172	U	0.405	0.3021		mg/Kg	☼	75	33 - 119
Bis(2-chloroethyl)ether	0.0200	U	0.405	0.1990	J	mg/Kg	☼	49	28 - 120
Bis(2-ethylhexyl) phthalate	0.0652	U	0.405	0.4879	J	mg/Kg	☼	120	44 - 139
4-Bromophenyl phenyl ether	0.0345	U	0.405	0.4362		mg/Kg	☼	108	41 - 123
Butyl benzyl phthalate	0.0751	U	0.405	0.4491	J	mg/Kg	☼	111	41 - 139
4-Chloroaniline	0.0706	U	0.405	0.3617		mg/Kg	☼	89	15 - 112
2-Chloronaphthalene	0.0147	U	0.405	0.3602		mg/Kg	☼	89	34 - 126
4-Chlorophenyl phenyl ether	0.0218	U	0.405	0.3781		mg/Kg	☼	93	32 - 132
Carbazole	0.0379	U	0.405	0.4384		mg/Kg	☼	108	7 - 163
Chrysene	0.0124	U	0.405	0.3861		mg/Kg	☼	95	36 - 130
Di-n-butyl phthalate	0.0314	U	0.405	0.4422	J	mg/Kg	☼	109	41 - 126
Dibenz(a,h)anthracene	0.0440	U	0.405	0.3776		mg/Kg	☼	93	19 - 125
Dibenzofuran	0.0216	U	0.405	0.2912		mg/Kg	☼	72	35 - 125
1,2-Dichlorobenzene	0.0366	U	0.405	0.2461		mg/Kg	☼	61	30 - 130
1,3-Dichlorobenzene	0.0187	U	0.405	0.2298		mg/Kg	☼	57	30 - 130
1,4-Dichlorobenzene	0.0273	U	0.405	0.2270		mg/Kg	☼	56	30 - 130
3,3'-Dichlorobenzidine	0.123	U	0.405	0.123	U N	mg/Kg	☼	0	14 - 132
Diethyl phthalate	0.102	U	0.405	0.4201	J	mg/Kg	☼	104	41 - 129
Dimethyl phthalate	0.0593	U	0.405	0.4019	J	mg/Kg	☼	99	40 - 130
2,4-Dinitrotoluene	0.0438	U	0.405	0.2867		mg/Kg	☼	71	10 - 129
Di-n-octyl phthalate	0.0231	U	0.405	0.4748	J	mg/Kg	☼	117	36 - 152
Fluoranthene	0.0377	U	0.405	0.4121		mg/Kg	☼	102	37 - 132
Fluorene	0.0286	U	0.405	0.3374		mg/Kg	☼	83	36 - 122
Hexachlorobenzene	0.0184	U	0.405	0.4120		mg/Kg	☼	102	40 - 123
Hexachlorocyclopentadiene	0.0559	U	0.405	0.0560	U N	mg/Kg	☼	0	10 - 118
Hexachloroethane	0.0280	U	0.405	0.2072		mg/Kg	☼	51	31 - 113
Hexachlorobutadiene	0.0233	U	0.405	0.3535		mg/Kg	☼	87	32 - 124
Indeno[1,2,3-cd]pyrene	0.0425	U	0.405	0.3485		mg/Kg	☼	86	30 - 112
Isophorone	0.0121	U	0.405	0.3336		mg/Kg	☼	82	33 - 125
2-Methylnaphthalene	0.0332	U	0.405	0.2188		mg/Kg	☼	54	32 - 136
Naphthalene	0.0164	U	0.405	0.2179		mg/Kg	☼	54	30 - 112
2-Nitroaniline	0.0593	U	0.405	0.2331		mg/Kg	☼	58	38 - 130
3-Nitroaniline	0.0868	U	0.405	0.0869	U N	mg/Kg	☼	0	22 - 124
4-Nitroaniline	0.135	U	0.405	0.1356	J	mg/Kg	☼	33	21 - 122
Nitrobenzene	0.0359	U	0.405	0.2527		mg/Kg	☼	62	29 - 118
N-Nitrosodimethylamine	0.0508	U	0.405	0.1621	J	mg/Kg	☼	40	30 - 130
N-Nitrosodiphenylamine	0.0229	U	0.405	0.3776		mg/Kg	☼	93	28 - 106
N-Nitrosodi-n-propylamine	0.0269	U	0.405	0.2731		mg/Kg	☼	67	34 - 115
Phenanthrene	0.0601	U	0.405	0.3826		mg/Kg	☼	94	26 - 126

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-28 MS
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: CF-1
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pyrene	0.0222	U	0.405	0.4541		mg/Kg	☼	112	28 - 138
1,2,4-Trichlorobenzene	0.0255	U	0.405	0.3097		mg/Kg	☼	76	38 - 107
Benzyl alcohol	0.0707	U	0.405	0.2425		mg/Kg	☼	60	27 - 128
4-Chloro-3-methylphenol	0.189	U	0.405	0.3002		mg/Kg	☼	74	26 - 132
2-Chlorophenol	0.0239	U	0.405	0.2420		mg/Kg	☼	60	21 - 130
2-Methylphenol	0.0392	U	0.405	0.2819		mg/Kg	☼	70	26 - 125
3 & 4 Methylphenol	0.0339	U	0.405	0.2721	J	mg/Kg	☼	67	30 - 130
2,4-Dichlorophenol	0.0470	U	0.405	0.3377		mg/Kg	☼	83	35 - 121
2,4-Dimethylphenol	0.104	U	0.405	0.3272		mg/Kg	☼	81	29 - 122
4,6-Dinitro-2-methylphenol	0.0604	U	0.405	0.4112		mg/Kg	☼	102	10 - 104
2,4-Dinitrophenol	0.0573	U	0.405	0.0574	U N	mg/Kg	☼	0	10 - 121
2-Nitrophenol	0.0472	U	0.405	0.2355		mg/Kg	☼	58	30 - 130
4-Nitrophenol	0.0616	U	0.405	0.4257		mg/Kg	☼	105	25 - 122
Pentachlorophenol	0.0485	U	0.405	0.4549	J	mg/Kg	☼	112	25 - 124
Phenol	0.0515	U	0.405	0.2236		mg/Kg	☼	55	31 - 121
2,4,5-Trichlorophenol	0.121	U	0.405	0.4352		mg/Kg	☼	107	30 - 130
2,4,6-Trichlorophenol	0.0325	U	0.405	0.3304		mg/Kg	☼	82	30 - 130
2,6-Dinitrotoluene	0.0358	U	0.405	0.3118		mg/Kg	☼	77	30 - 124
bis (2-Chloroisopropyl) ether	0.107	U	0.405	0.2537		mg/Kg	☼	63	50 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Phenol-d6	*73*		*43 - 125*
Terphenyl-d14	*108*		*56 - 123*
Nitrobenzene-d5	*70*		*34 - 118*
2-Fluorophenol	*63*		*41 - 122*
2-Fluorobiphenyl	*29*	*X*	*51 - 120*
2,4,6-Tribromophenol	*99*		*34 - 122*

Lab Sample ID: 600-71692-28 MSD
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: CF-1
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0175	U	0.404	0.3531		mg/Kg	☼	87	25 - 134	3	30
Acenaphthylene	0.0121	U	0.404	0.3695		mg/Kg	☼	91	32 - 137	8	30
Anthracene	0.0155	U	0.404	0.4226		mg/Kg	☼	105	35 - 115	5	30
Benzidine	0.109	U	8.08	0.109	U	mg/Kg	☼	0	0 - 150	NC	40
Benzo[a]anthracene	0.0167	U	0.404	0.3777		mg/Kg	☼	93	38 - 128	4	30
Benzo[b]fluoranthene	0.0209	U	0.404	0.4523		mg/Kg	☼	112	40 - 131	6	30
Benzo[k]fluoranthene	0.0181	U	0.404	0.4222		mg/Kg	☼	104	33 - 137	9	30
Benzo[g,h,i]perylene	0.0615	U	0.404	0.3505		mg/Kg	☼	87	34 - 110	8	30
Benzo[a]pyrene	0.0195	U	0.404	0.4249		mg/Kg	☼	105	30 - 130	4	30
Bis(2-chloroethoxy)methane	0.0172	U	0.404	0.2716		mg/Kg	☼	67	33 - 119	11	30
Bis(2-chloroethyl)ether	0.0200	U	0.404	0.1647	J	mg/Kg	☼	41	28 - 120	19	30
Bis(2-ethylhexyl) phthalate	0.0652	U	0.404	0.5006	J	mg/Kg	☼	124	44 - 139	3	30
4-Bromophenyl phenyl ether	0.0345	U	0.404	0.4359		mg/Kg	☼	108	41 - 123	0	30
Butyl benzyl phthalate	0.0751	U	0.404	0.4043	J	mg/Kg	☼	100	41 - 139	11	30
4-Chloroaniline	0.0706	U	0.404	0.4458		mg/Kg	☼	110	15 - 112	21	30

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-28 MSD
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: CF-1
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Chloronaphthalene	0.0147	U	0.404	0.3969		mg/Kg	☼	98	34 - 126	10	30
4-Chlorophenyl phenyl ether	0.0218	U	0.404	0.4115		mg/Kg	☼	102	32 - 132	8	30
Carbazole	0.0379	U	0.404	0.4226		mg/Kg	☼	105	7 - 163	4	30
Chrysene	0.0124	U	0.404	0.4594		mg/Kg	☼	114	36 - 130	17	30
Di-n-butyl phthalate	0.0314	U	0.404	0.4502	J	mg/Kg	☼	111	41 - 126	2	30
Dibenz(a,h)anthracene	0.0440	U	0.404	0.3797		mg/Kg	☼	94	19 - 125	1	30
Dibenzofuran	0.0216	U	0.404	0.3215		mg/Kg	☼	80	35 - 125	10	30
1,2-Dichlorobenzene	0.0366	U	0.404	0.1817	J	mg/Kg	☼	45	30 - 130	30	30
1,3-Dichlorobenzene	0.0187	U	0.404	0.1704	J	mg/Kg	☼	42	30 - 130	30	30
1,4-Dichlorobenzene	0.0273	U	0.404	0.1604	J N	mg/Kg	☼	40	30 - 130	34	30
3,3'-Dichlorobenzidine	0.123	U	0.404	0.123	U N	mg/Kg	☼	0	14 - 132	NC	30
Diethyl phthalate	0.102	U	0.404	0.4488	J	mg/Kg	☼	111	41 - 129	7	30
Dimethyl phthalate	0.0593	U	0.404	0.4050	J	mg/Kg	☼	100	40 - 130	1	30
2,4-Dinitrotoluene	0.0438	U	0.404	0.3108		mg/Kg	☼	77	10 - 129	8	30
Di-n-octyl phthalate	0.0231	U	0.404	0.4793	J	mg/Kg	☼	119	36 - 152	1	30
Fluoranthene	0.0377	U	0.404	0.4164		mg/Kg	☼	103	37 - 132	1	30
Fluorene	0.0286	U	0.404	0.3803		mg/Kg	☼	94	36 - 122	12	30
Hexachlorobenzene	0.0184	U	0.404	0.3948		mg/Kg	☼	98	40 - 123	4	30
Hexachlorocyclopentadiene	0.0559	U	0.404	0.0559	U N	mg/Kg	☼	0	10 - 118	NC	30
Hexachloroethane	0.0280	U	0.404	0.1497	J N	mg/Kg	☼	37	31 - 113	32	30
Hexachlorobutadiene	0.0233	U	0.404	0.3045		mg/Kg	☼	75	32 - 124	15	30
Indeno[1,2,3-cd]pyrene	0.0425	U	0.404	0.3899		mg/Kg	☼	96	30 - 112	11	30
Isophorone	0.0121	U	0.404	0.3062		mg/Kg	☼	76	33 - 125	9	30
2-Methylnaphthalene	0.0332	U	0.404	0.2233		mg/Kg	☼	55	32 - 136	2	30
Naphthalene	0.0164	U	0.404	0.2125		mg/Kg	☼	53	30 - 112	3	30
2-Nitroaniline	0.0593	U	0.404	0.2425		mg/Kg	☼	60	38 - 130	4	30
3-Nitroaniline	0.0868	U	0.404	0.0867	U N	mg/Kg	☼	0	22 - 124	NC	30
4-Nitroaniline	0.135	U	0.404	0.2296	N	mg/Kg	☼	57	21 - 122	52	30
Nitrobenzene	0.0359	U	0.404	0.1803	J N	mg/Kg	☼	45	29 - 118	33	30
N-Nitrosodimethylamine	0.0508	U	0.404	0.1006	J N	mg/Kg	☼	25	30 - 130	47	30
N-Nitrosodiphenylamine	0.0229	U	0.404	0.4470	N	mg/Kg	☼	111	28 - 106	17	30
N-Nitrosodi-n-propylamine	0.0269	U	0.404	0.2352		mg/Kg	☼	58	34 - 115	15	30
Phenanthrene	0.0601	U	0.404	0.3927		mg/Kg	☼	97	26 - 126	3	30
Pyrene	0.0222	U	0.404	0.4814		mg/Kg	☼	119	28 - 138	6	30
1,2,4-Trichlorobenzene	0.0255	U	0.404	0.2685		mg/Kg	☼	66	38 - 107	14	30
Benzyl alcohol	0.0707	U	0.404	0.2242		mg/Kg	☼	55	27 - 128	8	30
4-Chloro-3-methylphenol	0.189	U	0.404	0.3070		mg/Kg	☼	76	26 - 132	2	30
2-Chlorophenol	0.0239	U	0.404	0.2159		mg/Kg	☼	53	21 - 130	11	30
2-Methylphenol	0.0392	U	0.404	0.2786		mg/Kg	☼	69	26 - 125	1	30
3 & 4 Methylphenol	0.0339	U	0.404	0.2660	J	mg/Kg	☼	66	30 - 130	2	30
2,4-Dichlorophenol	0.0470	U	0.404	0.2850		mg/Kg	☼	71	35 - 121	17	30
2,4-Dimethylphenol	0.104	U	0.404	0.3636		mg/Kg	☼	90	29 - 122	11	30
4,6-Dinitro-2-methylphenol	0.0604	U	0.404	0.4424	N	mg/Kg	☼	109	10 - 104	7	30
2,4-Dinitrophenol	0.0573	U	0.404	0.0572	U N	mg/Kg	☼	0	10 - 121	NC	30
2-Nitrophenol	0.0472	U	0.404	0.2325		mg/Kg	☼	58	30 - 130	1	30
4-Nitrophenol	0.0616	U	0.404	0.5170	N	mg/Kg	☼	128	25 - 122	19	30
Pentachlorophenol	0.0485	U	0.404	0.4599	J	mg/Kg	☼	114	25 - 124	1	30
Phenol	0.0515	U	0.404	0.2658		mg/Kg	☼	66	31 - 121	17	30

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-71692-28 MSD
Matrix: Solid
Analysis Batch: 104475

Client Sample ID: CF-1
Prep Type: Total/NA
Prep Batch: 104246

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4,5-Trichlorophenol	0.121	U	0.404	0.3332		mg/Kg	☼	82	30 - 130	27	30
2,4,6-Trichlorophenol	0.0325	U	0.404	0.3687		mg/Kg	☼	91	30 - 130	11	30
2,6-Dinitrotoluene	0.0358	U	0.404	0.3424		mg/Kg	☼	85	30 - 124	9	30
bis (2-Chloroisopropyl) ether	0.107	U	0.404	0.2013	J	mg/Kg	☼	50	50 - 130	23	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Phenol-d6	*62*		*43 - 125*
Terphenyl-d14	*119*		*56 - 123*
Nitrobenzene-d5	*57*		*34 - 118*
2-Fluorophenol	*51*		*41 - 122*
2-Fluorobiphenyl	*47*	*X*	*51 - 120*
2,4,6-Tribromophenol	*101*		*34 - 122*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 600-104262/1-A
Matrix: Solid
Analysis Batch: 104388

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104262

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.00162	U	0.00330	0.00162	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
4,4'-DDE	0.00145	U	0.00330	0.00145	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
4,4'-DDT	0.00185	U	0.00330	0.00185	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Aldrin	0.00131	U	0.00170	0.00131	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
alpha-BHC	0.000999	U	0.00170	0.000999	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
alpha-Chlordane	0.00159	U	0.00330	0.00159	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
beta-BHC	0.00102	U	0.00170	0.00102	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Chlordane (technical)	0.00150	U	0.0330	0.00150	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
delta-BHC	0.000849	U	0.00170	0.000849	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Dieldrin	0.00139	U	0.00330	0.00139	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endosulfan I	0.000999	U	0.00170	0.000999	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endosulfan II	0.00151	U	0.00170	0.00151	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endosulfan sulfate	0.00168	U	0.00330	0.00168	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endrin	0.00153	U	0.00330	0.00153	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endrin aldehyde	0.00156	U	0.00330	0.00156	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Endrin ketone	0.00154	U	0.00330	0.00154	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
gamma-BHC (Lindane)	0.000929	U	0.00170	0.000929	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
gamma-Chlordane	0.00125	U	0.00330	0.00125	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Heptachlor	0.000929	U	0.00170	0.000929	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Heptachlor epoxide	0.00117	U	0.00170	0.00117	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Methoxychlor	0.00806	U	0.0170	0.00806	mg/Kg		04/18/13 13:27	04/18/13 21:54	1
Toxaphene	0.0730	U	0.170	0.0730	mg/Kg		04/18/13 13:27	04/18/13 21:54	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*47 - 177*	*04/18/13 13:27*	*04/18/13 21:54*	*1*
Tetrachloro-m-xylene	*93*		*50 - 143*	*04/18/13 13:27*	*04/18/13 21:54*	*1*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 600-104262/2-A
Matrix: Solid
Analysis Batch: 104388

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104262

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
4,4'-DDD			0.0166	0.01919		mg/Kg		115	42 - 168		
4,4'-DDE			0.0166	0.02080		mg/Kg		125	46 - 164		
4,4'-DDT			0.0166	0.01705		mg/Kg		102	46 - 181		
Aldrin			0.0166	0.02047		mg/Kg		123	42 - 161		
alpha-BHC			0.0166	0.02047		mg/Kg		123	63 - 125		
alpha-Chlordane			0.0166	0.02059		mg/Kg		124	40 - 164		
beta-BHC			0.0166	0.01968		mg/Kg		118	32 - 174		
delta-BHC			0.0166	0.02025		mg/Kg		122	33 - 173		
Dieldrin			0.0166	0.02014		mg/Kg		121	42 - 169		
Endosulfan I			0.0166	0.02060		mg/Kg		124	37 - 172		
Endosulfan II			0.0166	0.02025		mg/Kg		122	43 - 164		
Endosulfan sulfate			0.0166	0.02115		mg/Kg		127	32 - 189		
Endrin			0.0166	0.01828		mg/Kg		110	41 - 173		
Endrin aldehyde			0.0166	0.01997		mg/Kg		120	42 - 150		
Endrin ketone			0.0166	0.02034		mg/Kg		122	25 - 186		
gamma-BHC (Lindane)			0.0166	0.02066		mg/Kg		124	36 - 162		
gamma-Chlordane			0.0166	0.02064		mg/Kg		124	41 - 166		
Heptachlor			0.0166	0.02131		mg/Kg		128	35 - 170		
Heptachlor epoxide			0.0166	0.02092		mg/Kg		126	42 - 166		
Methoxychlor			0.0166	0.01753		mg/Kg		105	48 - 171		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*126*		*47 - 177*
Tetrachloro-m-xylene	*112*		*50 - 143*

Lab Sample ID: LCSD 600-104262/3-A
Matrix: Solid
Analysis Batch: 104388

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.0167	0.01876		mg/Kg		113	42 - 168	2	20
4,4'-DDE			0.0167	0.01993		mg/Kg		120	46 - 164	4	20
4,4'-DDT			0.0167	0.01587		mg/Kg		95	46 - 181	7	20
Aldrin			0.0167	0.01793		mg/Kg		108	42 - 161	13	20
alpha-BHC			0.0167	0.01652	*	mg/Kg		99	63 - 125	21	20
alpha-Chlordane			0.0167	0.01975		mg/Kg		119	40 - 164	4	20
beta-BHC			0.0167	0.01902		mg/Kg		114	32 - 174	3	20
delta-BHC			0.0167	0.01936		mg/Kg		116	33 - 173	5	20
Dieldrin			0.0167	0.01947		mg/Kg		117	42 - 169	3	20
Endosulfan I			0.0167	0.01964		mg/Kg		118	37 - 172	5	20
Endosulfan II			0.0167	0.01974		mg/Kg		119	43 - 164	3	20
Endosulfan sulfate			0.0167	0.02058		mg/Kg		124	32 - 189	3	20
Endrin			0.0167	0.01730		mg/Kg		104	41 - 173	5	20
Endrin aldehyde			0.0167	0.01928		mg/Kg		116	42 - 150	4	20
Endrin ketone			0.0167	0.01952		mg/Kg		117	25 - 186	4	20
gamma-BHC (Lindane)			0.0167	0.01815		mg/Kg		109	36 - 162	13	20
gamma-Chlordane			0.0167	0.01982		mg/Kg		119	41 - 166	4	20
Heptachlor			0.0167	0.01798		mg/Kg		108	35 - 170	17	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 600-104262/3-A
Matrix: Solid
Analysis Batch: 104388

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104262

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Heptachlor epoxide			0.0167	0.01979		mg/Kg		119	42 - 166	6	20
Methoxychlor			0.0167	0.01626	J	mg/Kg		98	48 - 171	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*121*		*47 - 177*
Tetrachloro-m-xylene	*80*		*50 - 143*

Method: 8151A - Herbicides (GC)

Lab Sample ID: MB 600-104280/1-A
Matrix: Solid
Analysis Batch: 104373

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104280

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4-D	0.000340	U	0.00400	0.000340	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Dalapon	0.0160	U	0.0200	0.0160	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
2,4-DB	0.000660	U	0.00400	0.000660	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Dicamba	0.000460	U	0.00400	0.000460	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Dichlorprop	0.000450	U	0.00400	0.000450	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Dinoseb	0.000320	U	0.00400	0.000320	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Mecoprop	0.0459	U	0.0400	0.0459	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
MCPA	0.0650	U	0.0400	0.0650	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
2,4,5-T	0.000440	U	0.00400	0.000440	mg/Kg		04/18/13 14:50	04/18/13 21:36	1
Silvex (2,4,5-TP)	0.000430	U	0.00400	0.000430	mg/Kg		04/18/13 14:50	04/18/13 21:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4-Dichlorophenylacetic acid	*82*		*22 - 130*	*04/18/13 14:50*	*04/18/13 21:36*	*1*

Lab Sample ID: LCS 600-104280/2-A
Matrix: Solid
Analysis Batch: 104373

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104280

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-D			0.0160	0.01104		mg/Kg		69	33 - 159
Dalapon			0.0160	0.0160	U	mg/Kg		66	25 - 172
2,4-DB			0.0160	0.01255		mg/Kg		79	39 - 157
Dicamba			0.0160	0.01087		mg/Kg		68	22 - 146
Dichlorprop			0.0160	0.01531		mg/Kg		96	22 - 179
Dinoseb			0.0160	0.01545		mg/Kg		97	12 - 122
Mecoprop			1.60	1.587		mg/Kg		99	26 - 143
MCPA			1.60	1.008		mg/Kg		63	12 - 158
2,4,5-T			0.0160	0.01152		mg/Kg		72	24 - 165
Silvex (2,4,5-TP)			0.0160	0.01340		mg/Kg		84	32 - 160

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*80*		*22 - 130*

Method: 8151A - Herbicides (GC) (Continued)

Lab Sample ID: LCSD 600-104280/3-A
Matrix: Solid
Analysis Batch: 104373

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 104280

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-D			0.0160	0.01142		mg/Kg		71	33 - 159	3	40
Dalapon			0.0160	0.0160	U	mg/Kg		58	25 - 172	12	40
2,4-DB			0.0160	0.01315		mg/Kg		82	39 - 157	5	40
Dicamba			0.0160	0.01066		mg/Kg		67	22 - 146	2	40
Dichlorprop			0.0160	0.01593		mg/Kg		100	22 - 179	4	40
Dinoseb			0.0160	0.01531		mg/Kg		96	12 - 122	1	40
Mecoprop			1.60	1.604		mg/Kg		100	26 - 143	1	40
MCPA			1.60	1.179		mg/Kg		74	12 - 158	16	40
2,4,5-T			0.0160	0.01173		mg/Kg		73	24 - 165	2	40
Silvex (2,4,5-TP)			0.0160	0.01310		mg/Kg		82	32 - 160	2	40

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4-Dichlorophenylacetic acid	*83*		*22 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-104188/1-A
Matrix: Solid
Analysis Batch: 104277

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104188

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		04/17/13 15:21	04/18/13 20:34	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg		04/17/13 15:21	04/18/13 20:34	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		04/17/13 15:21	04/18/13 20:34	1
C6-C35	7.48	U	10.0	7.48	mg/Kg		04/17/13 15:21	04/18/13 20:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*106*		*70 - 130*	*04/17/13 15:21*	*04/18/13 20:34*	*1*

Lab Sample ID: LCS 600-104188/2-A
Matrix: Solid
Analysis Batch: 104277

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104188

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12			250	273.4		mg/Kg		109	75 - 125
>C12-C28			250	302.6		mg/Kg		121	75 - 125
C6-C35			500	576.0		mg/Kg		115	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104277

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	5.15	U	346	380.5		mg/Kg	☼	110	75 - 125

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104277

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104188

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
>C12-C28	5.50	U	346	414.1		mg/Kg	☼	120	75 - 125
C6-C35	10.1	U	692	794.6		mg/Kg	☼	115	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*129*		*70 - 130*

Lab Sample ID: 600-71692-4 MSD
Matrix: Solid
Analysis Batch: 104277

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104188

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	5.15	U	351	383.6		mg/Kg	☼	109	75 - 125	1	20
>C12-C28	5.50	U	351	415.3		mg/Kg	☼	118	75 - 125	0	20
C6-C35	10.1	U	701	798.9		mg/Kg	☼	114	75 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*121*		*70 - 130*

Lab Sample ID: MB 600-104215/1-A
Matrix: Solid
Analysis Batch: 104275

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104215

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	3.80	U	10.0	3.80	mg/Kg		04/18/13 08:11	04/18/13 11:31	1
>C12-C28	4.06	U	10.0	4.06	mg/Kg		04/18/13 08:11	04/18/13 11:31	1
>C28-C35	4.06	U	10.0	4.06	mg/Kg		04/18/13 08:11	04/18/13 11:31	1
C6-C35	7.48	U	10.0	7.48	mg/Kg		04/18/13 08:11	04/18/13 11:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*04/18/13 08:11*	*04/18/13 11:31*	*1*

Lab Sample ID: LCS 600-104215/2-A
Matrix: Solid
Analysis Batch: 104275

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104215

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	250	197.8		mg/Kg		79	75 - 125
>C12-C28	250	224.7		mg/Kg		90	75 - 125
C6-C35	500	422.6		mg/Kg		85	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*100*		*70 - 130*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: 600-71692-33 MS
Matrix: Solid
Analysis Batch: 104275

Client Sample ID: Cistern
Prep Type: Total/NA
Prep Batch: 104215

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	4.56	U	299	293.8		mg/Kg	☼	98	75 - 125
>C12-C28	4.88	U	299	350.5		mg/Kg	☼	117	75 - 125
C6-C35	8.98	U	598	644.3		mg/Kg	☼	108	75 - 125

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*127*		*70 - 130*

Lab Sample ID: 600-71692-33 MSD
Matrix: Solid
Analysis Batch: 104275

Client Sample ID: Cistern
Prep Type: Total/NA
Prep Batch: 104215

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	4.56	U	299	299.9		mg/Kg	☼	100	75 - 125	2	20
>C12-C28	4.88	U	299	367.7		mg/Kg	☼	123	75 - 125	5	20
C6-C35	8.98	U	598	667.6		mg/Kg	☼	112	75 - 125	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*108*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104189/1-A
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104189

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cd	0.0256	U	0.250	0.0256	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
Ba	0.03500	J	1.00	0.0300	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
Ag	0.119	U	0.500	0.119	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
As	0.218	U	1.00	0.218	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
Pb	0.105	U	0.500	0.105	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
Se	0.259	U	2.00	0.259	mg/Kg		04/17/13 15:26	04/18/13 12:52	1
Cr	0.0506	U	0.500	0.0506	mg/Kg		04/17/13 15:26	04/18/13 12:52	1

Lab Sample ID: LCSSRM 600-104189/2-A
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cd	103	97.66		mg/Kg		94.8	83.6 - 115.5
Ba	213	202.9		mg/Kg		95.3	83.1 - 116.9
Ag	42.3	39.42		mg/Kg		93.2	66.4 - 133.8
As	168	169.5		mg/Kg		100.9	83.3 - 117.3
Pb	76.9	71.15		mg/Kg		92.5	81.3 - 118.7

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 600-104189/2-A
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Se	126	117.1		mg/Kg		92.9	80.2 - 120.6
Cr	119	110.5		mg/Kg		92.9	81.6 - 117.6

Lab Sample ID: 600-71692-4 MS
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	89.0		69.4	138.2	N	mg/Kg	☼	71	75 - 125
Cr	11.4		69.4	73.47		mg/Kg	☼	90	75 - 125
Cd	0.280	J	34.7	36.93		mg/Kg	☼	106	75 - 125
Ba	167	b	69.4	199.8	N	mg/Kg	☼	48	75 - 125
As	17.9		69.4	85.54		mg/Kg	☼	98	75 - 125
Ag	0.172	J	34.7	36.22		mg/Kg	☼	104	75 - 125
Se	0.796	J	69.4	66.24		mg/Kg	☼	94	75 - 125

Lab Sample ID: 600-71692-4 MSD
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: TP-8 3'
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pb	89.0		66.3	150.9		mg/Kg	☼	93	75 - 125	9	20
Cr	11.4		66.3	72.20		mg/Kg	☼	92	75 - 125	2	20
Cd	0.280	J	33.1	34.79		mg/Kg	☼	104	75 - 125	6	20
Ba	167	b	66.3	228.2		mg/Kg	☼	93	75 - 125	13	20
As	17.9		66.3	83.86		mg/Kg	☼	100	75 - 125	2	20
Ag	0.172	J	33.1	34.61		mg/Kg	☼	104	75 - 125	5	20
Se	0.796	J	66.3	61.72		mg/Kg	☼	92	75 - 125	7	20

Lab Sample ID: 600-71692-11 MS
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: TP-6 2.5'
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cd	0.381		28.1	29.31		mg/Kg	☼	103	75 - 125
Ba	83.0	b	56.1	149.7		mg/Kg	☼	119	75 - 125
Ag	0.137	U	28.1	29.05		mg/Kg	☼	104	75 - 125
As	22.6		56.1	78.01		mg/Kg	☼	99	75 - 125
Pb	75.1		56.1	179.1	N	mg/Kg	☼	185	75 - 125
Se	0.514	J	56.1	50.24		mg/Kg	☼	89	75 - 125
Cr	14.7		56.1	66.73		mg/Kg	☼	93	75 - 125

Lab Sample ID: 600-71692-11 MSD
Matrix: Solid
Analysis Batch: 104239

Client Sample ID: TP-6 2.5'
Prep Type: Total/NA
Prep Batch: 104189

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cd	0.381		28.6	29.89		mg/Kg	☼	103	75 - 125	2	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-71692-11 MSD — **Client Sample ID: TP-6 2.5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104239 — **Prep Batch: 104189**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ba	83.0	b	57.2	154.0		mg/Kg	☼	124	75 - 125	3	20
Ag	0.137	U	28.6	29.88		mg/Kg	☼	104	75 - 125	3	20
As	22.6		57.2	81.99		mg/Kg	☼	104	75 - 125	5	20
Pb	75.1		57.2	193.8	N	mg/Kg	☼	208	75 - 125	8	20
Se	0.514	J	57.2	51.62		mg/Kg	☼	89	75 - 125	3	20
Cr	14.7		57.2	68.94		mg/Kg	☼	95	75 - 125	3	20

Lab Sample ID: 600-71692-4 DU — **Client Sample ID: TP-8 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104239 — **Prep Batch: 104189**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cd	0.280	J	0.3509		mg/Kg	☼	22	20
Ba	167	b	172.9		mg/Kg	☼	4	20
Ag	0.172	J	0.2024	J	mg/Kg	☼	16	20
As	17.9		16.67		mg/Kg	☼	7	20
Pb	89.0		113.0	F	mg/Kg	☼	24	20
Se	0.796	J	0.8974	J	mg/Kg	☼	12	20
Cr	11.4		12.04		mg/Kg	☼	6	20

Lab Sample ID: 600-71692-11 DU — **Client Sample ID: TP-6 2.5'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104239 — **Prep Batch: 104189**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cd	0.381		0.2833		mg/Kg	☼	29	20
Ba	83.0	b	100.0		mg/Kg	☼	19	20
Ag	0.137	U	0.135	U	mg/Kg	☼	NC	20
As	22.6		31.75	F	mg/Kg	☼	33	20
Pb	75.1		125.5	F	mg/Kg	☼	50	20
Se	0.514	J	0.3796	J	mg/Kg	☼	30	20
Cr	14.7		15.81		mg/Kg	☼	8	20

Lab Sample ID: MB 600-104278/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104344 — **Prep Batch: 104278**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Cd	0.0256	U	0.250	0.0256	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Ba	0.2570	J	1.00	0.0300	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Ag	0.119	U	0.500	0.119	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
As	0.218	U	1.00	0.218	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Pb	0.105	U	0.500	0.105	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Se	0.259	U	2.00	0.259	mg/Kg		04/18/13 14:41	04/19/13 09:32	1
Cr	0.0506	U	0.500	0.0506	mg/Kg		04/18/13 14:41	04/19/13 09:32	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 600-104278/2-A
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	94.43		mg/Kg		92	81 - 119
Cd	103	94.43		mg/Kg		92	81 - 119
Ba	213	207.8		mg/Kg		98	80 - 120
Ag	42.3	42.60		mg/Kg		101	66 - 134
As	168	167.9		mg/Kg		100	78 - 122
Lead	76.9	74.50		mg/Kg		97	79 - 121
Pb	76.9	74.50		mg/Kg		97	79 - 121
Se	126	122.7		mg/Kg		97	80 - 120
Cr	119	114.5		mg/Kg		96	81 - 119

Lab Sample ID: 600-71692-7 MS
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-7 1'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.411		27.7	18.54	N	mg/Kg	☼	66	75 - 125
Cd	0.411		27.7	18.54	N	mg/Kg	☼	66	75 - 125
Ba	70.1		55.3	227.5	N	mg/Kg	☼	284	75 - 125
Ag	0.123		27.7	23.25		mg/Kg	☼	84	75 - 125
As	11.9		55.3	59.15		mg/Kg	☼	85	75 - 125
Lead	1010		55.3	823.3	4	mg/Kg	☼	-336	75 - 125
Pb	1010		55.3	823.3	4	mg/Kg	☼	-336	75 - 125
Se	0.268		55.3	38.23	N	mg/Kg	☼	69	75 - 125
Cr	14.0		55.3	62.43		mg/Kg	☼	87	75 - 125

Lab Sample ID: 600-71692-7 MSD
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-7 1'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.411		28.2	22.40		mg/Kg	☼	78	75 - 125	19	20
Cd	0.411		28.2	22.40		mg/Kg	☼	78	75 - 125	19	20
Ba	70.1		56.4	127.9	N	mg/Kg	☼	102	75 - 125	56	20
Ag	0.123		28.2	27.77		mg/Kg	☼	98	75 - 125	18	20
As	11.9		56.4	62.04		mg/Kg	☼	89	75 - 125	5	20
Lead	1010		56.4	1014	4 N	mg/Kg	☼	10	75 - 125	21	20
Pb	1010		56.4	1014	4 N	mg/Kg	☼	10	75 - 125	21	20
Se	0.268		56.4	48.92	N	mg/Kg	☼	87	75 - 125	25	20
Cr	14.0		56.4	63.49		mg/Kg	☼	88	75 - 125	2	20

Lab Sample ID: 600-71692-20 MS
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-3 0.5'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.265	J	32.8	24.13	N	mg/Kg	☼	73	75 - 125
Lead	43.4		65.6	89.41	N	mg/Kg	☼	70	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-71692-20 MSD
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-3 0.5'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.265	J	32.6	23.39	N	mg/Kg	☼	71	75 - 125	3	20
Lead	43.4		65.2	88.01	N	mg/Kg	☼	68	75 - 125	2	20

Lab Sample ID: 600-71692-7 DU
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-7 1'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.411		0.2843		mg/Kg	☼	36	20
Cd	0.411		0.2843		mg/Kg	☼	36	20
Ba	70.1		66.75		mg/Kg	☼	5	20
Ag	0.123		0.127	U	mg/Kg	☼	NC	20
As	11.9		12.01		mg/Kg	☼	0.7	20
Lead	1010		810.1	F	mg/Kg	☼	22	20
Pb	1010		810.1	F	mg/Kg	☼	22	20
Se	0.268		0.276	U	mg/Kg	☼	NC	20
Cr	14.0		13.62		mg/Kg	☼	3	20

Lab Sample ID: 600-71692-20 DU
Matrix: Solid
Analysis Batch: 104344

Client Sample ID: TP-3 0.5'
Prep Type: Total/NA
Prep Batch: 104278

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.265	J	0.2788	J	mg/Kg	☼	5	20
Cd	0.265		0.2788	J	mg/Kg	☼	5	20
Ba	104		91.98		mg/Kg	☼	12	20
Ag	0.154		0.154	U	mg/Kg	☼	NC	20
As	12.7		11.85		mg/Kg	☼	7	20
Lead	43.4		37.22		mg/Kg	☼	15	20
Pb	43.4		37.22		mg/Kg	☼	15	20
Se	0.337		0.337	U	mg/Kg	☼	NC	20
Cr	18.0		17.27		mg/Kg	☼	4	20

Lab Sample ID: MB 600-104293/1-A
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104293

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cd	0.0256	U	0.250	0.0256	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
Ba	0.1050	J	1.00	0.0300	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
Ag	0.119	U	0.500	0.119	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
As	0.218	U	1.00	0.218	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
Pb	0.105	U	0.500	0.105	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
Se	0.259	U	2.00	0.259	mg/Kg		04/18/13 16:28	04/19/13 16:09	1
Cr	0.0506	U	0.500	0.0506	mg/Kg		04/18/13 16:28	04/19/13 16:09	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 600-104293/24-A
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104293

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Barium	0.6050	J	1.00	0.0300	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Silver	0.119	U	0.400	0.119	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Arsenic	0.218	U	1.00	0.218	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Copper	0.174	U	0.500	0.174	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Tin	0.0873	U	1.00	0.0873	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Selenium	0.259	U	2.00	0.259	mg/Kg		04/18/13 16:28	04/19/13 16:31	1
Chromium	0.0506	U	0.500	0.0506	mg/Kg		04/18/13 16:28	04/19/13 16:31	1

Lab Sample ID: LCSSRM 600-104293/2-A
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104293

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	90.21		mg/Kg		87.6	83.6 - 115.5
Cd	103	90.21		mg/Kg		87.6	83.6 - 115.5
Ba	213	181.2		mg/Kg		85.1	83.1 - 116.9
Barium	213	181.2		mg/Kg		85.1	83.1 - 116.9
Ag	42.3	38.89		mg/Kg		91.9	66.4 - 133.8
Silver	42.3	38.89		mg/Kg		91.9	66.4 - 133.8
Arsenic	168	150.1		mg/Kg		89.3	83.3 - 117.3
As	168	150.1		mg/Kg		89.3	83.3 - 117.3
Lead	76.9	69.35		mg/Kg		90.2	81.3 - 118.7
Pb	76.9	69.35		mg/Kg		90.2	81.3 - 118.7
Se	126	109.6		mg/Kg		87.0	80.2 - 120.6
Selenium	126	109.6		mg/Kg		87.0	80.2 - 120.6
Chromium	119	103.4		mg/Kg		86.9	81.6 - 117.6
Cr	119	103.4		mg/Kg		86.9	81.6 - 117.6

Lab Sample ID: 600-71692-27 MS
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: TP-13 1'
Prep Type: Total/NA
Prep Batch: 104293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.228		25.4	26.48		mg/Kg	☼	103	75 - 125
Cd	0.228	J	25.4	26.48		mg/Kg	☼	103	75 - 125
Ba	49.9	b	50.8	96.30		mg/Kg	☼	91	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-71692-27 MS
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: TP-13 1'
Prep Type: Total/NA
Prep Batch: 104293

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	49.9		50.8	96.30		mg/Kg	☼	91	75 - 125
Ag	0.129	U	25.4	27.56		mg/Kg	☼	109	75 - 125
Silver	0.129		25.4	27.56		mg/Kg	☼	109	75 - 125
Arsenic	3.98		50.8	52.52		mg/Kg	☼	96	75 - 125
As	3.98		50.8	52.52		mg/Kg	☼	96	75 - 125
Lead	22.0		50.8	72.48		mg/Kg	☼	99	75 - 125
Pb	22.0		50.8	72.48		mg/Kg	☼	99	75 - 125
Se	0.281	U	50.8	45.75		mg/Kg	☼	90	75 - 125
Selenium	0.281		50.8	45.75		mg/Kg	☼	90	75 - 125
Chromium	7.41		50.8	51.30		mg/Kg	☼	86	75 - 125
Cr	7.41		50.8	51.30		mg/Kg	☼	86	75 - 125

Lab Sample ID: 600-71692-27 MSD
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: TP-13 1'
Prep Type: Total/NA
Prep Batch: 104293

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.228		27.4	28.72		mg/Kg	☼	104	75 - 125	8	20
Cd	0.228	J	27.4	28.72		mg/Kg	☼	104	75 - 125	8	20
Ba	49.9	b	54.8	109.3		mg/Kg	☼	108	75 - 125	13	20
Barium	49.9		54.8	109.3		mg/Kg	☼	108	75 - 125	13	20
Ag	0.129	U	27.4	30.29		mg/Kg	☼	111	75 - 125	9	20
Silver	0.129		27.4	30.29		mg/Kg	☼	111	75 - 125	9	20
Arsenic	3.98		54.8	56.24		mg/Kg	☼	95	75 - 125	7	20
As	3.98		54.8	56.24		mg/Kg	☼	95	75 - 125	7	20
Lead	22.0		54.8	80.08		mg/Kg	☼	106	75 - 125	10	20
Pb	22.0		54.8	80.08		mg/Kg	☼	106	75 - 125	10	20
Se	0.281	U	54.8	49.87		mg/Kg	☼	91	75 - 125	9	20
Selenium	0.281		54.8	49.87		mg/Kg	☼	91	75 - 125	9	20
Chromium	7.41		54.8	56.29		mg/Kg	☼	89	75 - 125	9	20
Cr	7.41		54.8	56.29		mg/Kg	☼	89	75 - 125	9	20

Lab Sample ID: 600-71692-27 DU
Matrix: Solid
Analysis Batch: 104394

Client Sample ID: TP-13 1'
Prep Type: Total/NA
Prep Batch: 104293

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.228		0.2576	J	mg/Kg	☼	12	20
Cd	0.228	J	0.2576	J	mg/Kg	☼	12	20
Ba	49.9	b	61.33	F	mg/Kg	☼	21	20
Barium	49.9		61.33	F	mg/Kg	☼	21	20
Ag	0.129	U	0.130	U	mg/Kg	☼	NC	20
Silver	0.129		0.130	U	mg/Kg	☼	NC	20
Arsenic	3.98		4.708		mg/Kg	☼	17	20
As	3.98		4.708		mg/Kg	☼	17	20
Lead	22.0		23.55		mg/Kg	☼	7	20
Pb	22.0		23.55		mg/Kg	☼	7	20
Se	0.281	U	0.3892	J	mg/Kg	☼	NC	20
Selenium	0.281		0.3892	J	mg/Kg	☼	NC	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-71692-27 DU — **Client Sample ID: TP-13 1'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104394 — **Prep Batch: 104293**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Chromium	7.41		9.707	F	mg/Kg	☼	27	20
Cr	7.41		9.707	F	mg/Kg	☼	27	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 600-104161/7-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00336	U	0.0469	0.00336	mg/Kg		04/17/13 12:36	04/18/13 07:34	1

Lab Sample ID: LCSSRM 600-104161/8-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	25.3	25.53		mg/Kg		100.9	71.5 - 128.1

Lab Sample ID: 600-71692-4 MS — **Client Sample ID: TP-8 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0192	J	0.347	0.3398		mg/Kg	☼	92	75 - 125

Lab Sample ID: 600-71692-4 MSD — **Client Sample ID: TP-8 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0192	J	0.319	0.3272		mg/Kg	☼	96	75 - 125	4	20

Lab Sample ID: 600-71692-9 MS — **Client Sample ID: TP-7 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0243	J	0.365	0.3480		mg/Kg	☼	89	75 - 125

Lab Sample ID: 600-71692-9 DU — **Client Sample ID: TP-7 3'**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 104220 — **Prep Batch: 104161**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0243	J	0.02160	J	mg/Kg	☼	12	20

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 600-104163/7-A
Matrix: Solid
Analysis Batch: 104220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104163

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.006133	J	0.0469	0.00336	mg/Kg		04/17/13 13:00	04/18/13 08:35	1

Lab Sample ID: LCSSRM 600-104163/8-A
Matrix: Solid
Analysis Batch: 104220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104163

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	25.3	26.83		mg/Kg		106.0	71.5 - 128.1

Lab Sample ID: 600-71692-29 MS
Matrix: Solid
Analysis Batch: 104220

Client Sample ID: CF-1 Dup
Prep Type: Total/NA
Prep Batch: 104163

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0582	J b	0.291	0.3659		mg/Kg	☼	106	75 - 125

Lab Sample ID: 600-71692-29 DU
Matrix: Solid
Analysis Batch: 104220

Client Sample ID: CF-1 Dup
Prep Type: Total/NA
Prep Batch: 104163

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0582	J b	0.05842	J	mg/Kg	☼	0.3	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-71692-1 DU
Matrix: Solid
Analysis Batch: 104248

Client Sample ID: TP-9 1'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.0		9.5		%		5	20
Percent Solids	91		90		%		0.5	20

Lab Sample ID: 600-71692-11 DU
Matrix: Solid
Analysis Batch: 104248

Client Sample ID: TP-6 2.5'
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	15		14		%		7	20
Percent Solids	85		86		%		1	20

Lab Sample ID: 600-71692-31 DU
Matrix: Solid
Analysis Batch: 104248

Client Sample ID: CF-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	20		22		%		9	20
Percent Solids	80		78		%		2	20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	0.00500	0.000740	mg/Kg	8260B
1,1,1-Trichloroethane	0.00500	0.000980	mg/L	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000870	mg/Kg	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000800	mg/L	8260B
1,1,2-Trichloroethane	0.00500	0.000730	mg/Kg	8260B
1,1,2-Trichloroethane	0.00500	0.000530	mg/L	8260B
1,1-Dichloroethane	0.00500	0.000870	mg/Kg	8260B
1,1-Dichloroethane	0.00500	0.000500	mg/L	8260B
1,1-Dichloroethene	0.00500	0.00122	mg/Kg	8260B
1,1-Dichloroethene	0.00500	0.000760	mg/L	8260B
1,2-Dichloroethane	0.00500	0.000900	mg/Kg	8260B
1,2-Dichloroethane	0.00500	0.00101	mg/L	8260B
1,2-Dichloroethene, Total	0.0100	0.00190	mg/Kg	8260B
1,2-Dichloroethene, Total	0.0100	0.000840	mg/L	8260B
1,2-Dichloropropane	0.00500	0.000710	mg/Kg	8260B
1,2-Dichloropropane	0.00500	0.00141	mg/L	8260B
2-Butanone (MEK)	0.0100	0.00190	mg/Kg	8260B
2-Butanone (MEK)	0.0100	0.00157	mg/L	8260B
2-Hexanone	0.0100	0.00101	mg/Kg	8260B
2-Hexanone	0.0100	0.00142	mg/L	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00147	mg/Kg	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00111	mg/L	8260B
Acetone	0.0100	0.00166	mg/Kg	8260B
Acetone	0.0100	0.00227	mg/L	8260B
Benzene	0.00500	0.000630	mg/Kg	8260B
Benzene	0.00500	0.000560	mg/L	8260B
Bromodichloromethane	0.00500	0.000660	mg/Kg	8260B
Bromodichloromethane	0.00500	0.000760	mg/L	8260B
Bromoform	0.00500	0.00137	mg/Kg	8260B
Bromoform	0.00500	0.000770	mg/L	8260B
Bromomethane	0.0100	0.000830	mg/Kg	8260B
Bromomethane	0.0100	0.00215	mg/L	8260B
Carbon disulfide	0.0100	0.000550	mg/Kg	8260B
Carbon disulfide	0.00500	0.00170	mg/L	8260B
Carbon tetrachloride	0.00500	0.00113	mg/Kg	8260B
Carbon tetrachloride	0.00500	0.000920	mg/L	8260B
Chlorobenzene	0.00500	0.000960	mg/Kg	8260B
Chlorobenzene	0.00500	0.000820	mg/L	8260B
Chlorobromomethane	0.00500	0.00178	mg/Kg	8260B
Chlorobromomethane	0.00500	0.000810	mg/L	8260B
Chloroethane	0.0100	0.00140	mg/Kg	8260B
Chloroethane	0.0100	0.00173	mg/L	8260B
Chloroform	0.00500	0.000660	mg/Kg	8260B
Chloroform	0.00500	0.000820	mg/L	8260B
Chloromethane	0.0100	0.00166	mg/Kg	8260B
Chloromethane	0.0100	0.000850	mg/L	8260B
cis-1,2-Dichloroethene	0.00500	0.000830	mg/Kg	8260B
cis-1,2-Dichloroethene	0.00500	0.000560	mg/L	8260B
cis-1,3-Dichloropropene	0.00500	0.000540	mg/Kg	8260B
cis-1,3-Dichloropropene	0.00500	0.000970	mg/L	8260B
Dibromochloromethane	0.00500	0.000940	mg/Kg	8260B
Dibromochloromethane	0.00500	0.000920	mg/L	8260B

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	MQL	MDL	Units	Method
Ethylbenzene	0.00500	0.00102	mg/Kg	8260B
Ethylbenzene	0.00500	0.00129	mg/L	8260B
Methyl tert-butyl ether	0.00500	0.00183	mg/Kg	8260B
Methyl tert-butyl ether	0.00500	0.000440	mg/L	8260B
Methylene Chloride	0.0100	0.00219	mg/Kg	8260B
Methylene Chloride	0.0100	0.00143	mg/L	8260B
m-Xylene & p-Xylene	0.0100	0.00152	mg/Kg	8260B
m-Xylene & p-Xylene	0.0100	0.00126	mg/L	8260B
o-Xylene	0.00500	0.00113	mg/Kg	8260B
o-Xylene	0.00500	0.000930	mg/L	8260B
Styrene	0.00500	0.000710	mg/Kg	8260B
Styrene	0.00500	0.000560	mg/L	8260B
Tetrachloroethene	0.00500	0.000710	mg/Kg	8260B
Tetrachloroethene	0.00500	0.00124	mg/L	8260B
Toluene	0.00500	0.00138	mg/Kg	8260B
Toluene	0.00500	0.000550	mg/L	8260B
trans-1,2-Dichloroethene	0.00500	0.00114	mg/Kg	8260B
trans-1,2-Dichloroethene	0.00500	0.000880	mg/L	8260B
trans-1,3-Dichloropropene	0.00500	0.000580	mg/Kg	8260B
trans-1,3-Dichloropropene	0.00500	0.000590	mg/L	8260B
Trichloroethene	0.00500	0.00140	mg/Kg	8260B
Trichloroethene	0.00500	0.00158	mg/L	8260B
Vinyl acetate	0.00500	0.000930	mg/Kg	8260B
Vinyl acetate	0.0100	0.000600	mg/L	8260B
Vinyl chloride	0.0100	0.000900	mg/Kg	8260B
Vinyl chloride	0.00500	0.000850	mg/L	8260B
Xylenes, Total	0.00500	0.00113	mg/Kg	8260B
Xylenes, Total	0.00500	0.00198	mg/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	0.0167	0.00210	mg/Kg	8270C LL
1,2-Dichlorobenzene	0.0167	0.00302	mg/Kg	8270C LL
1,3-Dichlorobenzene	0.0167	0.00154	mg/Kg	8270C LL
1,4-Dichlorobenzene	0.0167	0.00225	mg/Kg	8270C LL
2,4,5-Trichlorophenol	0.0167	0.0100	mg/Kg	8270C LL
2,4,6-Trichlorophenol	0.0167	0.00268	mg/Kg	8270C LL
2,4-Dichlorophenol	0.0167	0.00387	mg/Kg	8270C LL
2,4-Dimethylphenol	0.0167	0.00858	mg/Kg	8270C LL
2,4-Dinitrophenol	0.100	0.00472	mg/Kg	8270C LL
2,4-Dinitrotoluene	0.0167	0.00361	mg/Kg	8270C LL
2,6-Dinitrotoluene	0.0167	0.00295	mg/Kg	8270C LL
2-Chloronaphthalene	0.0167	0.00121	mg/Kg	8270C LL
2-Chlorophenol	0.0167	0.00197	mg/Kg	8270C LL
2-Methylnaphthalene	0.0167	0.00274	mg/Kg	8270C LL
2-Methylphenol	0.0167	0.00323	mg/Kg	8270C LL
2-Nitroaniline	0.0167	0.00489	mg/Kg	8270C LL
2-Nitrophenol	0.0167	0.00389	mg/Kg	8270C LL
3 & 4 Methylphenol	0.0333	0.00279	mg/Kg	8270C LL
3,3'-Dichlorobenzidine	0.0167	0.0102	mg/Kg	8270C LL
3-Nitroaniline	0.0167	0.00715	mg/Kg	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
4,6-Dinitro-2-methylphenol	0.0167	0.00498	mg/Kg	8270C LL
4-Bromophenyl phenyl ether	0.0167	0.00284	mg/Kg	8270C LL
4-Chloro-3-methylphenol	0.0167	0.0156	mg/Kg	8270C LL
4-Chloroaniline	0.0167	0.00582	mg/Kg	8270C LL
4-Chlorophenyl phenyl ether	0.0167	0.00180	mg/Kg	8270C LL
4-Nitroaniline	0.0167	0.0112	mg/Kg	8270C LL
4-Nitrophenol	0.0167	0.00508	mg/Kg	8270C LL
Acenaphthene	0.0167	0.00144	mg/Kg	8270C LL
Acenaphthylene	0.0167	0.00100	mg/Kg	8270C LL
Anthracene	0.0167	0.00128	mg/Kg	8270C LL
Benzidine	0.0833	0.00902	mg/Kg	8270C LL
Benzo[a]anthracene	0.0167	0.00138	mg/Kg	8270C LL
Benzo[a]pyrene	0.0167	0.00161	mg/Kg	8270C LL
Benzo[b]fluoranthene	0.0167	0.00172	mg/Kg	8270C LL
Benzo[g,h,i]perylene	0.0167	0.00507	mg/Kg	8270C LL
Benzo[k]fluoranthene	0.0167	0.00149	mg/Kg	8270C LL
Benzyl alcohol	0.0167	0.00583	mg/Kg	8270C LL
bis (2-Chloroisopropyl) ether	0.0167	0.00884	mg/Kg	8270C LL
Bis(2-chloroethoxy)methane	0.0167	0.00142	mg/Kg	8270C LL
Bis(2-chloroethyl)ether	0.0167	0.00165	mg/Kg	8270C LL
Bis(2-ethylhexyl) phthalate	0.0667	0.00537	mg/Kg	8270C LL
Butyl benzyl phthalate	0.0667	0.00619	mg/Kg	8270C LL
Carbazole	0.0167	0.00312	mg/Kg	8270C LL
Chrysene	0.0167	0.00102	mg/Kg	8270C LL
Dibenz(a,h)anthracene	0.0167	0.00363	mg/Kg	8270C LL
Dibenzofuran	0.0167	0.00178	mg/Kg	8270C LL
Diethyl phthalate	0.0667	0.00843	mg/Kg	8270C LL
Dimethyl phthalate	0.0667	0.00489	mg/Kg	8270C LL
Di-n-butyl phthalate	0.0667	0.00259	mg/Kg	8270C LL
Di-n-octyl phthalate	0.0667	0.00190	mg/Kg	8270C LL
Fluoranthene	0.0167	0.00311	mg/Kg	8270C LL
Fluorene	0.0167	0.00236	mg/Kg	8270C LL
Hexachlorobenzene	0.0167	0.00152	mg/Kg	8270C LL
Hexachlorobutadiene	0.0167	0.00192	mg/Kg	8270C LL
Hexachlorocyclopentadiene	0.0167	0.00461	mg/Kg	8270C LL
Hexachloroethane	0.0167	0.00231	mg/Kg	8270C LL
Indeno[1,2,3-cd]pyrene	0.0167	0.00350	mg/Kg	8270C LL
Isophorone	0.0167	0.00100	mg/Kg	8270C LL
Naphthalene	0.0167	0.00135	mg/Kg	8270C LL
Nitrobenzene	0.0167	0.00296	mg/Kg	8270C LL
N-Nitrosodimethylamine	0.0167	0.00419	mg/Kg	8270C LL
N-Nitrosodi-n-propylamine	0.0167	0.00222	mg/Kg	8270C LL
N-Nitrosodiphenylamine	0.0167	0.00189	mg/Kg	8270C LL
Pentachlorophenol	0.167	0.00400	mg/Kg	8270C LL
Phenanthrene	0.0167	0.00495	mg/Kg	8270C LL
Phenol	0.0167	0.00424	mg/Kg	8270C LL
Pyrene	0.0167	0.00183	mg/Kg	8270C LL

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	MQL	MDL	Units	Method
4,4'-DDD	0.00330	0.00162	mg/Kg	8081A

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Analyte	MQL	MDL	Units	Method
4,4'-DDE	0.00330	0.00145	mg/Kg	8081A
4,4'-DDT	0.00330	0.00185	mg/Kg	8081A
Aldrin	0.00170	0.00131	mg/Kg	8081A
alpha-BHC	0.00170	0.00100	mg/Kg	8081A
alpha-Chlordane	0.00330	0.00159	mg/Kg	8081A
beta-BHC	0.00170	0.00102	mg/Kg	8081A
Chlordane (technical)	0.0330	0.00150	mg/Kg	8081A
delta-BHC	0.00170	0.000850	mg/Kg	8081A
Dieldrin	0.00330	0.00139	mg/Kg	8081A
Endosulfan I	0.00170	0.00100	mg/Kg	8081A
Endosulfan II	0.00170	0.00151	mg/Kg	8081A
Endosulfan sulfate	0.00330	0.00168	mg/Kg	8081A
Endrin	0.00330	0.00153	mg/Kg	8081A
Endrin aldehyde	0.00330	0.00156	mg/Kg	8081A
Endrin ketone	0.00330	0.00154	mg/Kg	8081A
gamma-BHC (Lindane)	0.00170	0.000930	mg/Kg	8081A
gamma-Chlordane	0.00330	0.00125	mg/Kg	8081A
Heptachlor	0.00170	0.000930	mg/Kg	8081A
Heptachlor epoxide	0.00170	0.00117	mg/Kg	8081A
Methoxychlor	0.0170	0.00807	mg/Kg	8081A
Toxaphene	0.170	0.0731	mg/Kg	8081A

Method: 8151A - Herbicides (GC)

Analyte	MQL	MDL	Units	Method
2,4,5-T	0.00400	0.000440	mg/Kg	8151A
2,4-D	0.00400	0.000340	mg/Kg	8151A
2,4-DB	0.00400	0.000660	mg/Kg	8151A
Dalapon	0.0200	0.0160	mg/Kg	8151A
Dicamba	0.00400	0.000460	mg/Kg	8151A
Dichlorprop	0.00400	0.000450	mg/Kg	8151A
Dinoseb	0.00400	0.000320	mg/Kg	8151A
MCPA	0.0400	0.0650	mg/Kg	8151A
Mecoprop	0.0400	0.0459	mg/Kg	8151A
Silvex (2,4,5-TP)	0.00400	0.000430	mg/Kg	8151A

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	10.0	4.06	mg/Kg	TX 1005
>C28-C35	10.0	4.06	mg/Kg	TX 1005
C6-C12	10.0	3.80	mg/Kg	TX 1005
C6-C35	10.0	7.48	mg/Kg	TX 1005

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Ag	0.500	0.119	mg/Kg	6010B
Arsenic	1.00	0.218	mg/Kg	6010B
As	1.00	0.218	mg/Kg	6010B
Ba	1.00	0.0300	mg/Kg	6010B
Barium	1.00	0.0300	mg/Kg	6010B

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Method: 6010B - Metals (ICP) (Continued)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Cd	0.250	0.0256	mg/Kg	6010B
Chromium	0.500	0.0506	mg/Kg	6010B
Copper	0.500	0.174	mg/Kg	6010B
Cr	0.500	0.0506	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B
Pb	0.500	0.105	mg/Kg	6010B
Se	2.00	0.259	mg/Kg	6010B
Selenium	2.00	0.259	mg/Kg	6010B
Silver	0.400	0.119	mg/Kg	6010B
Tin	1.00	0.0873	mg/Kg	6010B

Method: 7471A - Mercury (CVAA)

Analyte	MQL	MDL	Units	Method
Mercury	0.0500	0.00358	mg/Kg	7471A

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

GC/MS VOA

Analysis Batch: 104298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	8260B	
600-71692-1 MS	TP-9 1'	Total/NA	Solid	8260B	
600-71692-1 MSD	TP-9 1'	Total/NA	Solid	8260B	
600-71692-2	TP-9 5'	Total/NA	Solid	8260B	
600-71692-5	TP-8 5'	Total/NA	Solid	8260B	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	8260B	
600-71692-8	TP-7 2'	Total/NA	Solid	8260B	
600-71692-9	TP-7 3'	Total/NA	Solid	8260B	
600-71692-11	TP-6 2.5'	Total/NA	Solid	8260B	
600-71692-12	TP-6 3.5	Total/NA	Solid	8260B	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	8260B	
600-71692-14	TP-5 3'	Total/NA	Solid	8260B	
600-71692-15	TP-1 1'	Total/NA	Solid	8260B	
600-71692-16	TP-1 2'	Total/NA	Solid	8260B	
600-71692-17	TP-5 1'	Total/NA	Solid	8260B	
600-71692-23	TP-10 1'	Total/NA	Solid	8260B	
600-71692-24	TP-11 1'	Total/NA	Solid	8260B	
600-71692-25	TP-11 1' Dup	Total/NA	Solid	8260B	
LCS 600-104298/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 600-104298/4	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 104326

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-34	TB-1	Total/NA	Water	8260B	
600-71692-35	TB-2	Total/NA	Water	8260B	
LCS 600-104326/4	Lab Control Sample	Total/NA	Water	8260B	
MB 600-104326/6	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 104359

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-4	TP-8 3'	Total/NA	Solid	8260B	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	8260B	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	8260B	
600-71692-26	TP-12 1'	Total/NA	Solid	8260B	
600-71692-27	TP-13 1'	Total/NA	Solid	8260B	
600-71692-28	CF-1	Total/NA	Solid	8260B	
600-71692-29	CF-1 Dup	Total/NA	Solid	8260B	
600-71692-30	CF-2	Total/NA	Solid	8260B	
600-71692-31	CF-3	Total/NA	Solid	8260B	
600-71692-32	CF-4	Total/NA	Solid	8260B	
600-71692-33	Cistern	Total/NA	Solid	8260B	
LCS 600-104359/3	Lab Control Sample	Total/NA	Solid	8260B	
MB 600-104359/4	Method Blank	Total/NA	Solid	8260B	

GC/MS Semi VOA

Prep Batch: 104245

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	3550B	
600-71692-2	TP-9 5'	Total/NA	Solid	3550B	

GC/MS Semi VOA (Continued)

Prep Batch: 104245 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-4	TP-8 3'	Total/NA	Solid	3550B	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	3550B	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	3550B	
600-71692-5	TP-8 5'	Total/NA	Solid	3550B	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	3550B	
600-71692-8	TP-7 2'	Total/NA	Solid	3550B	
600-71692-9	TP-7 3'	Total/NA	Solid	3550B	
600-71692-11	TP-6 2.5'	Total/NA	Solid	3550B	
600-71692-12	TP-6 3.5	Total/NA	Solid	3550B	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	3550B	
600-71692-14	TP-5 3'	Total/NA	Solid	3550B	
600-71692-15	TP-1 1'	Total/NA	Solid	3550B	
600-71692-16	TP-1 2'	Total/NA	Solid	3550B	
600-71692-17	TP-5 1'	Total/NA	Solid	3550B	
600-71692-23	TP-10 1'	Total/NA	Solid	3550B	
600-71692-24	TP-11 1'	Total/NA	Solid	3550B	
600-71692-25	TP-11 1' Dup	Total/NA	Solid	3550B	
600-71692-26	TP-12 1'	Total/NA	Solid	3550B	
600-71692-27	TP-13 1'	Total/NA	Solid	3550B	
LCS 600-104245/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 600-104245/1-A	Method Blank	Total/NA	Solid	3550B	

Prep Batch: 104246

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-28	CF-1	Total/NA	Solid	3550B	
600-71692-28 MS	CF-1	Total/NA	Solid	3550B	
600-71692-28 MSD	CF-1	Total/NA	Solid	3550B	
600-71692-29	CF-1 Dup	Total/NA	Solid	3550B	
600-71692-30	CF-2	Total/NA	Solid	3550B	
600-71692-31	CF-3	Total/NA	Solid	3550B	
600-71692-32	CF-4	Total/NA	Solid	3550B	
600-71692-33	Cistern	Total/NA	Solid	3550B	
LCS 600-104246/2-A	Lab Control Sample	Total/NA	Solid	3550B	
MB 600-104246/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 104365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-2	TP-9 5'	Total/NA	Solid	8270C LL	104245
600-71692-4	TP-8 3'	Total/NA	Solid	8270C LL	104245
600-71692-4 MS	TP-8 3'	Total/NA	Solid	8270C LL	104245
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	8270C LL	104245
600-71692-5	TP-8 5'	Total/NA	Solid	8270C LL	104245
600-71692-6	TP-4 5' Dup	Total/NA	Solid	8270C LL	104245
600-71692-9	TP-7 3'	Total/NA	Solid	8270C LL	104245
LCS 600-104245/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	104245
MB 600-104245/1-A	Method Blank	Total/NA	Solid	8270C LL	104245

Analysis Batch: 104475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	8270C LL	104245
600-71692-8	TP-7 2'	Total/NA	Solid	8270C LL	104245

GC/MS Semi VOA (Continued)

Analysis Batch: 104475 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-11	TP-6 2.5'	Total/NA	Solid	8270C LL	104245
600-71692-12	TP-6 3.5	Total/NA	Solid	8270C LL	104245
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	8270C LL	104245
600-71692-14	TP-5 3'	Total/NA	Solid	8270C LL	104245
600-71692-15	TP-1 1'	Total/NA	Solid	8270C LL	104245
600-71692-16	TP-1 2'	Total/NA	Solid	8270C LL	104245
600-71692-17	TP-5 1'	Total/NA	Solid	8270C LL	104245
600-71692-23	TP-10 1'	Total/NA	Solid	8270C LL	104245
600-71692-24	TP-11 1'	Total/NA	Solid	8270C LL	104245
600-71692-25	TP-11 1' Dup	Total/NA	Solid	8270C LL	104245
600-71692-26	TP-12 1'	Total/NA	Solid	8270C LL	104245
600-71692-27	TP-13 1'	Total/NA	Solid	8270C LL	104245
600-71692-28	CF-1	Total/NA	Solid	8270C LL	104246
600-71692-28 MS	CF-1	Total/NA	Solid	8270C LL	104246
600-71692-28 MSD	CF-1	Total/NA	Solid	8270C LL	104246
600-71692-29	CF-1 Dup	Total/NA	Solid	8270C LL	104246
600-71692-30	CF-2	Total/NA	Solid	8270C LL	104246
600-71692-31	CF-3	Total/NA	Solid	8270C LL	104246
600-71692-32	CF-4	Total/NA	Solid	8270C LL	104246
600-71692-33	Cistern	Total/NA	Solid	8270C LL	104246
LCS 600-104246/2-A	Lab Control Sample	Total/NA	Solid	8270C LL	104246
MB 600-104246/1-A	Method Blank	Total/NA	Solid	8270C LL	104246

GC Semi VOA

Prep Batch: 104188

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-2	TP-9 5'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-4	TP-8 3'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-5	TP-8 5'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	TX_1005_S_Prep	
600-71692-8	TP-7 2'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-9	TP-7 3'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-11	TP-6 2.5'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-12	TP-6 3.5	Total/NA	Solid	TX_1005_S_Prep	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	TX_1005_S_Prep	
600-71692-14	TP-5 3'	Total/NA	Solid	TX_1005_S_Prep	

GC Semi VOA (Continued)

Prep Batch: 104188 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-15	TP-1 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-16	TP-1 2'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-17	TP-5 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-23	TP-10 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-24	TP-11 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-25	TP-11 1' Dup	Total/NA	Solid	TX_1005_S_Prep	
600-71692-26	TP-12 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-27	TP-13 1'	Total/NA	Solid	TX_1005_S_Prep	
600-71692-28	CF-1	Total/NA	Solid	TX_1005_S_Prep	
LCS 600-104188/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
MB 600-104188/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	

Prep Batch: 104215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-29	CF-1 Dup	Total/NA	Solid	TX_1005_S_Prep	
600-71692-30	CF-2	Total/NA	Solid	TX_1005_S_Prep	
600-71692-31	CF-3	Total/NA	Solid	TX_1005_S_Prep	
600-71692-32	CF-4	Total/NA	Solid	TX_1005_S_Prep	
600-71692-33	Cistern	Total/NA	Solid	TX_1005_S_Prep	
600-71692-33 MS	Cistern	Total/NA	Solid	TX_1005_S_Prep	
600-71692-33 MSD	Cistern	Total/NA	Solid	TX_1005_S_Prep	
LCS 600-104215/2-A	Lab Control Sample	Total/NA	Solid	TX_1005_S_Prep	
MB 600-104215/1-A	Method Blank	Total/NA	Solid	TX_1005_S_Prep	

Prep Batch: 104262

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-33	Cistern	Total/NA	Solid	3550B	
LCS 600-104262/2-A	Lab Control Sample	Total/NA	Solid	3550B	
LCSD 600-104262/3-A	Lab Control Sample Dup	Total/NA	Solid	3550B	
MB 600-104262/1-A	Method Blank	Total/NA	Solid	3550B	

Analysis Batch: 104275

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-12	TP-6 3.5	Total/NA	Solid	TX 1005	104188
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	TX 1005	104188
600-71692-14	TP-5 3'	Total/NA	Solid	TX 1005	104188

GC Semi VOA (Continued)

Analysis Batch: 104275 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-15	TP-1 1'	Total/NA	Solid	TX 1005	104188
600-71692-16	TP-1 2'	Total/NA	Solid	TX 1005	104188
600-71692-17	TP-5 1'	Total/NA	Solid	TX 1005	104188
600-71692-23	TP-10 1'	Total/NA	Solid	TX 1005	104188
600-71692-24	TP-11 1'	Total/NA	Solid	TX 1005	104188
600-71692-25	TP-11 1' Dup	Total/NA	Solid	TX 1005	104188
600-71692-26	TP-12 1'	Total/NA	Solid	TX 1005	104188
600-71692-27	TP-13 1'	Total/NA	Solid	TX 1005	104188
600-71692-28	CF-1	Total/NA	Solid	TX 1005	104188
600-71692-29	CF-1 Dup	Total/NA	Solid	TX 1005	104215
600-71692-33	Cistern	Total/NA	Solid	TX 1005	104215
600-71692-33 MS	Cistern	Total/NA	Solid	TX 1005	104215
600-71692-33 MSD	Cistern	Total/NA	Solid	TX 1005	104215
LCS 600-104215/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	104215
MB 600-104215/1-A	Method Blank	Total/NA	Solid	TX 1005	104215

Analysis Batch: 104277

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	TX 1005	104188
600-71692-2	TP-9 5'	Total/NA	Solid	TX 1005	104188
600-71692-4	TP-8 3'	Total/NA	Solid	TX 1005	104188
600-71692-4 MS	TP-8 3'	Total/NA	Solid	TX 1005	104188
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	TX 1005	104188
600-71692-5	TP-8 5'	Total/NA	Solid	TX 1005	104188
600-71692-6	TP-4 5' Dup	Total/NA	Solid	TX 1005	104188
600-71692-8	TP-7 2'	Total/NA	Solid	TX 1005	104188
600-71692-9	TP-7 3'	Total/NA	Solid	TX 1005	104188
600-71692-11	TP-6 2.5'	Total/NA	Solid	TX 1005	104188
600-71692-30	CF-2	Total/NA	Solid	TX 1005	104215
600-71692-31	CF-3	Total/NA	Solid	TX 1005	104215
600-71692-32	CF-4	Total/NA	Solid	TX 1005	104215
LCS 600-104188/2-A	Lab Control Sample	Total/NA	Solid	TX 1005	104188
MB 600-104188/1-A	Method Blank	Total/NA	Solid	TX 1005	104188

Prep Batch: 104280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-33	Cistern	Total/NA	Solid	8151A	
LCS 600-104280/2-A	Lab Control Sample	Total/NA	Solid	8151A	
LCSD 600-104280/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	
MB 600-104280/1-A	Method Blank	Total/NA	Solid	8151A	

Analysis Batch: 104373

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-33	Cistern	Total/NA	Solid	8151A	104280
LCS 600-104280/2-A	Lab Control Sample	Total/NA	Solid	8151A	104280
LCSD 600-104280/3-A	Lab Control Sample Dup	Total/NA	Solid	8151A	104280
MB 600-104280/1-A	Method Blank	Total/NA	Solid	8151A	104280

Analysis Batch: 104388

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-33	Cistern	Total/NA	Solid	8081A	104262

GC Semi VOA (Continued)

Analysis Batch: 104388 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-104262/2-A	Lab Control Sample	Total/NA	Solid	8081A	104262
LCSD 600-104262/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	104262
MB 600-104262/1-A	Method Blank	Total/NA	Solid	8081A	104262

Metals

Prep Batch: 104161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	7471A	
600-71692-2	TP-9 5'	Total/NA	Solid	7471A	
600-71692-4	TP-8 3'	Total/NA	Solid	7471A	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	7471A	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	7471A	
600-71692-5	TP-8 5'	Total/NA	Solid	7471A	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	7471A	
600-71692-8	TP-7 2'	Total/NA	Solid	7471A	
600-71692-9	TP-7 3'	Total/NA	Solid	7471A	
600-71692-9 DU	TP-7 3'	Total/NA	Solid	7471A	
600-71692-9 MS	TP-7 3'	Total/NA	Solid	7471A	
600-71692-11	TP-6 2.5'	Total/NA	Solid	7471A	
600-71692-12	TP-6 3.5	Total/NA	Solid	7471A	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	7471A	
600-71692-14	TP-5 3'	Total/NA	Solid	7471A	
600-71692-15	TP-1 1'	Total/NA	Solid	7471A	
600-71692-16	TP-1 2'	Total/NA	Solid	7471A	
600-71692-17	TP-5 1'	Total/NA	Solid	7471A	
600-71692-23	TP-10 1'	Total/NA	Solid	7471A	
600-71692-24	TP-11 1'	Total/NA	Solid	7471A	
600-71692-25	TP-11 1' Dup	Total/NA	Solid	7471A	
600-71692-26	TP-12 1'	Total/NA	Solid	7471A	
600-71692-27	TP-13 1'	Total/NA	Solid	7471A	
600-71692-28	CF-1	Total/NA	Solid	7471A	
LCSSRM 600-104161/8-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 600-104161/7-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 104163

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-29	CF-1 Dup	Total/NA	Solid	7471A	
600-71692-29 DU	CF-1 Dup	Total/NA	Solid	7471A	
600-71692-29 MS	CF-1 Dup	Total/NA	Solid	7471A	
600-71692-30	CF-2	Total/NA	Solid	7471A	
600-71692-31	CF-3	Total/NA	Solid	7471A	
600-71692-32	CF-4	Total/NA	Solid	7471A	
600-71692-33	Cistern	Total/NA	Solid	7471A	
LCSSRM 600-104163/8-A	Lab Control Sample	Total/NA	Solid	7471A	
MB 600-104163/7-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 104189

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 104189 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-2	TP-9 5'	Total/NA	Solid	3050B	
600-71692-4	TP-8 3'	Total/NA	Solid	3050B	
600-71692-4 DU	TP-8 3'	Total/NA	Solid	3050B	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	3050B	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	3050B	
600-71692-5	TP-8 5'	Total/NA	Solid	3050B	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	3050B	
600-71692-8	TP-7 2'	Total/NA	Solid	3050B	
600-71692-9	TP-7 3'	Total/NA	Solid	3050B	
600-71692-11	TP-6 2.5'	Total/NA	Solid	3050B	
600-71692-11 DU	TP-6 2.5'	Total/NA	Solid	3050B	
600-71692-11 MS	TP-6 2.5'	Total/NA	Solid	3050B	
600-71692-11 MSD	TP-6 2.5'	Total/NA	Solid	3050B	
600-71692-12	TP-6 3.5	Total/NA	Solid	3050B	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	3050B	
600-71692-14	TP-5 3'	Total/NA	Solid	3050B	
600-71692-15	TP-1 1'	Total/NA	Solid	3050B	
600-71692-16	TP-1 2'	Total/NA	Solid	3050B	
600-71692-17	TP-5 1'	Total/NA	Solid	3050B	
600-71692-23	TP-10 1'	Total/NA	Solid	3050B	
600-71692-24	TP-11 1'	Total/NA	Solid	3050B	
LCSSRM 600-104189/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-104189/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 104220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	7471A	104161
600-71692-2	TP-9 5'	Total/NA	Solid	7471A	104161
600-71692-4	TP-8 3'	Total/NA	Solid	7471A	104161
600-71692-4 MS	TP-8 3'	Total/NA	Solid	7471A	104161
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	7471A	104161
600-71692-5	TP-8 5'	Total/NA	Solid	7471A	104161
600-71692-6	TP-4 5' Dup	Total/NA	Solid	7471A	104161
600-71692-8	TP-7 2'	Total/NA	Solid	7471A	104161
600-71692-9	TP-7 3'	Total/NA	Solid	7471A	104161
600-71692-9 DU	TP-7 3'	Total/NA	Solid	7471A	104161
600-71692-9 MS	TP-7 3'	Total/NA	Solid	7471A	104161
600-71692-11	TP-6 2.5'	Total/NA	Solid	7471A	104161
600-71692-12	TP-6 3.5	Total/NA	Solid	7471A	104161
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	7471A	104161
600-71692-14	TP-5 3'	Total/NA	Solid	7471A	104161
600-71692-15	TP-1 1'	Total/NA	Solid	7471A	104161
600-71692-16	TP-1 2'	Total/NA	Solid	7471A	104161
600-71692-17	TP-5 1'	Total/NA	Solid	7471A	104161
600-71692-23	TP-10 1'	Total/NA	Solid	7471A	104161
600-71692-24	TP-11 1'	Total/NA	Solid	7471A	104161
600-71692-25	TP-11 1' Dup	Total/NA	Solid	7471A	104161
600-71692-26	TP-12 1'	Total/NA	Solid	7471A	104161
600-71692-27	TP-13 1'	Total/NA	Solid	7471A	104161
600-71692-28	CF-1	Total/NA	Solid	7471A	104161
600-71692-29	CF-1 Dup	Total/NA	Solid	7471A	104163

Metals (Continued)

Analysis Batch: 104220 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-29 DU	CF-1 Dup	Total/NA	Solid	7471A	104163
600-71692-29 MS	CF-1 Dup	Total/NA	Solid	7471A	104163
600-71692-30	CF-2	Total/NA	Solid	7471A	104163
600-71692-31	CF-3	Total/NA	Solid	7471A	104163
600-71692-32	CF-4	Total/NA	Solid	7471A	104163
600-71692-33	Cistern	Total/NA	Solid	7471A	104163
LCSSRM 600-104161/8-A	Lab Control Sample	Total/NA	Solid	7471A	104161
LCSSRM 600-104163/8-A	Lab Control Sample	Total/NA	Solid	7471A	104163
MB 600-104161/7-A	Method Blank	Total/NA	Solid	7471A	104161
MB 600-104163/7-A	Method Blank	Total/NA	Solid	7471A	104163

Analysis Batch: 104239

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	6010B	104189
600-71692-2	TP-9 5'	Total/NA	Solid	6010B	104189
600-71692-4	TP-8 3'	Total/NA	Solid	6010B	104189
600-71692-4 DU	TP-8 3'	Total/NA	Solid	6010B	104189
600-71692-4 MS	TP-8 3'	Total/NA	Solid	6010B	104189
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	6010B	104189
600-71692-5	TP-8 5'	Total/NA	Solid	6010B	104189
600-71692-6	TP-4 5' Dup	Total/NA	Solid	6010B	104189
600-71692-8	TP-7 2'	Total/NA	Solid	6010B	104189
600-71692-9	TP-7 3'	Total/NA	Solid	6010B	104189
600-71692-11	TP-6 2.5'	Total/NA	Solid	6010B	104189
600-71692-11 DU	TP-6 2.5'	Total/NA	Solid	6010B	104189
600-71692-11 MS	TP-6 2.5'	Total/NA	Solid	6010B	104189
600-71692-11 MSD	TP-6 2.5'	Total/NA	Solid	6010B	104189
600-71692-12	TP-6 3.5	Total/NA	Solid	6010B	104189
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	6010B	104189
600-71692-14	TP-5 3'	Total/NA	Solid	6010B	104189
600-71692-15	TP-1 1'	Total/NA	Solid	6010B	104189
600-71692-16	TP-1 2'	Total/NA	Solid	6010B	104189
600-71692-17	TP-5 1'	Total/NA	Solid	6010B	104189
600-71692-23	TP-10 1'	Total/NA	Solid	6010B	104189
600-71692-24	TP-11 1'	Total/NA	Solid	6010B	104189
LCSSRM 600-104189/2-A	Lab Control Sample	Total/NA	Solid	6010B	104189
MB 600-104189/1-A	Method Blank	Total/NA	Solid	6010B	104189

Prep Batch: 104278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-3	TP-8 1'	Total/NA	Solid	3050B	
600-71692-7	TP-7 1'	Total/NA	Solid	3050B	
600-71692-7 DU	TP-7 1'	Total/NA	Solid	3050B	
600-71692-7 MS	TP-7 1'	Total/NA	Solid	3050B	
600-71692-7 MSD	TP-7 1'	Total/NA	Solid	3050B	
600-71692-10	TP-6 1'	Total/NA	Solid	3050B	
600-71692-18	TP-2 1'	Total/NA	Solid	3050B	
600-71692-19	TP-3 1.5'	Total/NA	Solid	3050B	
600-71692-20	TP-3 0.5'	Total/NA	Solid	3050B	
600-71692-20 DU	TP-3 0.5'	Total/NA	Solid	3050B	
600-71692-20 MS	TP-3 0.5'	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 104278 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-20 MSD	TP-3 0.5'	Total/NA	Solid	3050B	
600-71692-21	TP-4 0.5'	Total/NA	Solid	3050B	
600-71692-22	TP-4 1.5'	Total/NA	Solid	3050B	
LCS 600-104278/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-104278/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 104293

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-25	TP-11 1' Dup	Total/NA	Solid	3050B	
600-71692-26	TP-12 1'	Total/NA	Solid	3050B	
600-71692-27	TP-13 1'	Total/NA	Solid	3050B	
600-71692-27 DU	TP-13 1'	Total/NA	Solid	3050B	
600-71692-27 MS	TP-13 1'	Total/NA	Solid	3050B	
600-71692-27 MSD	TP-13 1'	Total/NA	Solid	3050B	
600-71692-28	CF-1	Total/NA	Solid	3050B	
600-71692-28 - DL	CF-1	Total/NA	Solid	3050B	
600-71692-29	CF-1 Dup	Total/NA	Solid	3050B	
600-71692-30	CF-2	Total/NA	Solid	3050B	
600-71692-31	CF-3	Total/NA	Solid	3050B	
600-71692-32	CF-4	Total/NA	Solid	3050B	
600-71692-33	Cistern	Total/NA	Solid	3050B	
LCSSRM 600-104293/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-104293/1-A	Method Blank	Total/NA	Solid	3050B	
MB 600-104293/24-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 104344

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-3	TP-8 1'	Total/NA	Solid	6010B	104278
600-71692-7	TP-7 1'	Total/NA	Solid	6010B	104278
600-71692-7 DU	TP-7 1'	Total/NA	Solid	6010B	104278
600-71692-7 MS	TP-7 1'	Total/NA	Solid	6010B	104278
600-71692-7 MSD	TP-7 1'	Total/NA	Solid	6010B	104278
600-71692-10	TP-6 1'	Total/NA	Solid	6010B	104278
600-71692-18	TP-2 1'	Total/NA	Solid	6010B	104278
600-71692-19	TP-3 1.5'	Total/NA	Solid	6010B	104278
600-71692-20	TP-3 0.5'	Total/NA	Solid	6010B	104278
600-71692-20 DU	TP-3 0.5'	Total/NA	Solid	6010B	104278
600-71692-20 MS	TP-3 0.5'	Total/NA	Solid	6010B	104278
600-71692-20 MSD	TP-3 0.5'	Total/NA	Solid	6010B	104278
600-71692-21	TP-4 0.5'	Total/NA	Solid	6010B	104278
600-71692-22	TP-4 1.5'	Total/NA	Solid	6010B	104278
LCS 600-104278/2-A	Lab Control Sample	Total/NA	Solid	6010B	104278
MB 600-104278/1-A	Method Blank	Total/NA	Solid	6010B	104278

Analysis Batch: 104394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-25	TP-11 1' Dup	Total/NA	Solid	6010B	104293
600-71692-26	TP-12 1'	Total/NA	Solid	6010B	104293
600-71692-27	TP-13 1'	Total/NA	Solid	6010B	104293
600-71692-27 DU	TP-13 1'	Total/NA	Solid	6010B	104293
600-71692-27 MS	TP-13 1'	Total/NA	Solid	6010B	104293

Metals (Continued)

Analysis Batch: 104394 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-27 MSD	TP-13 1'	Total/NA	Solid	6010B	104293
600-71692-28	CF-1	Total/NA	Solid	6010B	104293
600-71692-28 - DL	CF-1	Total/NA	Solid	6010B	104293
600-71692-29	CF-1 Dup	Total/NA	Solid	6010B	104293
600-71692-30	CF-2	Total/NA	Solid	6010B	104293
600-71692-31	CF-3	Total/NA	Solid	6010B	104293
600-71692-32	CF-4	Total/NA	Solid	6010B	104293
600-71692-33	Cistern	Total/NA	Solid	6010B	104293
LCSSRM 600-104293/2-A	Lab Control Sample	Total/NA	Solid	6010B	104293
MB 600-104293/1-A	Method Blank	Total/NA	Solid	6010B	104293
MB 600-104293/24-A	Method Blank	Total/NA	Solid	6010B	104293

General Chemistry

Analysis Batch: 104248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-1	TP-9 1'	Total/NA	Solid	Moisture	
600-71692-1 DU	TP-9 1'	Total/NA	Solid	Moisture	
600-71692-2	TP-9 5'	Total/NA	Solid	Moisture	
600-71692-3	TP-8 1'	Total/NA	Solid	Moisture	
600-71692-4	TP-8 3'	Total/NA	Solid	Moisture	
600-71692-4 MS	TP-8 3'	Total/NA	Solid	Moisture	
600-71692-4 MSD	TP-8 3'	Total/NA	Solid	Moisture	
600-71692-5	TP-8 5'	Total/NA	Solid	Moisture	
600-71692-6	TP-4 5' Dup	Total/NA	Solid	Moisture	
600-71692-7	TP-7 1'	Total/NA	Solid	Moisture	
600-71692-8	TP-7 2'	Total/NA	Solid	Moisture	
600-71692-9	TP-7 3'	Total/NA	Solid	Moisture	
600-71692-10	TP-6 1'	Total/NA	Solid	Moisture	
600-71692-11	TP-6 2.5'	Total/NA	Solid	Moisture	
600-71692-11 DU	TP-6 2.5'	Total/NA	Solid	Moisture	
600-71692-12	TP-6 3.5	Total/NA	Solid	Moisture	
600-71692-13	TP-6 3.5' Dup	Total/NA	Solid	Moisture	
600-71692-14	TP-5 3'	Total/NA	Solid	Moisture	
600-71692-15	TP-1 1'	Total/NA	Solid	Moisture	
600-71692-16	TP-1 2'	Total/NA	Solid	Moisture	
600-71692-17	TP-5 1'	Total/NA	Solid	Moisture	
600-71692-18	TP-2 1'	Total/NA	Solid	Moisture	
600-71692-19	TP-3 1.5'	Total/NA	Solid	Moisture	
600-71692-20	TP-3 0.5'	Total/NA	Solid	Moisture	
600-71692-20 MS	TP-3 0.5'	Total/NA	Solid	Moisture	
600-71692-20 MSD	TP-3 0.5'	Total/NA	Solid	Moisture	
600-71692-21	TP-4 0.5'	Total/NA	Solid	Moisture	
600-71692-22	TP-4 1.5'	Total/NA	Solid	Moisture	
600-71692-23	TP-10 1'	Total/NA	Solid	Moisture	
600-71692-24	TP-11 1'	Total/NA	Solid	Moisture	
600-71692-25	TP-11 1' Dup	Total/NA	Solid	Moisture	
600-71692-26	TP-12 1'	Total/NA	Solid	Moisture	
600-71692-27	TP-13 1'	Total/NA	Solid	Moisture	
600-71692-28	CF-1	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 104248 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-29	CF-1 Dup	Total/NA	Solid	Moisture	
600-71692-30	CF-2	Total/NA	Solid	Moisture	
600-71692-31	CF-3	Total/NA	Solid	Moisture	
600-71692-31 DU	CF-3	Total/NA	Solid	Moisture	
600-71692-32	CF-4	Total/NA	Solid	Moisture	
600-71692-33	Cistern	Total/NA	Solid	Moisture	

Client Sample ID: TP-9 1' — **Lab Sample ID: 600-71692-1**
Date Collected: 04/15/13 09:15 — **Matrix: Solid**
Date Received: 04/17/13 08:43 — **Percent Solids: 91.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 12:06	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 17:15	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 21:47	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:38	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-9 5' — **Lab Sample ID: 600-71692-2**
Date Collected: 04/15/13 09:35 — **Matrix: Solid**
Date Received: 04/17/13 08:43 — **Percent Solids: 88.0**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 12:30	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		1	104365	04/18/13 22:56	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 22:23	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:40	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:34	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-8 1' — **Lab Sample ID: 600-71692-3**
Date Collected: 04/15/13 10:00 — **Matrix: Solid**
Date Received: 04/17/13 08:43 — **Percent Solids: 68.6**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 09:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-8 3' — **Lab Sample ID: 600-71692-4**
Date Collected: 04/15/13 10:10 — **Matrix: Solid**
Date Received: 04/17/13 08:43 — **Percent Solids: 73.4**

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 12:40	WS	TAL HOU

Client Sample ID: TP-8 3'

Lab Sample ID: 600-71692-4

Date Collected: 04/15/13 10:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		1	104365	04/18/13 23:22	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 22:59	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:42	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 12:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-8 5'

Lab Sample ID: 600-71692-5

Date Collected: 04/15/13 10:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 75.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 13:17	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		1	104365	04/19/13 00:43	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/19/13 01:23	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:48	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-4 5' Dup

Lab Sample ID: 600-71692-6

Date Collected: 04/15/13 09:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 88.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 13:40	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		1	104365	04/19/13 01:10	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/19/13 01:59	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:50	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-7 1'

Lab Sample ID: 600-71692-7

Date Collected: 04/15/13 10:45
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 09:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-7 2'

Lab Sample ID: 600-71692-8

Date Collected: 04/15/13 11:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 16:28	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 17:42	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/19/13 02:34	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:52	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:39	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-7 3'

Lab Sample ID: 600-71692-9

Date Collected: 04/15/13 10:55
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 16:52	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		1	104365	04/19/13 02:03	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/19/13 03:10	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 07:57	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:41	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-6 1'

Lab Sample ID: 600-71692-10

Date Collected: 04/15/13 11:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 85.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 10:19	DCL	TAL HOU

Client Sample ID: TP-6 1'

Lab Sample ID: 600-71692-10

Date Collected: 04/15/13 11:10

Matrix: Solid

Date Received: 04/17/13 08:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-6 2.5'

Lab Sample ID: 600-71692-11

Date Collected: 04/15/13 11:30

Matrix: Solid

Date Received: 04/17/13 08:43

Percent Solids: 84.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 17:16	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 18:09	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/19/13 03:46	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:02	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 13:44	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-6 3.5

Lab Sample ID: 600-71692-12

Date Collected: 04/15/13 11:35

Matrix: Solid

Date Received: 04/17/13 08:43

Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 17:39	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		5	104475	04/19/13 18:35	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 19:58	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:04	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-6 3.5' Dup

Lab Sample ID: 600-71692-13

Date Collected: 04/15/13 11:35

Matrix: Solid

Date Received: 04/17/13 08:43

Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 18:03	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		5	104475	04/19/13 19:02	JH	TAL HOU

Client Sample ID: TP-6 3.5' Dup

Lab Sample ID: 600-71692-13

Date Collected: 04/15/13 11:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 66.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 20:34	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:06	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-5 3'

Lab Sample ID: 600-71692-14

Date Collected: 04/15/13 12:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 68.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 18:27	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		5	104475	04/19/13 19:28	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 21:10	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:08	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-1 1'

Lab Sample ID: 600-71692-15

Date Collected: 04/15/13 14:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 18:51	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 19:55	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 21:47	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:10	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-1 2'

Lab Sample ID: 600-71692-16

Date Collected: 04/15/13 14:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 79.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 19:14	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 20:22	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 22:23	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:11	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:11	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-5 1'

Lab Sample ID: 600-71692-17

Date Collected: 04/15/13 12:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 19:37	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 20:49	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 22:59	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:13	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-2 1'

Lab Sample ID: 600-71692-18

Date Collected: 04/15/13 14:35
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 86.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 10:49	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-3 1.5'

Lab Sample ID: 600-71692-19

Date Collected: 04/15/13 14:45
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 71.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 10:53	DCL	TAL HOU

Client Sample ID: TP-3 1.5'

Lab Sample ID: 600-71692-19

Date Collected: 04/15/13 14:45
Matrix: Solid
Date Received: 04/17/13 08:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-3 0.5'

Lab Sample ID: 600-71692-20

Date Collected: 04/15/13 15:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 11:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-4 0.5'

Lab Sample ID: 600-71692-21

Date Collected: 04/15/13 15:05
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 11:20	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-4 1.5'

Lab Sample ID: 600-71692-22

Date Collected: 04/15/13 15:10
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104278	04/18/13 14:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	104344	04/19/13 11:24	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-10 1'

Lab Sample ID: 600-71692-23

Date Collected: 04/15/13 15:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 20:01	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 21:16	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 23:35	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:22	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU

Client Sample ID: TP-10 1'

Lab Sample ID: 600-71692-23

Date Collected: 04/15/13 15:50
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 76.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		1	104239	04/18/13 14:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-11 1'

Lab Sample ID: 600-71692-24

Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 73.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 20:25	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		5	104475	04/19/13 21:42	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/19/13 00:11	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:24	JB	TAL HOU
Total/NA	Prep	3050B			104189	04/17/13 15:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	104239	04/18/13 14:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-11 1' Dup

Lab Sample ID: 600-71692-25

Date Collected: 04/15/13 16:00
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 75.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104298	04/18/13 20:48	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		5	104475	04/19/13 22:09	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/19/13 01:23	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:26	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 16:14	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-12 1'

Lab Sample ID: 600-71692-26

Date Collected: 04/15/13 16:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 11:05	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU

Client Sample ID: TP-12 1'

Lab Sample ID: 600-71692-26

Date Collected: 04/15/13 16:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 83.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C LL		10	104475	04/19/13 22:36	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/19/13 01:59	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:28	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 16:16	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-13 1'

Lab Sample ID: 600-71692-27

Date Collected: 04/15/13 16:20
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 11:29	WS	TAL HOU
Total/NA	Prep	3550B			104245	04/18/13 11:47	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 23:03	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/19/13 02:34	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:29	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 16:19	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: CF-1

Lab Sample ID: 600-71692-28

Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43
Percent Solids: 82.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 11:53	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/19/13 23:29	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104188	04/17/13 15:21	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/19/13 03:10	RV	TAL HOU
Total/NA	Prep	7471A			104161	04/17/13 12:36	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:31	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 17:38	DCL	TAL HOU
Total/NA	Prep	3050B	DL		104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B	DL	10	104394	04/19/13 18:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-1 Dup

Lab Sample ID: 600-71692-29

Date Collected: 04/16/13 08:15
Date Received: 04/17/13 08:43

Matrix: Solid
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 12:17	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/20/13 00:49	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104215	04/18/13 08:11	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 14:35	RV	TAL HOU
Total/NA	Prep	7471A			104163	04/17/13 13:00	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:39	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 17:40	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: CF-2

Lab Sample ID: 600-71692-30

Date Collected: 04/16/13 08:30
Date Received: 04/17/13 08:43

Matrix: Solid
Percent Solids: 62.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 13:04	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/20/13 01:16	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104215	04/18/13 08:11	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 13:22	RV	TAL HOU
Total/NA	Prep	7471A			104163	04/17/13 13:00	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:50	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 17:43	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: CF-3

Lab Sample ID: 600-71692-31

Date Collected: 04/16/13 08:40
Date Received: 04/17/13 08:43

Matrix: Solid
Percent Solids: 79.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 13:27	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/20/13 01:43	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104215	04/18/13 08:11	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 13:58	RV	TAL HOU
Total/NA	Prep	7471A			104163	04/17/13 13:00	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:52	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 17:45	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: CF-4

Lab Sample ID: 600-71692-32

Date Collected: 04/16/13 08:55
Date Received: 04/17/13 08:43

Matrix: Solid
Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 14:38	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/20/13 02:09	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104215	04/18/13 08:11	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104277	04/18/13 14:35	RV	TAL HOU
Total/NA	Prep	7471A			104163	04/17/13 13:00	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:53	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 17:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: Cistern

Lab Sample ID: 600-71692-33

Date Collected: 04/16/13 09:50
Date Received: 04/17/13 08:43

Matrix: Solid
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104359	04/19/13 15:02	WS	TAL HOU
Total/NA	Prep	3550B			104246	04/18/13 11:48	ET	TAL HOU
Total/NA	Analysis	8270C LL		10	104475	04/20/13 02:36	JH	TAL HOU
Total/NA	Prep	TX_1005_S_Prep			104215	04/18/13 08:11	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	104275	04/18/13 12:45	RV	TAL HOU
Total/NA	Prep	8151A			104280	04/18/13 14:50	SMB	TAL HOU
Total/NA	Analysis	8151A		1	104373	04/18/13 22:52	JAL	TAL HOU
Total/NA	Prep	3550B			104262	04/18/13 13:27	SMB	TAL HOU
Total/NA	Analysis	8081A		1	104388	04/18/13 23:07	JAL	TAL HOU
Total/NA	Prep	7471A			104163	04/17/13 13:00	MJT	TAL HOU
Total/NA	Analysis	7471A		1	104220	04/18/13 08:55	JB	TAL HOU
Total/NA	Prep	3050B			104293	04/18/13 16:28	NER	TAL HOU
Total/NA	Analysis	6010B		1	104394	04/19/13 16:28	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TB-1

Lab Sample ID: 600-71692-34

Date Collected: 04/15/13 00:00
Date Received: 04/17/13 08:43

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104326	04/18/13 19:12	KLV	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-1

Client Sample ID: TB-2
Date Collected: 04/15/13 00:00
Date Received: 04/17/13 08:43

Lab Sample ID: 600-71692-35
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	104326	04/18/13 19:38	KLV	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-71692-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmeri

THE LEADER IN ENVIRONMENT

600-71692 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225417
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	4 oz	RCRA 8 Lead	VOCs 8260	SVOCs 8270	TPH TX1005	Pb, Cd only	Special Instructions/ Conditions of Receipt
TP-4 1'	4/15/13	0915				X	X						X	X	X	X	X		
TP-4 5'		0935																	
TP-8 1'		1000																X	
TP-8 3'		1010												X	X	X	X		MS/MSD
TP-8 5'		1020																	
TP-4 5' Dup		0935																	
TP-7 1'		1045																X	
TP-7 2'		1100												X	X	X	X		
TP-7 3'		1055																	
TP-6 1'		1110																X	
TP-6 2.5'		1130												X	X	X	X		
TP-6 3.5		1135																	

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	4/16/13	1510	M McCown	4/16/13	1510
2.	M McCown	4/16/13	1700	Nina Cupps	4/17/13	843
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225418
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	4°	RCRA 8 6010	VOCs 8260	SVOCs 8270	TPH TX1005	Pb, Cd Only	Special Instructions/ Conditions of Receipt
TP-6 3.5' Dup	4/15/13	1135				X	X						X	X	X	X	X		
TP-6 3'		1205				X	X						X						
TP-1 1'		1405				X	X						X						
TP-1 2'		1410				X	X						X						
TP-5 1'		1200				X	X						X						
TP-2 1'		1435				X	X						X				X		
TP-3 1.5'		1445				X	X						X				X		
TP-3 0.5'		1500				X	X						X				X		MS/MSD
TP-4 0.5'		1505				X	X						X				X		
TP-4 1.5'		1510				X	X						X				X		
TP-10 1'		1550				X	X						X	X	X	X	X		
TP-11 1'	↓	1600				X	X						X	X	X	X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

1. Relinquished By	Tim Nickels	4/16/13	1510	1. Received By	4/16/13 1510
2. Relinquished By		4/16/13	1700	2. Received By	4/17/13 843
3. Relinquished By		Date	Time	3. Received By	Date Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225419
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide JCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	4°	RCRA8 6010	VOCs 8260	SVOCs 8270	TPH TX1005	Pb, Cd only	Cd, Pb, Cr + Ni	Resh. Hg 7470		
TP-11 1' Dup	4/15/13	1600				X	X						X	X	X	X	X		X			
TP-12 1'	↓	1615				X	X						X	↓	↓	↓	↓					
TP-13 1'	↓	1620				X	X						X	↓	↓	↓	↓					
CF-1	4/16/13	0815				X	X						X	X	X	X	X		X			
CF-1 Dup	↓	0815				↓	↓						↓	↓	↓	↓	↓		↓			
CF-2		0830				↓	↓						↓	↓	↓	↓	↓					
CF-3		0840				↓	↓						↓	↓	↓	↓	↓					
CF-4		0855				↓	↓						↓	↓	↓	↓	↓					
Cistern		0950				X	X						X	X	X	X	X			X	X	
TB-1	—	—	X							X					X							
TB-2	—	—	X							X					X							

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	4/16/13	1510	1. Received By:	4/16/13	1510
2. Relinquished By:	4/16/13	1710	2. Received By:	4/17/13	843
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-1

Login Number: 71692

List Number: 1

Creator: Capps, Dana

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-71692-2
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/1/2013 6:13:39 PM
Cathy Upton
Data Delivery Analyst
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar
Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-71692-2

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/01/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104808- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104808- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	1
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104808- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-71692-2

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-71692-2

Comments
No additional comments.

Receipt
The samples were received on 4/17/2013 8:43 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 2.5º C and 3.6º C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-71692-9	TP-7 3'	Solid	04/15/13 10:55	04/17/13 08:43
600-71692-28	CF-1	Solid	04/16/13 08:15	04/17/13 08:43
600-71692-33	Cistern	Solid	04/16/13 09:50	04/17/13 08:43

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Client Sample ID: TP-7 3'
Lab Sample ID: 600-71692-9
Date Collected: 04/15/13 10:55
Matrix: Solid
Date Received: 04/17/13 08:43

Method: 6010B - Metals (ICP) - SPLP West

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/26/13 08:30	04/26/13 14:32	1

Client Sample ID: CF-1
Lab Sample ID: 600-71692-28
Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43

Method: 6010B - Metals (ICP) - SPLP West

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.198		0.0100	0.00145	mg/L		04/26/13 08:30	04/26/13 14:41	1

Client Sample ID: Cistern
Lab Sample ID: 600-71692-33
Date Collected: 04/16/13 09:50
Matrix: Solid
Date Received: 04/17/13 08:43

Method: 6010B - Metals (ICP) - SPLP West

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00490	J	0.0100	0.00328	mg/L		04/26/13 08:30	04/26/13 14:43	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104808/1-A
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104808

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/26/13 08:30	04/26/13 13:47	1
Copper	0.00145	U	0.0100	0.00145	mg/L		04/26/13 08:30	04/26/13 13:47	1

Lab Sample ID: LCS 600-104808/2-A
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104808

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	0.9173		mg/L		92	80 - 120
Copper	1.00	0.9337		mg/L		93	80 - 120

Lab Sample ID: LB 600-104789/1-B LB
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: Method Blank
Prep Type: SPLP West
Prep Batch: 104808

Analyte	LB Result	LB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/26/13 08:30	04/26/13 14:29	1
Copper	0.00145	U	0.0100	0.00145	mg/L		04/26/13 08:30	04/26/13 14:29	1

Lab Sample ID: 600-71692-9 MS
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: TP-7 3'
Prep Type: SPLP West
Prep Batch: 104808

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00328	U	1.00	0.9169		mg/L		92	75 - 125
Copper	0.00145		1.00	0.9145		mg/L		91	75 - 125

Lab Sample ID: 600-71692-9 MSD
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: TP-7 3'
Prep Type: SPLP West
Prep Batch: 104808

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.00328	U	1.00	0.9112		mg/L		91	75 - 125	1	20
Copper	0.00145		1.00	0.9180		mg/L		92	75 - 125	0	20

Lab Sample ID: 600-71692-9 DU
Matrix: Solid
Analysis Batch: 104835

Client Sample ID: TP-7 3'
Prep Type: SPLP West
Prep Batch: 104808

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.00328	U	0.003400	J	mg/L		NC	20
Copper	0.00145		0.00145	U	mg/L		NC	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Method: 6010B - Metals (ICP) - SPLP West

Analyte	MQL	MDL	Units	Method
Arsenic	0.0100	0.00328	mg/L	6010B
Copper	0.0100	0.00145	mg/L	6010B

QC Association Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Metals

Leach Batch: 104789

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-9	TP-7 3'	SPLP West	Solid	1312	
600-71692-9 DU	TP-7 3'	SPLP West	Solid	1312	
600-71692-9 MS	TP-7 3'	SPLP West	Solid	1312	
600-71692-9 MSD	TP-7 3'	SPLP West	Solid	1312	
600-71692-28	CF-1	SPLP West	Solid	1312	
600-71692-33	Cistern	SPLP West	Solid	1312	
LB 600-104789/1-B LB	Method Blank	SPLP West	Solid	1312	

Prep Batch: 104808

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-9	TP-7 3'	SPLP West	Solid	3010A	104789
600-71692-9 DU	TP-7 3'	SPLP West	Solid	3010A	104789
600-71692-9 MS	TP-7 3'	SPLP West	Solid	3010A	104789
600-71692-9 MSD	TP-7 3'	SPLP West	Solid	3010A	104789
600-71692-28	CF-1	SPLP West	Solid	3010A	104789
600-71692-33	Cistern	SPLP West	Solid	3010A	104789
LB 600-104789/1-B LB	Method Blank	SPLP West	Solid	3010A	104789
LCS 600-104808/2-A	Lab Control Sample	Total/NA	Solid	3010A	
MB 600-104808/1-A	Method Blank	Total/NA	Solid	3010A	

Analysis Batch: 104835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71692-9	TP-7 3'	SPLP West	Solid	6010B	104808
600-71692-9 DU	TP-7 3'	SPLP West	Solid	6010B	104808
600-71692-9 MS	TP-7 3'	SPLP West	Solid	6010B	104808
600-71692-9 MSD	TP-7 3'	SPLP West	Solid	6010B	104808
600-71692-28	CF-1	SPLP West	Solid	6010B	104808
600-71692-33	Cistern	SPLP West	Solid	6010B	104808
LB 600-104789/1-B LB	Method Blank	SPLP West	Solid	6010B	104808
LCS 600-104808/2-A	Lab Control Sample	Total/NA	Solid	6010B	104808
MB 600-104808/1-A	Method Blank	Total/NA	Solid	6010B	104808

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71692-2

Client Sample ID: TP-7 3'

Lab Sample ID: 600-71692-9

Date Collected: 04/15/13 10:55
Matrix: Solid
Date Received: 04/17/13 08:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP West	Leach	1312			104789	04/25/13 14:50	CD	TAL HOU
SPLP West	Prep	3010A			104808	04/26/13 08:30	DCL	TAL HOU
SPLP West	Analysis	6010B		1	104835	04/26/13 14:32	DCL	TAL HOU

Client Sample ID: CF-1

Lab Sample ID: 600-71692-28

Date Collected: 04/16/13 08:15
Matrix: Solid
Date Received: 04/17/13 08:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP West	Leach	1312			104789	04/25/13 14:50	CD	TAL HOU
SPLP West	Prep	3010A			104808	04/26/13 08:30	DCL	TAL HOU
SPLP West	Analysis	6010B		1	104835	04/26/13 14:41	DCL	TAL HOU

Client Sample ID: Cistern

Lab Sample ID: 600-71692-33

Date Collected: 04/16/13 09:50
Matrix: Solid
Date Received: 04/17/13 08:43

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
SPLP West	Leach	1312			104789	04/25/13 14:50	CD	TAL HOU
SPLP West	Prep	3010A			104808	04/26/13 08:30	DCL	TAL HOU
SPLP West	Analysis	6010B		1	104835	04/26/13 14:43	DCL	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-71692-2
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmeI
THE LEADER IN ENVIRONMENT

600-71692 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225417
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: RCRA 8 6010	VOCs 8260	SVOCs 8270	TCLP TX1005 Pb, Cd only	Special Instructions/ Conditions of Receipt
TP-4 1'	4/15/13	0915				X	X						X	X	X	X	
TP-4 5'		0935															
TP-8 1'		1000														X	
TP-8 3'		1010											X	X	X		MS/MSD
TP-8 5'		1020															
TP-4 5' Dup		0935															
TP-7 1'		1045														X	
TP-7 2'		1100											X	X	X		
TP-7 3'		1055															
TP-6 1'		1110														X	
TP-6 2.5'		1130											X	X	X		
TP-6 3.5		1135															

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.	Tim Nickels	4/16/13	1510	McCown	4/16/13	1510
2.	McCown	4/16/13	1700	Vina Cupps	4/17/13	843
3.						

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/1/2013

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225418
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	40	Analysis: RCRA8 6010	VOCs 8260	SVOCs 8270	TPH TX1005	Pb, Cd Only	Special Instructions/ Conditions of Receipt
TP-6 3.5' Dup	4/15/13	1135				X	X						X	X	X	X	X		
TP-6 3'		1205				X	X						X						
TP-1 1'		1405				X	X						X						
TP-1 2'		1410				X	X						X						
TP-5 1'		1200				X	X						X						
TP-2 1'		1435				X	X						X				X		
TP-3 1.5'		1445				X	X						X				X		
TP-3 0.5'		1500				X	X						X				X		MS/MSD
TP-4 0.5'		1505				X	X						X				X		
TP-4 1.5'		1510				X	X						X				X		
TP-10 1'		1550				X	X						X	X	X	X	X		
TP-11 1'	↓	1600				X	X						X	X	X	X	X		

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

1. Relinquished By	Tim Nickels	4/16/13	1510	1. Received By	4/16/13 1510
2. Relinquished By		4/16/13	1700	2. Received By	4/17/13 843
3. Relinquished By				3. Received By	

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/15/13	225419
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 3 of 3**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide JCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	4°	RCRA8 6010	VOCs 8260	SVOCs 8270	TPH TX1005	Pb, Cd only	Cr, Ni, Cu, Zn	Resh.	Hg 7470	Special Instructions/ Conditions of Receipt
TP-11 1' Dup	4/15/13	1600				X	X						X	X	X	X	X		X			
TP-12 1'	↓	1615				X	X						X	↓	↓	↓	↓					
TP-13 1'	↓	1620				X	X						X	↓	↓	↓	↓					
CF-1	4/16/13	0815				X	X						X	X	X	X	X		X			
CF-1 Dup	↓	0815				↓	↓						↓	↓	↓	↓	↓		↓			
CF-2		0830																				
CF-3		0840																				
CF-4		0855				↓	↓						↓	↓	↓	↓	↓					
Cistern		0950				X	X						X	X	X	X	X			X	X	
TB-1	—	—		X						X					X							
TB-2	—	—		X						X					X							

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)
TRRP-13

	Date	Time		Date	Time
1. Relinquished By: Tim Nickels	4/16/13	1510	1. Received By:	4/16/13	1510
2. Relinquished By:	4/16/13	1710	2. Received By:	4/17/13	843
3. Relinquished By:			3. Received By:		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-2

Login Number: 71692

List Number: 1

Creator: Capps, Dana

List Source: TestAmerica Houston

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

Job Number: 600-71692-3

Job Description: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, TX 78664

Attention: Mr. Tim Nickels

Approved for release.
Cathy L Upton
Data Delivery Analyst
5/9/2013 4:52 PM

Designee for
Sachin G Kudchadkar, Project Manager II
6310 Rothway Street, Houston, TX, 77040
(713)690-4444
sachin.kudchadkar@testamericainc.com
05/09/2013

cc: Cheryl Cunningham
Eric Pastor
Roberta Russell
Ms. Taryn Scholz
Mr. William Vienne

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Project Manager.

TestAmerica Houston Certifications and Approvals: TX NELAP T104704223-09A-TX, ARDEQ 88-0759, LADEQ 01967, OKDEQ 9503, UT DOH GULF

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-71692-3

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-3
Reviewer Name: TWR	Prep Batch Number(s): 600-105112- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-3
Reviewer Name: TWR	Prep Batch Number(s): 600-105112- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	1
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71692-3
Reviewer Name: TWR	Prep Batch Number(s): 600-105112- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Comments
No additional comments.

Receipt
The samples were received on 4/17/2013 8:43 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 2.5º C and 3.6º C.

METHOD SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Metals (ICP)	TAL HOU	SW846 6010B	
SPLP Extraction	TAL HOU		SW846 1312
Preparation, Total Metals	TAL HOU		SW846 3010A

Lab References:

TAL HOU = TestAmerica Houston

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Method	Analyst	Analyst ID
SW846 6010B	Lige, Derrick C	DCL

SAMPLE SUMMARY

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
600-71692-23	TP-10 1'	Solid	04/15/2013 1550	04/17/2013 0843

SAMPLE RESULTS

Pastor, Behling & Wheeler LLC
ATTN: Mr. Tim Nickels

Job Number: 600-71692-3
Project: Exide Recycling Center, Frisco TX Projec
SDG Number: Exide Recycling Center, Frisco TX Projec

Client Sample ID: TP-10 1'

Lab Sample ID: 600-71692-23
Client Matrix: Solid

Date Sampled: 04/15/2013 15:50
Date Received: 04/17/2013 08:43

Test Method	CAS Number	Result	Q	Flag	MDL	MQL	SDL	Unit	Batch	Analysis Date/Time	D.F.	Analyst
Method: SW846 3010A,Solid,SPLP West												
Preparation, Total Metals		Complete							105112	05/01/2013 09:03		NER
Method: SW846 6010B,Solid,SPLP West												
Arsenic	7440-38-2	0.00850	J		0.00328	0.0100	0.00328	mg/L	105126	05/01/2013 17:18	1	DCL

DATA REPORTING QUALIFIERS

Client: Pastor, Behling & Wheeler LLC Job Number: 600-71692-3

Lab Section	Qualifier	Description
Metals		
	U	Analyte was not detected at or above the SDL.
	J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

QUALITY CONTROL RESULTS

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 600-105101					
LB 600-105101/1-B	TCLP SPLPE Leachate Blank	W	Solid	1312	
600-71692-23	TP-10 1'	W	Solid	1312	
600-71692-23DU	Duplicate	W	Solid	1312	
600-71692-23MS	Matrix Spike	W	Solid	1312	
600-71692-23MSD	Matrix Spike Duplicate	W	Solid	1312	
Prep Batch: 600-105112					
LCS 600-105112/2-A	Lab Control Sample	T	Water	3010A	
MB 600-105112/1-A	Method Blank	T	Water	3010A	
LB 600-105101/1-B	TCLP SPLPE Leachate Blank	W	Solid	3010A	600-105101
600-71692-23	TP-10 1'	W	Solid	3010A	600-105101
600-71692-23DU	Duplicate	W	Solid	3010A	600-105101
600-71692-23MS	Matrix Spike	W	Solid	3010A	600-105101
600-71692-23MSD	Matrix Spike Duplicate	W	Solid	3010A	600-105101
Analysis Batch:600-105126					
LB 600-105101/1-B	TCLP SPLPE Leachate Blank	W	Solid	6010B	600-105112
LCS 600-105112/2-A	Lab Control Sample	T	Water	6010B	600-105112
MB 600-105112/1-A	Method Blank	T	Water	6010B	600-105112
600-71692-23	TP-10 1'	W	Solid	6010B	600-105112
600-71692-23DU	Duplicate	W	Solid	6010B	600-105112
600-71692-23MS	Matrix Spike	W	Solid	6010B	600-105112
600-71692-23MSD	Matrix Spike Duplicate	W	Solid	6010B	600-105112

Report Basis

W = SPLP West

T = Total

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Method Blank - Batch: 600-105112

Method: 6010B
Preparation: 3010A

Lab Sample ID:	MB 600-105112/1-A	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Water	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1711	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Arsenic	0.00328	U	0.00328	0.0100

TCLP SPLPE Leachate Blank - Batch: 600-105112

Method: 6010B
Preparation: 3010A
SPLP West

Lab Sample ID:	LB 600-105101/1-B	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	600-105101	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1716	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	04/30/2013 1400				

Analyte	Result	Qual	MDL	RL
Arsenic	0.00328	U	0.00328	0.0100

Lab Control Sample - Batch: 600-105112

Method: 6010B
Preparation: 3010A

Lab Sample ID:	LCS 600-105112/2-A	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Water	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1714	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Arsenic	1.00	0.9199	92	80 - 120	

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-105112

Method: 6010B
Preparation: 3010A
SPLP West

MS Lab Sample ID:	600-71692-23	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	600-105101	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1723			Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	04/30/2013 1400				

MSD Lab Sample ID:	600-71692-23	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	600-105101	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1725			Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	04/30/2013 1400				

	% Rec.						
Analyte	MS	MSD	Limit	RPD	RPD Limit	MS Qual	MSD Qual
Arsenic	95	94	75 - 125	1	20		

Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 600-105112

Method: 6010B
Preparation: 3010A
SPLP West

MS Lab Sample ID:	600-71692-23	Units:	mg/L	MSD Lab Sample ID:	600-71692-23
Client Matrix:	Solid			Client Matrix:	Solid
Dilution:	1.0			Dilution:	1.0
Analysis Date:	05/01/2013 1723			Analysis Date:	05/01/2013 1725
Prep Date:	05/01/2013 0903			Prep Date:	05/01/2013 0903
Leach Date:	04/30/2013 1400			Leach Date:	04/30/2013 1400

Analyte	Sample Result/Qual		MS Spike Amount	MSD Spike Amount	MS Result/Qual	MSD Result/Qual
Arsenic	0.00850	J	1.00	1.00	0.9541	0.9476

Duplicate - Batch: 600-105112

Method: 6010B
Preparation: 3010A
SPLP West

Lab Sample ID:	600-71692-23	Analysis Batch:	600-105126	Instrument ID:	Thermo6500
Client Matrix:	Solid	Prep Batch:	600-105112	Lab File ID:	A050113.asc
Dilution:	1.0	Leach Batch:	600-105101	Initial Weight/Volume:	50 mL
Analysis Date:	05/01/2013 1721	Units:	mg/L	Final Weight/Volume:	50 mL
Prep Date:	05/01/2013 0903				
Leach Date:	04/30/2013 1400				

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Arsenic	0.00850	J	0.009100	7	20	J

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71692-3

Login Number: 71692

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5/3.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-71753-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/9/2013 5:17:28 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-71753

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Donnie Combs		4/25/13
Name (printed)	Signature	Date
Quality Control Assistant		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71753
Reviewer Name: TWR	Prep Batch Number(s): 600-104468- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X			1
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	2
		Were MS/MSD RPDs within laboratory QC limits?				X	2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	3
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71753
Reviewer Name: TWR	Prep Batch Number(s): 600-104468- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	4
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/23/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-71753
Reviewer Name: TWR	Prep Batch Number(s): 600-104468- ICP

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	The laboratory selected a sample from another group to perform as the MS/MSD.
3	The laboratory selected a sample from another group to perform as the DUP.
4	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-71753-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-71753-1

Comments
No additional comments.

Receipt
The samples were received on 4/19/2013 9:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 3.2º C and 14.0º C.

Except:

The following sample(s) was listed on the Chain of Custody (COC); however, no sample(s) was received: 600-71753 samples 1-4 and sample 6 including MS/MSD.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-71753-1	TP-16 (1-2)	Solid	04/16/13 10:45	04/18/13 08:50
600-71753-2	TP-15 1'	Solid	04/16/13 10:55	04/18/13 08:50
600-71753-3	TP-14 1'	Solid	04/16/13 11:05	04/18/13 08:50
600-71753-4	SCSS	Solid	04/16/13 16:45	04/18/13 08:50
600-71753-5	TP-19 2'	Solid	04/17/13 08:30	04/18/13 08:50
600-71753-7	TP-17 1.5'	Solid	04/17/13 00:09	04/18/13 08:50
600-71753-8	TP-31 2'	Solid	04/17/13 09:20	04/18/13 08:50
600-71753-9	TP-31 2' Dup	Solid	04/17/13 09:20	04/18/13 08:50
600-71753-10	TP-28 1.5'	Solid	04/17/13 09:30	04/18/13 08:50
600-71753-11	TP-29 2'	Solid	04/17/13 09:45	04/18/13 08:50
600-71753-12	TP-30 2.5'	Solid	04/17/13 11:45	04/18/13 08:50

Client Sample ID: TP-16 (1-2)

Lab Sample ID: 600-71753-1
Date Collected: 04/16/13 10:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.24		0.272	0.0279	mg/Kg	☼	04/22/13 12:12	04/23/13 10:50	1
Lead	22.1		0.545	0.114	mg/Kg	☼	04/22/13 12:12	04/23/13 10:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			04/21/13 10:03	1
Percent Solids	86		1.0	1.0	%			04/21/13 10:03	1

Client Sample ID: TP-15 1'

Lab Sample ID: 600-71753-2
Date Collected: 04/16/13 10:55
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 87.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.10		0.274	0.0281	mg/Kg	☼	04/22/13 12:12	04/23/13 10:53	1
Lead	219		0.549	0.115	mg/Kg	☼	04/22/13 12:12	04/23/13 10:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			04/21/13 10:03	1
Percent Solids	88		1.0	1.0	%			04/21/13 10:03	1

Client Sample ID: TP-14 1'

Lab Sample ID: 600-71753-3
Date Collected: 04/16/13 11:05
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 88.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.351		0.274	0.0281	mg/Kg	☼	04/22/13 12:12	04/23/13 10:55	1
Lead	106		0.548	0.115	mg/Kg	☼	04/22/13 12:12	04/23/13 10:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	11		1.0	1.0	%			04/21/13 10:03	1
Percent Solids	89		1.0	1.0	%			04/21/13 10:03	1

Client Sample ID: SCSS

Lab Sample ID: 600-71753-4
Date Collected: 04/16/13 16:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 75.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	12.9		0.311	0.0319	mg/Kg	☼	04/22/13 12:12	04/23/13 11:05	1
Lead	1620		0.622	0.130	mg/Kg	☼	04/22/13 12:12	04/23/13 11:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	24		1.0	1.0	%			04/21/13 10:03	1
Percent Solids	76		1.0	1.0	%			04/21/13 10:03	1

Client Sample ID: TP-19 2'
Lab Sample ID: 600-71753-5
Date Collected: 04/17/13 08:30
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 88.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.393		0.273	0.0280	mg/Kg	☼	04/22/13 12:12	04/23/13 11:08	1
Lead	10.6		0.545	0.114	mg/Kg	☼	04/22/13 12:12	04/23/13 11:08	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	88		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-17 1.5'
Lab Sample ID: 600-71753-7
Date Collected: 04/17/13 00:09
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 90.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.325		0.262	0.0269	mg/Kg	☼	04/22/13 12:12	04/23/13 11:10	1
Lead	13.1		0.524	0.110	mg/Kg	☼	04/22/13 12:12	04/23/13 11:10	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.9		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	90		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-31 2'
Lab Sample ID: 600-71753-8
Date Collected: 04/17/13 09:20
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 87.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.213	J	0.280	0.0287	mg/Kg	☼	04/22/13 12:12	04/23/13 11:13	1
Lead	13.9		0.560	0.117	mg/Kg	☼	04/22/13 12:12	04/23/13 11:13	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	88		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-31 2' Dup
Lab Sample ID: 600-71753-9
Date Collected: 04/17/13 09:20
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 84.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.254	J	0.277	0.0284	mg/Kg	☼	04/22/13 12:12	04/23/13 11:15	1
Lead	14.7		0.553	0.116	mg/Kg	☼	04/22/13 12:12	04/23/13 11:15	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	84		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-28 1.5'
Lab Sample ID: 600-71753-10
Date Collected: 04/17/13 09:30
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.273	J	0.285	0.0292	mg/Kg	☼	04/22/13 12:12	04/23/13 11:18	1
Lead	19.6		0.570	0.119	mg/Kg	☼	04/22/13 12:12	04/23/13 11:18	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	84		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-29 2'
Lab Sample ID: 600-71753-11
Date Collected: 04/17/13 09:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 83.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.303		0.292	0.0299	mg/Kg	☼	04/22/13 12:12	04/23/13 11:20	1
Lead	25.3		0.583	0.122	mg/Kg	☼	04/22/13 12:12	04/23/13 11:20	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	83		1.0	1.0	%			04/18/13 11:53	1

Client Sample ID: TP-30 2.5'
Lab Sample ID: 600-71753-12
Date Collected: 04/17/13 11:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 86.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.230	J	0.274	0.0281	mg/Kg	☼	04/22/13 12:12	04/23/13 11:23	1
Lead	19.1		0.548	0.115	mg/Kg	☼	04/22/13 12:12	04/23/13 11:23	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			04/18/13 11:53	1
Percent Solids	86		1.0	1.0	%			04/18/13 11:53	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104468/1-A
Matrix: Solid
Analysis Batch: 104562

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104468

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/22/13 12:12	04/23/13 10:34	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/22/13 12:12	04/23/13 10:34	1

Lab Sample ID: LCSSRM 600-104468/2-A
Matrix: Solid
Analysis Batch: 104562

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104468

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	92.38		mg/Kg		89.7	83.6 - 115.5
Lead	76.9	72.56		mg/Kg		94.4	81.3 - 118.7

Method: Moisture - Percent Moisture

Lab Sample ID: 600-71753-9 DU
Matrix: Solid
Analysis Batch: 104248

Client Sample ID: TP-31 2' Dup
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		16		%		2	20
Percent Solids	84		84		%		0.4	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 104468

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71753-1	TP-16 (1-2)	Total/NA	Solid	3050B	
600-71753-2	TP-15 1'	Total/NA	Solid	3050B	
600-71753-3	TP-14 1'	Total/NA	Solid	3050B	
600-71753-4	SCSS	Total/NA	Solid	3050B	
600-71753-5	TP-19 2'	Total/NA	Solid	3050B	
600-71753-7	TP-17 1.5'	Total/NA	Solid	3050B	
600-71753-8	TP-31 2'	Total/NA	Solid	3050B	
600-71753-9	TP-31 2' Dup	Total/NA	Solid	3050B	
600-71753-10	TP-28 1.5'	Total/NA	Solid	3050B	
600-71753-11	TP-29 2'	Total/NA	Solid	3050B	
600-71753-12	TP-30 2.5'	Total/NA	Solid	3050B	
LCSSRM 600-104468/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-104468/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 104562

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71753-1	TP-16 (1-2)	Total/NA	Solid	6010B	104468
600-71753-2	TP-15 1'	Total/NA	Solid	6010B	104468
600-71753-3	TP-14 1'	Total/NA	Solid	6010B	104468
600-71753-4	SCSS	Total/NA	Solid	6010B	104468
600-71753-5	TP-19 2'	Total/NA	Solid	6010B	104468
600-71753-7	TP-17 1.5'	Total/NA	Solid	6010B	104468
600-71753-8	TP-31 2'	Total/NA	Solid	6010B	104468
600-71753-9	TP-31 2' Dup	Total/NA	Solid	6010B	104468
600-71753-10	TP-28 1.5'	Total/NA	Solid	6010B	104468
600-71753-11	TP-29 2'	Total/NA	Solid	6010B	104468
600-71753-12	TP-30 2.5'	Total/NA	Solid	6010B	104468
LCSSRM 600-104468/2-A	Lab Control Sample	Total/NA	Solid	6010B	104468
MB 600-104468/1-A	Method Blank	Total/NA	Solid	6010B	104468

General Chemistry

Analysis Batch: 104248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71753-5	TP-19 2'	Total/NA	Solid	Moisture	
600-71753-7	TP-17 1.5'	Total/NA	Solid	Moisture	
600-71753-8	TP-31 2'	Total/NA	Solid	Moisture	
600-71753-9	TP-31 2' Dup	Total/NA	Solid	Moisture	
600-71753-9 DU	TP-31 2' Dup	Total/NA	Solid	Moisture	
600-71753-10	TP-28 1.5'	Total/NA	Solid	Moisture	
600-71753-11	TP-29 2'	Total/NA	Solid	Moisture	
600-71753-12	TP-30 2.5'	Total/NA	Solid	Moisture	

Analysis Batch: 104424

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-71753-1	TP-16 (1-2)	Total/NA	Solid	Moisture	
600-71753-2	TP-15 1'	Total/NA	Solid	Moisture	
600-71753-3	TP-14 1'	Total/NA	Solid	Moisture	
600-71753-4	SCSS	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Client Sample ID: TP-16 (1-2)

Lab Sample ID: 600-71753-1
Date Collected: 04/16/13 10:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 10:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104424	04/21/13 10:03	MB	TAL HOU

Client Sample ID: TP-15 1'

Lab Sample ID: 600-71753-2
Date Collected: 04/16/13 10:55
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 87.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 10:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104424	04/21/13 10:03	MB	TAL HOU

Client Sample ID: TP-14 1'

Lab Sample ID: 600-71753-3
Date Collected: 04/16/13 11:05
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 88.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 10:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104424	04/21/13 10:03	MB	TAL HOU

Client Sample ID: SCSS

Lab Sample ID: 600-71753-4
Date Collected: 04/16/13 16:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 75.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104424	04/21/13 10:03	MB	TAL HOU

Client Sample ID: TP-19 2'

Lab Sample ID: 600-71753-5
Date Collected: 04/17/13 08:30
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 88.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:08	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Client Sample ID: TP-17 1.5'

Lab Sample ID: 600-71753-7

Date Collected: 04/17/13 00:09
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 90.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:10	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-31 2'

Lab Sample ID: 600-71753-8

Date Collected: 04/17/13 09:20
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 87.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:13	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-31 2' Dup

Lab Sample ID: 600-71753-9

Date Collected: 04/17/13 09:20
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:15	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-28 1.5'

Lab Sample ID: 600-71753-10

Date Collected: 04/17/13 09:30
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:18	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Client Sample ID: TP-29 2'

Lab Sample ID: 600-71753-11

Date Collected: 04/17/13 09:45
Matrix: Solid
Date Received: 04/18/13 08:50
Percent Solids: 83.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:20	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Client Sample ID: TP-30 2.5'
Date Collected: 04/17/13 11:45
Date Received: 04/18/13 08:50

Lab Sample ID: 600-71753-12
Matrix: Solid
Percent Solids: 86.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104468	04/22/13 12:12	NER	TAL HOU
Total/NA	Analysis	6010B		1	104562	04/23/13 11:23	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104248	04/18/13 11:53	AS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-71753-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAr

THE LEADER IN ENV

600-71753 Chain of Custody

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
PBW LLC	Tim Nickels	4/16/13	225360
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
	512-671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	1	Pb, Cd	Special Instructions/ Conditions of Receipt
TP-16 (1-2)	4/16/13	1045				X	X								
TP-15 1'		1055													
TP-14 1'		1105													
~~Eisten~~		1025													
SCSS		1645				X	X							X	
TP-19 2'	4/17/13	0830													
TP-18 1.5'		0850													MS/MSD
TP-17 1.5'		0900													
TP-31 2'		0920													
TP-31 2' Dup		0920													
TP-28 1.5'		0930													
TP-29 2'		0945													

Possible Hazard Identification

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal

☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

TRRP-13

	Relinquished By	Date	Time	Received By	Date	Time
1.		4/17/13	1500		4/17/13	1500
2.		4/17/13	1730			
3.					04/18/13	0850

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: PBW LLC	Project Manager: Tina McCaels	Date: 4/17/13	Chain of Custody Number: 225420
Address:	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 2 of 2
City:	State:	Zip Code:	Site Contact:	Lab Contact:
Project Name and Location (State): Exide UCP	Carrier/Waybill Number:	
Contract/Purchase Order/Quote No.: 1824		

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	4°	Pb Cd
TP-30 2.5	4/17/13	1145				X	X						X	X

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☒ Archive For 6 Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4/17/13	1500	1. Received By	4/17/13	1500
2. Relinquished By	4/17/13	1730	2. Received By		
3. Relinquished By			3. Received By	4/18/13	0850

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/9/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-71753-1

Login Number: 71753

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.2/14.0
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

PROJECT:	Exide Undeveloped Buffer Property Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Grid Sampling – April 2013	
INTENDED USE:	Evaluation and Delineation of Soils	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-72124-1	
TESTS/ METHODS:	pH Total Metals (Cd and Pb)	SW846 9045C SW846 3050B/6010B
SAMPLES REVIEWED:	12 soil samples, 1 laboratory MS/MSD/MD for metals, 2 laboratory MD for pH (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports; and
- Laboratory Electronic Data Deliverable (EDD).

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and $\pm$MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13. A list of all qualified results and definitions of the qualifier and bias codes are given in Table 2.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each applicable analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each

analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs.

2. Usability of Qualified Data – There are no major QC deficiencies, and thus all data is usable as qualified for the intended use. As shown in Table 2, the reviewer qualified two detects as estimated (J) due to a minor QC deficiency. Results that are estimated can be used for determining the presence of the analyte. However, the concentration reported for these detects may be either low or high. Additionally, any results with a laboratory J-flag (i.e., at a concentration between the SDL and MQL) should be considered estimates. The actual value is not expected to exceed the sample MQL.

QAA Reviewer:	Taryn G. Scholz	5/10/13
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data package contains all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contains all sample results in acceptable format. The data package required a minor revision, as detailed in the laboratory narrative.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody record is complete and agrees with that in the laboratory report, except as follows: • The sample matrix and preservation are not indicated on the custody record. These soil samples require no chemical preservation and were received in good condition at the proper temperature. Thus, no further action was taken. The reviewer also confirmed that all tests are reported as requested on the custody record and found no issues.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation, except as follows: • The analytical method used for pH measurement (i.e., SW846 9045C) states that the samples should be analyzed as soon as possible, which has been clarified by EPA as 15-minutes per the laboratory narrative. This is only possible for field pH measurement. Each of the ten soil samples was analyzed for pH after receipt at the laboratory with the pH measurement performed directly after sample preparation (dissolution of the soil in water with settling time per the analytical method). Thus, the reviewer determined that data qualification is not necessary.
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a shipping cooler with ice for pickup by the laboratory courier and overnight delivery to the laboratory.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL and the EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in SU for pH and in mg/kg with dry-weight correction for metals. Non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. The concentration reported for detects between the SDL and MQL is below the calibration range and thus is considered estimated. None of the samples required dilution, and thus there are no elevated reporting limits for non-detects.
MQLs	The LORPs have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. The Unadjusted MQLs for the laboratory are at or below the LORPs for each metal.
MDLs	According to the LRC, an MDL study was performed for each applicable analyte (i.e., each metal), and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data package.

QC PARAMETER	QC OUTCOME
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blank, which confirms that no contamination was introduced in the laboratory.
Field QC Blanks	No field QC blanks were collected with the samples.
Laboratory Control Spike Recovery	The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. The LCS recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.
Matrix Spike Recovery	The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for the metals analytical batch and the spike solution contained all of the analytes. The MS/MSD was prepared using sample Q-16 from the site as shown in Table 1. The MS/MSD recoveries are within the TRRP recommended criteria, which indicates good accuracy for the preparation and analysis technique on the given sample matrix, except as follows: • The MSD recovery for Lead for the MS/MSD prepared using sample Q-16 is slightly below the 70-130% data quality criteria at 69%. The MS recovery passes at 76%. Since both the MS and MSD recoveries are above the data rejection limit of 30% and the average MS/MSD recovery is within control at 72.5%, there is no significant effect on data quality and the reviewer did not qualify the data.
Surrogate Recovery	Surrogates are not used for 9045C pH or 6010B metals analysis.
Laboratory Duplicate Precision	The laboratory prepared one Matrix Duplicate (MD) for each analytical batch plus one Matrix Spike Duplicate (MSD) for the metals analytical batch. RPDs are reported for MD and MSD prepared using a sample from the site, which includes three MD and one MSD for this event as shown in Table 1. The MD and MSD RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix.
Field Duplicate Precision	No field duplicates were collected with the samples.
Instrument Tuning	Instrument tuning is not required for 9045C pH or 6010B metals analysis.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists, except as follows: • The %difference for Lead for the serial dilution (SD) prepared using sample Q-16 (lab ID 600-72124-5) is above the laboratory acceptance limits due to matrix interference. No further details regarding the magnitude or direction of the exceedance are provided as serial dilutions are not a reportable data item. Per TRRP-13, samples in the analytical batch with results greater than 50x the SDL should be qualified as estimated. Thus, the reviewer qualified the Lead results for Q-16 and SSCA as estimated with an unknown bias (J).

QC PARAMETER	QC OUTCOME
Internal Standards	Internal standards are not used for 9045C pH or 6010B metals analysis.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID SAMPLING – APRIL 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						pH	Cd	Pb
600-72124-001	EF-15	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-001	EF-15	MD	Solid	4/24/13	1	104956	NA	NA
600-72124-002	E-20C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-003	HI-16	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-004	SCSSA	INV	Solid	4/24/13	1	NA	105038	105038
600-72124-005	Q-16	INV	Solid	4/24/13	1	NA	105038	105038
600-72124-005	Q-16	MS	Solid	4/24/13	1	NA	105038	105038
600-72124-005	Q-16	MSD	Solid	4/24/13	1	NA	105038	105038
600-72124-005	Q-16	MD	Solid	4/24/13	1	NA	105038	105038
600-72124-006	O-15C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-007	O-12C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-008	O-9C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-009	M-7C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-010	K-4C	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-011	DE-7	INV	Solid	4/24/13	1	104956	NA	NA
600-72124-011	DE-7	MD	Solid	4/24/13	1	104956	NA	NA
600-72124-012	BC-8	INV	Solid	4/24/13	1	104956	NA	NA

DF – Dilution Factor

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

TABLE 2

EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION

GRID SAMPLING – APRIL 2013

QUALIFIED SAMPLE RESULTS

Lab ID	Field ID	Sample Date	Analyte	Lab Result		DVQ	QC_Comment
600-72124-004	SCSSA	4/24/13	Lead	112	mg/Kg	J	Serial dilution %difference above laboratory limit
600-72124-005	Q-16	4/24/13	Lead	65.6	mg/Kg	J	Serial dilution %difference above laboratory limit

Note: In addition to the above results, all detects between the SDL and MQL (i.e., results with a laboratory J-flag) should be considered estimated since the reported concentration is below the calibration range.

U – Potentially contaminated; The analyte was not detected >5x (10x for common contaminants) the level in an associated blank.
UJ – Estimated data; The analyte was not detected above the reported Sample Detection Limit (SDL) however the SDL is approximate due to exceedance of one or more QC requirements.
J – Estimated data; The reported sample concentration is approximate due to exceedance of one or more QC requirements.
NJ – Tentatively identified, estimated data; The analysis indicates the presence of the analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R – Rejected data; Serious QC deficiencies make it impossible to verify the absence or presence of this analyte.
X7 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ does not offer accreditation for this analyte, in this matrix, analyzed by this method.

H – Bias in sample result is likely to be high
L – Bias in sample result is likely to be low

NOTE: For multiple deficiencies, the reviewer applied the most severe flag. (R>U>J>JL/JH and R>UJ>UJL)

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Method EPA 9038

Analyte	AB	Analyte ID	Method ID
Sulfate	TX	2000	10196608

Method EPA 9040

Analyte	AB	Analyte ID	Method ID
Corrosivity	TX	1615	10197203
pH	TX	1900	10197203

Method EPA 9045

Analyte	AB	Analyte ID	Method ID
pH	TX	1900	10198400

Method EPA 9050

Analyte	AB	Analyte ID	Method ID
Conductivity	TX	1610	10198808

Method EPA 9056

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10199209
Chloride	TX	1575	10199209
Fluoride	TX	1730	10199209
Nitrate as N	TX	1810	10199209
Nitrate-nitrite	TX	1820	10199209
Nitrite as N	TX	1840	10199209
Orthophosphate as P	TX	1870	10199209
Sulfate	TX	2000	10199209

Method EPA 9060

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10200201

Method EPA 9066

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10200609

Method EPA 9071

Analyte	AB	Analyte ID	Method ID

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72124-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 1

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/9/2013 12:23:16 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72124-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/03/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/2/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72124
Reviewer Name: BDG	Prep Batch Number(s): 104956 - pH

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?		X			1
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?			X		
		Were blanks analyzed at the appropriate frequency?			X		
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?			X		
		Were blank concentrations < MQL?			X		
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?			X		
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?			X		
		Were MS/MSD analyzed at the appropriate frequency?			X		
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?			X		
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?			X		
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?			X		
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X		
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/2/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72124
Reviewer Name: BDG	Prep Batch Number(s): 104956 - pH

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?			X		
		Is the MDL either adjusted or supported by the analysis of DCSs?			X		
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/2/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72124
Reviewer Name: BDG	Prep Batch Number(s): 104956 - pH

ER #[1]	DESCRIPTION
1	The EPA has clarified that the Analyzed Immediately holding time is fifteen minutes from sample collection time. As a result, the holding times for pH had already expired by the time the samples arrived at our laboratory.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/01/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72124
Reviewer Name: TWR	Prep Batch Number(s): 600-104928- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			1
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/01/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72124
Reviewer Name: TWR	Prep Batch Number(s): 600-104928- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X			2
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/01/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72124
Reviewer Name: TWR	Prep Batch Number(s): 600-104928- ICP

ER #[1]	DESCRIPTION
1	The lead recovery in sample 72124-5 MSD was below acceptance limits due to matrix interference. Method performance is demonstrated by an acceptable LCS recovery.
2	The lead percent difference between samples 72124-5 and 72124-5 SD was above acceptance limits due to matrix interference.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-72124-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72124-1

Comments
The report was revised on 05/09/13 to have the pH RPD show on the report for the second duplicate analysis.

Receipt
The samples were received on 4/25/2013 9:29 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.1° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
9045C	pH	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72124-1	EF-15	Solid	04/24/13 10:55	04/25/13 09:29
600-72124-2	E-20C	Solid	04/24/13 11:05	04/25/13 09:29
600-72124-3	HI-16	Solid	04/24/13 11:30	04/25/13 09:29
600-72124-4	SCSSA	Solid	04/24/13 11:47	04/25/13 09:29
600-72124-5	Q-16	Solid	04/24/13 12:08	04/25/13 09:29
600-72124-6	O-15C	Solid	04/24/13 12:28	04/25/13 09:29
600-72124-7	O-12C	Solid	04/24/13 12:47	04/25/13 09:29
600-72124-8	O-9C	Solid	04/24/13 13:03	04/25/13 09:29
600-72124-9	M-7C	Solid	04/24/13 13:15	04/25/13 09:29
600-72124-10	K-4C	Solid	04/24/13 13:30	04/25/13 09:29
600-72124-11	DE-7	Solid	04/24/13 13:54	04/25/13 09:29
600-72124-12	BC-8	Solid	04/24/13 14:04	04/25/13 09:29

Client Sample ID: EF-15
Lab Sample ID: 600-72124-1
Date Collected: 04/24/13 10:55
Matrix: Solid
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.51		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: E-20C
Lab Sample ID: 600-72124-2
Date Collected: 04/24/13 11:05
Matrix: Solid
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.86		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: HI-16
Lab Sample ID: 600-72124-3
Date Collected: 04/24/13 11:30
Matrix: Solid
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.53		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: SCSSA
Lab Sample ID: 600-72124-4
Date Collected: 04/24/13 11:47
Matrix: Solid
Date Received: 04/25/13 09:29
Percent Solids: 68.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.830		0.366	0.0375	mg/Kg	☼	04/29/13 09:06	04/30/13 11:46	1
Lead	112		0.732	0.153	mg/Kg	☼	04/29/13 09:06	04/30/13 11:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	32		1.0	1.0	%			04/25/13 12:51	1
Percent Solids	68		1.0	1.0	%			04/25/13 12:51	1

Client Sample ID: Q-16
Lab Sample ID: 600-72124-5
Date Collected: 04/24/13 12:08
Matrix: Solid
Date Received: 04/25/13 09:29
Percent Solids: 74.1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.158	J	0.325	0.0333	mg/Kg	☼	04/29/13 09:06	04/30/13 11:50	1
Lead	65.6		0.649	0.136	mg/Kg	☼	04/29/13 09:06	04/30/13 11:50	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		1.0	1.0	%			04/25/13 12:51	1
Percent Solids	74		1.0	1.0	%			04/25/13 12:51	1

Client Sample ID: O-15C — **Lab Sample ID: 600-72124-6**
Date Collected: 04/24/13 12:28 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.41		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: O-12C — **Lab Sample ID: 600-72124-7**
Date Collected: 04/24/13 12:47 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.47		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: O-9C — **Lab Sample ID: 600-72124-8**
Date Collected: 04/24/13 13:03 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.67		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: M-7C — **Lab Sample ID: 600-72124-9**
Date Collected: 04/24/13 13:15 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.55		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: K-4C — **Lab Sample ID: 600-72124-10**
Date Collected: 04/24/13 13:30 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.33		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: DE-7 — **Lab Sample ID: 600-72124-11**
Date Collected: 04/24/13 13:54 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.65		0.0100	0.0100	SU			04/29/13 09:15	1

Client Sample ID: BC-8 — **Lab Sample ID: 600-72124-12**
Date Collected: 04/24/13 14:04 — **Matrix: Solid**
Date Received: 04/25/13 09:29

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.39		0.0100	0.0100	SU			04/29/13 09:15	1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104928/1-A
Matrix: Solid
Analysis Batch: 105038

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104928

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		04/29/13 09:06	04/30/13 11:39	1
Lead	0.105	U	0.500	0.105	mg/Kg		04/29/13 09:06	04/30/13 11:39	1

Lab Sample ID: LCSSRM 600-104928/2-A
Matrix: Solid
Analysis Batch: 105038

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104928

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	87.48		mg/Kg		84.9	83.6 - 115.5
Lead	76.9	66.37		mg/Kg		86.3	81.3 - 118.7

Lab Sample ID: 600-72124-5 MS
Matrix: Solid
Analysis Batch: 105038

Client Sample ID: Q-16
Prep Type: Total/NA
Prep Batch: 104928

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.158	J	32.8	24.77		mg/Kg	☼	75	75 - 125
Lead	65.6		65.5	115.1		mg/Kg	☼	76	75 - 125

Lab Sample ID: 600-72124-5 MSD
Matrix: Solid
Analysis Batch: 105038

Client Sample ID: Q-16
Prep Type: Total/NA
Prep Batch: 104928

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.158	J	33.8	25.37		mg/Kg	☼	75	75 - 125	2	20
Lead	65.6		67.5	112.2	N	mg/Kg	☼	69	75 - 125	3	20

Lab Sample ID: 600-72124-5 DU
Matrix: Solid
Analysis Batch: 105038

Client Sample ID: Q-16
Prep Type: Total/NA
Prep Batch: 104928

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.158	J	0.06624	J	mg/Kg	☼	82	20
Lead	65.6		63.96		mg/Kg	☼	2	20

Method: 9045C - pH

Lab Sample ID: LCS 600-104956/1
Matrix: Solid
Analysis Batch: 104956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.020		SU		100	99 - 101

Method: 9045C - pH (Continued)

Lab Sample ID: 600-72124-1 DU
Matrix: Solid
Analysis Batch: 104956

Client Sample ID: EF-15
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.51			7.510		SU				0	1

Lab Sample ID: 600-72124-11 DU
Matrix: Solid
Analysis Batch: 104956

Client Sample ID: DE-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
pH	7.65			7.650		SU				0	1

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
pH	0.0100	0.0100	SU	9045C
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 104928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72124-4	SCSSA	Total/NA	Solid	3050B	
600-72124-5	Q-16	Total/NA	Solid	3050B	
600-72124-5 DU	Q-16	Total/NA	Solid	3050B	
600-72124-5 MS	Q-16	Total/NA	Solid	3050B	
600-72124-5 MSD	Q-16	Total/NA	Solid	3050B	
LCSSRM 600-104928/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-104928/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 105038

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72124-4	SCSSA	Total/NA	Solid	6010B	104928
600-72124-5	Q-16	Total/NA	Solid	6010B	104928
600-72124-5 DU	Q-16	Total/NA	Solid	6010B	104928
600-72124-5 MS	Q-16	Total/NA	Solid	6010B	104928
600-72124-5 MSD	Q-16	Total/NA	Solid	6010B	104928
LCSSRM 600-104928/2-A	Lab Control Sample	Total/NA	Solid	6010B	104928
MB 600-104928/1-A	Method Blank	Total/NA	Solid	6010B	104928

General Chemistry

Analysis Batch: 104765

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72124-4	SCSSA	Total/NA	Solid	Moisture	
600-72124-5	Q-16	Total/NA	Solid	Moisture	

Analysis Batch: 104956

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72124-1	EF-15	Total/NA	Solid	9045C	
600-72124-1 DU	EF-15	Total/NA	Solid	9045C	
600-72124-2	E-20C	Total/NA	Solid	9045C	
600-72124-3	HI-16	Total/NA	Solid	9045C	
600-72124-6	O-15C	Total/NA	Solid	9045C	
600-72124-7	O-12C	Total/NA	Solid	9045C	
600-72124-8	O-9C	Total/NA	Solid	9045C	
600-72124-9	M-7C	Total/NA	Solid	9045C	
600-72124-10	K-4C	Total/NA	Solid	9045C	
600-72124-11	DE-7	Total/NA	Solid	9045C	
600-72124-11 DU	DE-7	Total/NA	Solid	9045C	
600-72124-12	BC-8	Total/NA	Solid	9045C	
LCS 600-104956/1	Lab Control Sample	Total/NA	Solid	9045C	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Client Sample ID: EF-15
Lab Sample ID: 600-72124-1
Date Collected: 04/24/13 10:55
Matrix: Solid
Date Received: 04/25/13 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: E-20C
Lab Sample ID: 600-72124-2
Date Collected: 04/24/13 11:05
Matrix: Solid
Date Received: 04/25/13 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: HI-16
Lab Sample ID: 600-72124-3
Date Collected: 04/24/13 11:30
Matrix: Solid
Date Received: 04/25/13 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: SCSSA
Lab Sample ID: 600-72124-4
Date Collected: 04/24/13 11:47
Matrix: Solid
Date Received: 04/25/13 09:29
Percent Solids: 68.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104928	04/29/13 09:06	NER	TAL HOU
Total/NA	Analysis	6010B		1	105038	04/30/13 11:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104765	04/25/13 12:51	AS	TAL HOU

Client Sample ID: Q-16
Lab Sample ID: 600-72124-5
Date Collected: 04/24/13 12:08
Matrix: Solid
Date Received: 04/25/13 09:29
Percent Solids: 74.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			104928	04/29/13 09:06	NER	TAL HOU
Total/NA	Analysis	6010B		1	105038	04/30/13 11:50	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	104765	04/25/13 12:51	AS	TAL HOU

Client Sample ID: O-15C
Lab Sample ID: 600-72124-6
Date Collected: 04/24/13 12:28
Matrix: Solid
Date Received: 04/25/13 09:29

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Client Sample ID: O-12C — Lab Sample ID: 600-72124-7

Date Collected: 04/24/13 12:47
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: O-9C — Lab Sample ID: 600-72124-8

Date Collected: 04/24/13 13:03
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: M-7C — Lab Sample ID: 600-72124-9

Date Collected: 04/24/13 13:15
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: K-4C — Lab Sample ID: 600-72124-10

Date Collected: 04/24/13 13:30
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: DE-7 — Lab Sample ID: 600-72124-11

Date Collected: 04/24/13 13:54
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Client Sample ID: BC-8 — Lab Sample ID: 600-72124-12

Date Collected: 04/24/13 14:04
Date Received: 04/25/13 09:29
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	9045C		1	104956	04/29/13 09:15	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72124-1

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

[redacted]

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TAL-4124 (1007)

Client: PBW LLC	Project Manager: Tim Nickles	Date: 4/24/14	Chain of Custody Number: 205029
Address: 2201 Double Creek dr	Telephone Number (Area Code)/Fax Number: 512-671-3434 tim.nickles@pbwllc.com	Lab Number:	Page 1 of _____
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): Exide - Frisco, TX	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: Job# 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Analysis: Pb Lead Cd Total	pH only	Special Instructions/ Conditions of Receipt
EF-15	4/24/13	1055												X	
E-20C		1105												X	
HF-16		1130												X	
[redacted] SCSSA		1147											X		
[redacted] Q-16		1208											X		
O-15C		1228												X	
O-12C		1247												X	
O-9C		1303												X	
M-7C		1315												X	
K-4C		1330												X	
DE-7		1354												X	
BC-8		1404												X	

600-72124 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By [redacted]	4/24/13	1500	1. Received By	4/24/13	1500
2. Relinquished By	4/24/13	1710	2. Received By		
3. Relinquished By			3. Received By	04/25/13	0929

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72124-1

Login Number: 72124

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	5.1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

SITE:	Exide Undeveloped Buffer Property VCP Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Groundwater Sampling – April 2013	
INTENDED USE:	Evaluate potential impacts to site groundwater	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-72228-1, 600-72228-2	
TESTS/ METHODS:	Total Metals – RCRA (Ag, As, Ba, Cd, Cr, Pb, Se, and Hg)	SW846 3010A/6010B and 7470A
	Dissolved Metals (As)	SW846 3010A/6010B
	Volatile Organic Compounds (VOC)	SW846 8260B
	Semivolatile Organic Compounds (SVOC)	SW846 3510C/8270C LL
	Total Petroleum Hydrocarbons (TPH)	TX 1005
SAMPLES:	3 groundwater samples, 1 field duplicate, 1 field MS/MSD pair, 1 trip blank (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

All samples collected during the event were reviewed. QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRCs) with the associated exception reports;
- Laboratory Electronic Data Deliverable (EDD); and
- Project field notes from the sampling event.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRCs to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and ±MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13
- Organics: 60-140% spike recovery (and not less than 10% or data is rejected) and ±MQL difference or 40% RPD (for laboratory duplicates) as recommended in TRRP-13
- Groundwater Samples: ± 2x MQL difference (if either result is less than 5x MQL) or 30% RPD (for field duplicates) as recommended in TRRP-13

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody forms except for Bromomethane by SW-846 8260B, which is reported for all aqueous samples. The results for this analyte are validated and reported as part of a suite of analytes for the method and the laboratory's recertification is in progress for this analyte pending TCEQ action. Per TRRP-13, the reviewer qualified all results for Bromomethane as not accredited - single analyte in a multi-analyte suite (X8). A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program

(NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRCs, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the lower of the TRRP residential Tier 1 $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs, except for two of the 67 SVOC analytes. The PCLs for these analytes (Benzidine and N-Nitrosodimethylamine) are particularly low. The laboratory MQLs are considered the lowest attainable using standard methodology (SW-846 8270C LL) without special analytical techniques and are considered adequate for this phase of the site investigation.
2. Usability of Qualified Data – There are no major QC deficiencies, and thus all data is usable as qualified for the intended use. As shown in Table 2, the reviewer qualified some non-detects as biased low (UJL) and some non-detects as estimated (UJ) due to minor QC deficiencies. Non-detects that are biased low can be used for determining the absence of the analyte; however, the reported SDL may be low. Likewise, non-detects that are estimated can be used for determining the presence or absence of the analyte; however, the reported SDL may be either low or high. The reviewer also qualified four Butyl benzyl phthalate detects and four Di-n-butyl phthalate detects as potentially contaminated (U) due to the detection of these analytes in the associated laboratory blank. These analytes should be considered not detected at or above the reported concentration. Additionally, all results for Bromomethane in these aqueous samples are qualified as not accredited - single analyte in a multi-analyte suite (X8). QC results are reported for this analyte and meet the requirements for all of the blanks and spikes. Additionally, the laboratory is accredited for the remaining 39 target analytes in this matrix, analyzed by this method. The analyte results are validated and reported as part of a suite of analytes for the method. Finally, results with a laboratory J-flag (i.e., at a concentration between the SDL and MQL) should be considered estimates. The actual value is not expected to exceed the sample MQL.

QAA Reviewer:	Taryn G. Scholz	5/13/13
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data packages contain all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contain all sample results in acceptable format. No package revisions or EDD revisions were required.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained, except as follows: • There is no signature or date for sample relinquishment for the second custody transfer. The transfer was from the laboratory courier to a commercial courier for overnight delivery to the laboratory. The laboratory signed and dated the custody record upon receipt of the samples and the samples were received in good condition. Thus, this is not considered to affect data quality. Additionally, the information on the custody record is complete and agrees with that in the field notes and laboratory reports. The reviewer also confirmed that all tests are reported as requested on the custody record and found the following change: • The custody record indicates that dissolved metals were requested for every sample. However, the dissolved metals samples were held per PBW's request pending the total metals analysis. One sample (VCP-MW-9) was released for dissolved Arsenic analysis and results are reported for this sample.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation. The laboratory noted one issue upon receipt as follows: • One amber 1-L sample bottle was received broken or leaking for VCP-DUP-2. The laboratory was able to complete all tests as requested using the remaining sample aliquots.
Field Procedures	Readings for temperature, pH, specific conductivity, dissolved oxygen, redox potential, and turbidity were recorded in the field notes. Each well was either purged until the well conditions stabilized and sampled immediately (VCP-MW-8) or purged until dry and sampled the next day after recovery (VCP-MW-9 and VCP-MW-10). Samples were collected into sterilized jars provided by the laboratory and then placed in a shipping cooler with ice for pickup by the laboratory courier and overnight delivery to the laboratory. The sample aliquots for dissolved metals were field-filtered using a 0.45-micron filter. Aliquots for total metals were not filtered as the turbidity was less than 10-NTU for all wells. Only dedicated or disposable equipment was used. One field duplicate was collected with the three investigative samples and one trip blank was included in the shipping container with the samples.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL. The EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in µg/L for Mercury and SVOC and in mg/L for the remaining analytes. Non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. The concentration reported for detects between the SDL and MQL is below the calibration range and thus is considered estimated.

QC PARAMETER — QC OUTCOME

Results Reporting Procedures

One sample (VCP-MW-10) required dilution for MTBE due to a high concentration of this analyte but all non-detects for the sample are reported from an undiluted analysis. Additionally, the SVOC SDLs are slightly elevated (about 10%) for VCP-MW-10 due to insufficient sample (less than 950-mls).

MQLs

The LORPs have been established by PBW as the as the lower of the TRRP residential Tier 1 $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs for a 30-acre source area. The Unadjusted MQLs are at or below the LORPs for the analytes, except as follows:

Analyte	LORP	Laboratory MQL	Laboratory MDL
Benzidine	0.00040 µg/L	0.00100 µg/L	0.000610 µg/L
N-Nitrosodimethylamine	0.0018 µg/L	0.00200 µg/L	0.000260 µg/L

The laboratory MQLs for these analytes are considered the lowest attainable using standard methodology (SW-846 8270C LL) without special analytical techniques and are considered adequate for this phase of the site investigation. Note that the laboratory MDL for N-Nitrosodimethylamine is well below the LORP and thus the SDLs for all samples are below the LORP.

MDLs

According to the LRCs, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCSs) as required per TRRP-13. DCS results for all accredited analytes are included in the laboratory data packages.

Laboratory Blanks

No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory, except as follows:

Blank Type	QC Batch	Analyte	Blank Concentration
Method	104949	Butyl benzyl phthalate	0.2509 J µg/L
Method	104949	Di-n-butyl phthalate	0.1236 J µg/L

Results for samples prepared in the same QC batch as a contaminated method blank may be biased high due to laboratory contamination. All of the SVOC samples were prepared in this QC batch and each has these analytes detected at a concentration similar to that in the blank (i.e., within ten times for these common contaminants). Thus, the reviewer qualified all results for these analytes as potentially contaminated (U).

Field QC Blanks

No analytes are reported above the detection limit in the field QC blanks, which confirms that no contamination was introduced in the field, except as follows:

Blank Type	Collection Date	Analyte	Blank Concentration
Trip	4/26/2013	Acetone	0.00299 J mg/L
Trip	4/26/2013	Chloromethane	0.000853 J mg/L

Results for samples shipped with a contaminated trip blank may be biased high due to field contamination. However, neither of these analytes was detected in any of the groundwater samples, and thus there is no effect on data quality.

Laboratory Control Spike Recovery

The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes except >C28-C35 TPH.

QC PARAMETER QC OUTCOME

Laboratory Control Spike Recovery

The LCS recoveries (%R) are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects, except as follows:

Test	QC Batch	Analyte	LCS %R
SVOC	104949	4,6-Dinitro-2-methylphenol	49
SVOC	104949	4-Nitrophenol	47
SVOC	104949	Benzidine	50
SVOC	104949	Hexachlorocyclopentadiene	57
SVOC	104949	N-Nitrosodimethylamine	50
SVOC	104949	Phenol	39

In each case, the LCS recovery is below the limits indicating a potential low bias for detects and non-detects in the samples associated with the LCS (i.e., those prepared in the same QC batch). All of the samples were prepared in this batch, and thus the reviewer qualified all results for these analytes, which are all non-detect, as estimated with a low bias (UJL).

Matrix Spike Recovery

The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. Recoveries are reported for MS/MSD prepared using a sample from the site and provide an indication of the accuracy of the preparation and analysis technique on the given sample matrix. An MS/MSD was prepared using sample VCP-MW-8 for total metals, VOC, SVOC and TPH. The following MS/MSD recoveries (%R) are outside the TRRP recommended criteria:

Test	QC Batch	Analyte	MS %R	MSD %R	Average MS/MSD %R
VOC	105049	Trichloroethene	141	148	145
VOC	105049	Vinyl acetate	163	161	162
SVOC	104949	1,2,4-Trichlorobenzene	60	55	58
SVOC	104949	1,2-Dichlorobenzene	57	56	57
SVOC	104949	1,3-Dichlorobenzene	60	57	59
SVOC	104949	1,4-Dichlorobenzene	58	57	58
SVOC	104949	2,4-Dichlorophenol	61	58	60*
SVOC	104949	2,4-Dimethylphenol	55	55	55
SVOC	104949	2-Chlorophenol	57	55	56
SVOC	104949	2-Methylnaphthalene	67	58	63*
SVOC	104949	2-Methylphenol	49	55	52
SVOC	104949	2-Nitrophenol	59	60	60*
SVOC	104949	3 & 4 Methylphenol	44	52	48
SVOC	104949	4,6-Dinitro-2-methylphenol	48	52	50
SVOC	104949	4-Chloroaniline	58	50	54
SVOC	104949	4-Nitrophenol	58	46	52
SVOC	104949	Acenaphthene	64	59	62*
SVOC	104949	Benzidine	45	41	43
SVOC	104949	Benzyl alcohol	52	50	51

QC PARAMETER	QC OUTCOME					
Matrix Spike Recovery	Test	QC Batch	Analyte	MS %R	MSD %R	Average MS/MSD %R
	SVOC	104949	bis (2-Chloroisopropyl) ether	57	55	56
	SVOC	104949	Bis(2-chloroethoxy)methane	58	50	54
	SVOC	104949	Bis(2-chloroethyl)ether	55	58	57
	SVOC	104949	Hexachlorobutadiene	58	51	55
	SVOC	104949	Hexachlorocyclopentadiene	44	40	42
	SVOC	104949	Hexachloroethane	47	60	54
	SVOC	104949	Isophorone	59	58	59
	SVOC	104949	Naphthalene	61	58	60*
	SVOC	104949	Nitrobenzene	51	56	54
	SVOC	104949	N-Nitrosodimethylamine	43	41	42
	SVOC	104949	N-Nitrosodi-n-propylamine	54	68	61*
	SVOC	104949	Phenol	29	32	31

*Both the MS and MSD recovery are above the data rejection limit (10% for organics) and the average MS/MSD recovery is within control.

For VOC, the MS/MSD recoveries are above the limits indicating a potential high bias for detects. Neither of these analytes was detected in any of the samples, and thus there is no effect on data quality.

For SVOC, the MS/MSD recoveries are below the limits indicating a potential low bias for detects and non-detects in the samples associated with the MS/MSD (i.e., those of similar matrix and prepared in the same QC batch). All of the samples are similar in matrix and were prepared in this batch. For cases marked with an asterisk, the reviewer did not qualify the data since the average MS/MSD recovery indicates acceptable accuracy. For the remaining cases, the reviewer qualified all results for the analyte, which are all non-detect, as estimated with a low bias (UJL).

Surrogate Recovery	Surrogate recoveries are within the laboratory limits, which indicates that the overall accuracy of the preparation and analysis technique is good for each particular sample.
Laboratory Duplicate Precision	The laboratories prepared one Matrix Spike Duplicate (MSD) for each analytical batch. The RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix.
Field Duplicate Precision	One field duplicate was collected with the samples. Results are summarized in Table 3. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP criteria, which indicates good precision for the sampling, preparation, and analysis technique on the given sample matrix.
Instrument Tuning	According to the LRC, instrument tuning met method requirements for the samples, which indicates the GC/MS instruments were properly set up to identify analytes.
Instrument Calibration	According to the LRCs, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations, except as follows:

QC PARAMETER	QC OUTCOME
Instrument Calibration	• For the total metals continuing calibration blanks (CCB) analyzed on 4/29/13 at 14:16 and 14:43, Selenium was detected above the MDL. (Laboratory corrective action was not required since the concentration was below the MQL.) Selenium was not detected in any of the samples, and thus there is no effect on data quality. • For the SVOC continuing calibration verification standard (CCV) analyzed on 4/20/13 (analytical batch 105039), Benzidine and 2,4-Dinitrophenol exceeded the control criteria. (Laboratory corrective action was not required since standard procedure allows a %difference outside the limit for up to four analytes that are not continuing calibration check (CCC) compounds.) All of the samples were analyzed in this batch, and thus the reviewer qualified all results for these analytes, which are all non-detect, as estimated with a low bias (UJL) per TRRP-13.
Instrument Performance	According to the LRCs, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	According to the LRC, area counts and retention times were within method requirements.
Total to Partial Balance	For Arsenic in sample VCP-MW-9, the dissolved metal concentration exceeds the total metal concentration. However, the difference does not exceed the inherent analytical method error (i.e., $\pm$ 2x MQL difference (if either result is less than 5x MQL) or 30% RPD) and thus no data qualification is required.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
GROUNDWATER SAMPLING – APRIL 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch					
						Total Metals (Ag, As, Ba, Cd, Cr, Pb, Se)	Total Metals (Mercury)	Dissolved As	VOC	SVOC	TPH
600-72228-001	VCP-MW-10	INV	Water	4/26/13	1	104917	104936	NA	105049	104949	104925
600-72228-001	VCP-MW-10	INV	Water	4/26/13	20	NA	NA	NA	105049*	NA	NA
600-72228-002	VCP-MW-9	INV	Water	4/26/13	1	104917	104936	104917	105049	104949	104925
600-72228-003	VCP-MW-8	INV	Water	4/26/13	1	104917	104936	NA	105049	104949	104925
600-72228-003	VCP-MW-8	MS	Water	4/26/13	1	104917	104936	NA	105049	104949	104925
600-72228-003	VCP-MW-8	MSD	Water	4/26/13	1	104917	104936	NA	105049	104949	104925
600-72228-004	VCP-DUP-2	FD	Water	4/26/13	1	104917	104936	NA	105049	104949	104925
600-72228-005	TRIP BLANK	TB	Water	4/26/13	1	NA	NA	NA	105049	NA	NA

*for MTBE

DF – Dilution Factor

FD – Field Duplicate (of VCP-MW-8)

INV – Investigative

MS – Matrix Spike

MSD – Matrix Spike Duplicate

TB – Trip Blank

TABLE 2
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
GROUNDWATER SAMPLING – APRIL 2013

QUALIFIED SAMPLE RESULTS

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
VCP-DUP-2	600-72228-004	4/26/13	1,2,4-Trichlorobenzene	0.115	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-DUP-2	600-72228-004	4/26/13	1,2-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-DUP-2	600-72228-004	4/26/13	1,3-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-DUP-2	600-72228-004	4/26/13	1,4-Dichlorobenzene	0.125	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-DUP-2	600-72228-004	4/26/13	2,4-Dimethylphenol	0.298	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-DUP-2	600-72228-004	4/26/13	2,4-Dinitrophenol	0.375	U	ug/L	UJ	CCV outside criteria
VCP-DUP-2	600-72228-004	4/26/13	2-Chlorophenol	0.125	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-DUP-2	600-72228-004	4/26/13	2-Methylphenol	0.115	U	ug/L	UJL	Low average MS/MSD recovery (52%)
VCP-DUP-2	600-72228-004	4/26/13	3 & 4 Methylphenol	0.192	U	ug/L	UJL	Low average MS/MSD recovery (48%)
VCP-DUP-2	600-72228-004	4/26/13	4,6-Dinitro-2-methylphenol	0.798	U	ug/L	UJL	Low LCS recovery (49%); Low average MS/MSD recovery (50%)
VCP-DUP-2	600-72228-004	4/26/13	4-Chloroaniline	0.202	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-DUP-2	600-72228-004	4/26/13	4-Nitrophenol	0.538	U	ug/L	UJL	Low LCS recovery (47%); Low average MS/MSD recovery (52%)
VCP-DUP-2	600-72228-004	4/26/13	Benzidine	0.587	U	ug/L	UJL	CCV outside criteria; Low LCS recovery (50%); Low average MS/MSD recovery (43%)
VCP-DUP-2	600-72228-004	4/26/13	Benzyl alcohol	0.163	U	ug/L	UJL	Low average MS/MSD recovery (51%)
VCP-DUP-2	600-72228-004	4/26/13	bis (2-Chloroisopropyl) ether	0.385	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-DUP-2	600-72228-004	4/26/13	Bis(2-chloroethoxy)methane	0.125	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-DUP-2	600-72228-004	4/26/13	Bis(2-chloroethyl)ether	0.144	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-DUP-2	600-72228-004	4/26/13	Butyl benzyl phthalate	0.168	J b	ug/L	U	Laboratory blank contamination (0.2509 J ug/L)
VCP-DUP-2	600-72228-004	4/26/13	Di-n-butyl phthalate	0.166	J b	ug/L	U	Laboratory blank contamination (0.1236 J ug/L)
VCP-DUP-2	600-72228-004	4/26/13	Hexachlorobutadiene	0.173	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-DUP-2	600-72228-004	4/26/13	Hexachlorocyclopentadiene	0.125	U	ug/L	UJL	Low LCS recovery (57%); Low average MS/MSD recovery (42%)
VCP-DUP-2	600-72228-004	4/26/13	Hexachloroethane	0.0962	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-DUP-2	600-72228-004	4/26/13	Isophorone	0.106	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-DUP-2	600-72228-004	4/26/13	Nitrobenzene	0.106	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-DUP-2	600-72228-004	4/26/13	N-Nitrosodimethylamine	0.25	U	ug/L	UJL	Low LCS recovery (50%); Low average MS/MSD recovery (42%)
VCP-DUP-2	600-72228-004	4/26/13	Phenol	0.0385	U	ug/L	UJL	Low LCS recovery (39%); Low average MS/MSD recovery (31%)
VCP-MW-10	600-72228-001	4/26/13	1,2,4-Trichlorobenzene	0.132	U	ug/L	UJL	Low average MS/MSD recovery (58%)

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
VCP-MW-10	600-72228-001	4/26/13	1,2-Dichlorobenzene	0.187	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-MW-10	600-72228-001	4/26/13	1,3-Dichlorobenzene	0.187	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-10	600-72228-001	4/26/13	1,4-Dichlorobenzene	0.143	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-MW-10	600-72228-001	4/26/13	2,4-Dimethylphenol	0.341	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-10	600-72228-001	4/26/13	2,4-Dinitrophenol	0.429	U	ug/L	UJ	CCV outside criteria
VCP-MW-10	600-72228-001	4/26/13	2-Chlorophenol	0.143	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-10	600-72228-001	4/26/13	2-Methylphenol	0.132	U	ug/L	UJL	Low average MS/MSD recovery (52%)
VCP-MW-10	600-72228-001	4/26/13	3 & 4 Methylphenol	0.22	U	ug/L	UJL	Low average MS/MSD recovery (48%)
VCP-MW-10	600-72228-001	4/26/13	4,6-Dinitro-2-methylphenol	0.912	U	ug/L	UJL	Low LCS recovery (49%); Low average MS/MSD recovery (50%)
VCP-MW-10	600-72228-001	4/26/13	4-Chloroaniline	0.231	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-10	600-72228-001	4/26/13	4-Nitrophenol	0.615	U	ug/L	UJL	Low LCS recovery (47%); Low average MS/MSD recovery (52%)
VCP-MW-10	600-72228-001	4/26/13	Benzidine	0.67	U	ug/L	UJL	CCV outside criteria; Low LCS recovery (50%); Low average MS/MSD recovery (43%)
VCP-MW-10	600-72228-001	4/26/13	Benzyl alcohol	0.187	U	ug/L	UJL	Low average MS/MSD recovery (51%)
VCP-MW-10	600-72228-001	4/26/13	bis (2-Chloroisopropyl) ether	0.44	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-10	600-72228-001	4/26/13	Bis(2-chloroethoxy)methane	0.143	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-10	600-72228-001	4/26/13	Bis(2-chloroethyl)ether	0.165	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-MW-10	600-72228-001	4/26/13	Butyl benzyl phthalate	0.252	J b	ug/L	U	Laboratory blank contamination (0.2509 J ug/L)
VCP-MW-10	600-72228-001	4/26/13	Di-n-butyl phthalate	0.158	J b	ug/L	U	Laboratory blank contamination (0.1236 J ug/L)
VCP-MW-10	600-72228-001	4/26/13	Hexachlorobutadiene	0.198	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-10	600-72228-001	4/26/13	Hexachlorocyclopentadiene	0.143	U	ug/L	UJL	Low LCS recovery (57%); Low average MS/MSD recovery (42%)
VCP-MW-10	600-72228-001	4/26/13	Hexachloroethane	0.11	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-10	600-72228-001	4/26/13	Isophorone	0.121	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-10	600-72228-001	4/26/13	Nitrobenzene	0.121	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-10	600-72228-001	4/26/13	N-Nitrosodimethylamine	0.286	U	ug/L	UJL	Low LCS recovery (50%); Low average MS/MSD recovery (42%)
VCP-MW-10	600-72228-001	4/26/13	Phenol	0.044	U	ug/L	UJL	Low LCS recovery (39%); Low average MS/MSD recovery (31%)
VCP-MW-8	600-72228-003	4/26/13	1,2,4-Trichlorobenzene	0.115	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-MW-8	600-72228-003	4/26/13	1,2-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-MW-8	600-72228-003	4/26/13	1,3-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-8	600-72228-003	4/26/13	1,4-Dichlorobenzene	0.125	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-MW-8	600-72228-003	4/26/13	2,4-Dimethylphenol	0.298	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-8	600-72228-003	4/26/13	2,4-Dinitrophenol	0.375	U	ug/L	UJ	CCV outside criteria
VCP-MW-8	600-72228-003	4/26/13	2-Chlorophenol	0.125	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-8	600-72228-003	4/26/13	2-Methylphenol	0.115	U	ug/L	UJL	Low average MS/MSD recovery (52%)
VCP-MW-8	600-72228-003	4/26/13	3 & 4 Methylphenol	0.192	U	ug/L	UJL	Low average MS/MSD recovery (48%)

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
VCP-MW-8	600-72228-003	4/26/13	4,6-Dinitro-2-methylphenol	0.798	U	ug/L	UJL	Low LCS recovery (49%); Low average MS/MSD recovery (50%)
VCP-MW-8	600-72228-003	4/26/13	4-Chloroaniline	0.202	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-8	600-72228-003	4/26/13	4-Nitrophenol	0.538	U	ug/L	UJL	Low LCS recovery (47%); Low average MS/MSD recovery (52%)
VCP-MW-8	600-72228-003	4/26/13	Benzidine	0.587	U	ug/L	UJL	CCV outside criteria; Low LCS recovery (50%); Low average MS/MSD recovery (43%)
VCP-MW-8	600-72228-003	4/26/13	Benzyl alcohol	0.163	U	ug/L	UJL	Low average MS/MSD recovery (51%)
VCP-MW-8	600-72228-003	4/26/13	bis (2-Chloroisopropyl) ether	0.385	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-8	600-72228-003	4/26/13	Bis(2-chloroethoxy)methane	0.125	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-8	600-72228-003	4/26/13	Bis(2-chloroethyl)ether	0.144	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-MW-8	600-72228-003	4/26/13	Butyl benzyl phthalate	0.514	J b	ug/L	U	Laboratory blank contamination (0.2509 J ug/L)
VCP-MW-8	600-72228-003	4/26/13	Di-n-butyl phthalate	0.366	J b	ug/L	U	Laboratory blank contamination (0.1236 J ug/L)
VCP-MW-8	600-72228-003	4/26/13	Hexachlorobutadiene	0.173	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-8	600-72228-003	4/26/13	Hexachlorocyclopentadiene	0.125	U	ug/L	UJL	Low LCS recovery (57%); Low average MS/MSD recovery (42%)
VCP-MW-8	600-72228-003	4/26/13	Hexachloroethane	0.0962	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-8	600-72228-003	4/26/13	Isophorone	0.106	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-8	600-72228-003	4/26/13	Nitrobenzene	0.106	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-8	600-72228-003	4/26/13	N-Nitrosodimethylamine	0.25	U	ug/L	UJL	Low LCS recovery (50%); Low average MS/MSD recovery (42%)
VCP-MW-8	600-72228-003	4/26/13	Phenol	0.0385	U	ug/L	UJL	Low LCS recovery (39%); Low average MS/MSD recovery (31%)
VCP-MW-9	600-72228-002	4/26/13	1,2,4-Trichlorobenzene	0.115	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-MW-9	600-72228-002	4/26/13	1,2-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (57%)
VCP-MW-9	600-72228-002	4/26/13	1,3-Dichlorobenzene	0.163	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-9	600-72228-002	4/26/13	1,4-Dichlorobenzene	0.125	U	ug/L	UJL	Low average MS/MSD recovery (58%)
VCP-MW-9	600-72228-002	4/26/13	2,4-Dimethylphenol	0.298	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-9	600-72228-002	4/26/13	2,4-Dinitrophenol	0.375	U	ug/L	UJ	CCV outside criteria
VCP-MW-9	600-72228-002	4/26/13	2-Chlorophenol	0.125	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-9	600-72228-002	4/26/13	2-Methylphenol	0.115	U	ug/L	UJL	Low average MS/MSD recovery (52%)
VCP-MW-9	600-72228-002	4/26/13	3 & 4 Methylphenol	0.192	U	ug/L	UJL	Low average MS/MSD recovery (48%)
VCP-MW-9	600-72228-002	4/26/13	4,6-Dinitro-2-methylphenol	0.798	U	ug/L	UJL	Low LCS recovery (49%); Low average MS/MSD recovery (50%)
VCP-MW-9	600-72228-002	4/26/13	4-Chloroaniline	0.202	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-9	600-72228-002	4/26/13	4-Nitrophenol	0.538	U	ug/L	UJL	Low LCS recovery (47%); Low average MS/MSD recovery (52%)
VCP-MW-9	600-72228-002	4/26/13	Benzidine	0.587	U	ug/L	UJL	CCV outside criteria; Low LCS recovery (50%); Low average MS/MSD recovery (43%)
VCP-MW-9	600-72228-002	4/26/13	Benzyl alcohol	0.163	U	ug/L	UJL	Low average MS/MSD recovery (51%)
VCP-MW-9	600-72228-002	4/26/13	bis (2-Chloroisopropyl) ether	0.385	U	ug/L	UJL	Low average MS/MSD recovery (56%)
VCP-MW-9	600-72228-002	4/26/13	Bis(2-chloroethoxy)methane	0.125	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-9	600-72228-002	4/26/13	Bis(2-chloroethyl)ether	0.144	U	ug/L	UJL	Low average MS/MSD recovery (57%)

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC_Comment
VCP-MW-9	600-72228-002	4/26/13	Butyl benzyl phthalate	0.26	J b	ug/L	U	Laboratory blank contamination (0.2509 J ug/L)
VCP-MW-9	600-72228-002	4/26/13	Di-n-butyl phthalate	0.143	J b	ug/L	U	Laboratory blank contamination (0.1236 J ug/L)
VCP-MW-9	600-72228-002	4/26/13	Hexachlorobutadiene	0.173	U	ug/L	UJL	Low average MS/MSD recovery (55%)
VCP-MW-9	600-72228-002	4/26/13	Hexachlorocyclopentadiene	0.125	U	ug/L	UJL	Low LCS recovery (57%); Low average MS/MSD recovery (42%)
VCP-MW-9	600-72228-002	4/26/13	Hexachloroethane	0.0962	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-9	600-72228-002	4/26/13	Isophorone	0.106	U	ug/L	UJL	Low average MS/MSD recovery (59%)
VCP-MW-9	600-72228-002	4/26/13	Nitrobenzene	0.106	U	ug/L	UJL	Low average MS/MSD recovery (54%)
VCP-MW-9	600-72228-002	4/26/13	N-Nitrosodimethylamine	0.25	U	ug/L	UJL	Low LCS recovery (50%); Low average MS/MSD recovery (42%)
VCP-MW-9	600-72228-002	4/26/13	Phenol	0.0385	U	ug/L	UJL	Low LCS recovery (39%); Low average MS/MSD recovery (31%)

Note: In addition to the above results, all detects between the SDL and MQL (i.e., results with a laboratory J-flag) should be considered estimated since the reported concentration is below the calibration range.

U – Potentially contaminated; The analyte was not detected >5x (10x for common contaminants) the level in an associated blank.
UJ – Estimated data; The analyte was not detected above the reported Sample Detection Limit (SDL) however the SDL is approximate due to exceedance of one or more QC requirements.
J – Estimated data; The reported sample concentration is approximate due to exceedance of one or more QC requirements.
NJ – Tentatively identified, estimated data; The analysis indicates the presence of the analyte for which there is presumptive evidence to make a tentative identification and the associated numerical value represents its approximate concentration.
R – Rejected data; Serious QC deficiencies make it impossible to verify the absence or presence of this analyte.
X7 – The laboratory is not NELAC accredited under the Texas Laboratory Accreditation Program for this analyte in this matrix analyzed by this method. The TCEQ does not offer accreditation for this analyte, in this matrix, analyzed by this method.

H – Bias in sample result is likely to be high
L – Bias in sample result is likely to be low

NOTE: For multiple deficiencies, the reviewer applied the most severe flag. (R>U>J>JL/JH and R>UJ>UJL)

TABLE 3

EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION

GROUNDWATER SAMPLING – APRIL 2013

FIELD DUPLICATE RESULTS

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	2x MQL	Pass
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Ag	0.00125	U	mg/L	0.00125	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	As	0.00328	U	mg/L	0.00328	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Ba	0.109		mg/L	0.107		mg/L	1.9	NA	0.04	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Cd	0.00035	U	mg/L	0.00035	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Cr	0.00155	U	mg/L	0.00155	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Pb	0.0029	U	mg/L	0.0029	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	6010B	Se	0.00417	U	mg/L	0.00417	U	mg/L	NA	0	0.08	y
VCP-DUP-2	VCP-MW-8	4/26/13	7470A	Mercury	0.082	U	ug/L	0.082	U	ug/L	NA	0	0.4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,1,1-Trichloroethane	0.00098	U	mg/L	0.00098	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,1,2,2-Tetrachloroethane	0.0008	U	mg/L	0.0008	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,1,2-Trichloroethane	0.00053	U	mg/L	0.00053	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,1-Dichloroethane	0.0005	U	mg/L	0.0005	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,1-Dichloroethene	0.00076	U	mg/L	0.00076	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,2-Dichloroethane	0.00101	U	mg/L	0.00101	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,2-Dichloroethene, Total	0.00084	U	mg/L	0.00084	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	1,2-Dichloropropane	0.00141	U	mg/L	0.00141	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	2-Butanone (MEK)	0.00157	U	mg/L	0.00157	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	2-Hexanone	0.00142	U	mg/L	0.00142	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	4-Methyl-2-pentanone (MIBK)	0.00111	U	mg/L	0.00111	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Acetone	0.00227	U	mg/L	0.00227	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Benzene	0.00056	U	mg/L	0.00056	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Bromodichloromethane	0.00076	U	mg/L	0.00076	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Bromoform	0.00077	U	mg/L	0.00077	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Bromomethane	0.00558	J	mg/L	0.0064	J	mg/L	NA	0.00082	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Carbon disulfide	0.0017	U	mg/L	0.0017	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Carbon tetrachloride	0.00092	U	mg/L	0.00092	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Chlorobenzene	0.00082	U	mg/L	0.00082	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Chlorobromomethane	0.00081	U	mg/L	0.00081	U	mg/L	NA	0	0.01	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	2x MQL	Pass
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Chloroethane	0.00173	U	mg/L	0.00173	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Chloroform	0.00082	U	mg/L	0.00082	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Chloromethane	0.00085	U	mg/L	0.00085	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	cis-1,2-Dichloroethene	0.00056	U	mg/L	0.00056	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	cis-1,3-Dichloropropene	0.00097	U	mg/L	0.00097	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Dibromochloromethane	0.00092	U	mg/L	0.00092	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Ethylbenzene	0.00129	U	mg/L	0.00129	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Methyl tert-butyl ether	0.00044	U	mg/L	0.00044	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Methylene Chloride	0.00143	U	mg/L	0.00143	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	m-Xylene & p-Xylene	0.00126	U	mg/L	0.00126	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	o-Xylene	0.00093	U	mg/L	0.00093	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Styrene	0.00056	U	mg/L	0.00056	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Tetrachloroethene	0.00124	U	mg/L	0.00124	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Toluene	0.00055	U	mg/L	0.00055	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	trans-1,2-Dichloroethene	0.00088	U	mg/L	0.00088	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	trans-1,3-Dichloropropene	0.00059	U	mg/L	0.00059	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Trichloroethene	0.00158	U	mg/L	0.00158	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Vinyl acetate	0.0006	U	mg/L	0.0006	U	mg/L	NA	0	0.02	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Vinyl chloride	0.00085	U	mg/L	0.00085	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8260B	Xylenes, Total	0.00198	U	mg/L	0.00198	U	mg/L	NA	0	0.01	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	1,2,4-Trichlorobenzene	0.115	U	ug/L	0.115	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	1,2-Dichlorobenzene	0.163	U	ug/L	0.163	U	ug/L	NA	0	3.5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	1,3-Dichlorobenzene	0.163	U	ug/L	0.163	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	1,4-Dichlorobenzene	0.125	U	ug/L	0.125	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4,5-Trichlorophenol	0.24	U	ug/L	0.24	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4,6-Trichlorophenol	0.173	U	ug/L	0.173	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4-Dichlorophenol	0.144	U	ug/L	0.144	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4-Dimethylphenol	0.298	U	ug/L	0.298	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4-Dinitrophenol	0.375	U	ug/L	0.375	U	ug/L	NA	0	10	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,4-Dinitrotoluene	0.125	U	ug/L	0.125	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2,6-Dinitrotoluene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Chloronaphthalene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Chlorophenol	0.125	U	ug/L	0.125	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Methylnaphthalene	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Methylphenol	0.115	U	ug/L	0.115	U	ug/L	NA	0	3	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	2x MQL	Pass
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Nitroaniline	0.183	U	ug/L	0.183	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	2-Nitrophenol	0.212	U	ug/L	0.212	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	3 & 4 Methylphenol	0.192	U	ug/L	0.192	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	3,3'-Dichlorobenzidine	0.173	U	ug/L	0.173	U	ug/L	NA	0	20	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	3-Nitroaniline	0.154	U	ug/L	0.154	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4,6-Dinitro-2-methylphenol	0.798	U	ug/L	0.798	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Bromophenyl phenyl ether	0.0962	U	ug/L	0.0962	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Chloro-3-methylphenol	0.163	U	ug/L	0.163	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Chloroaniline	0.202	U	ug/L	0.202	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Chlorophenyl phenyl ether	0.0962	U	ug/L	0.0962	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Nitroaniline	0.24	U	ug/L	0.24	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	4-Nitrophenol	0.538	U	ug/L	0.538	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Acenaphthene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Acenaphthylene	0.0577	U	ug/L	0.0577	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Anthracene	0.0481	U	ug/L	0.0481	U	ug/L	NA	0	2	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzidine	0.587	U	ug/L	0.587	U	ug/L	NA	0	20	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzo[a]anthracene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzo[a]pyrene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzo[b]fluoranthene	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzo[g,h,i]perylene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzo[k]fluoranthene	0.0865	U	ug/L	0.0865	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Benzyl alcohol	0.163	U	ug/L	0.163	U	ug/L	NA	0	11	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	bis (2-Chloroisopropyl) ether	0.385	U	ug/L	0.385	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Bis(2-chloroethoxy)methane	0.125	U	ug/L	0.125	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Bis(2-chloroethyl)ether	0.144	U	ug/L	0.144	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Bis(2-ethylhexyl) phthalate	0.356	U	ug/L	0.356	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Butyl benzyl phthalate	0.168	J b	ug/L	0.514	J b	ug/L	NA	0.346	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Carbazole	0.163	U	ug/L	0.163	U	ug/L	NA	0	12.5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Chrysene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Dibenz(a,h)anthracene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Dibenzofuran	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Diethyl phthalate	1.44	U	ug/L	1.44	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Dimethyl phthalate	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Di-n-butyl phthalate	0.166	J b	ug/L	0.366	J b	ug/L	NA	0.2	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Di-n-octyl phthalate	0.154	U	ug/L	0.154	U	ug/L	NA	0	10	y

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	2x MQL	Pass
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Fluoranthene	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Fluorene	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Hexachlorobenzene	0.106	U	ug/L	0.106	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Hexachlorobutadiene	0.173	U	ug/L	0.173	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Hexachlorocyclopentadiene	0.125	U	ug/L	0.125	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Hexachloroethane	0.0962	U	ug/L	0.0962	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Indeno[1,2,3-cd]pyrene	0.0673	U	ug/L	0.0673	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Isophorone	0.106	U	ug/L	0.106	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Naphthalene	0.0769	U	ug/L	0.0769	U	ug/L	NA	0	10	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Nitrobenzene	0.106	U	ug/L	0.106	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	N-Nitrosodimethylamine	0.25	U	ug/L	0.25	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	N-Nitrosodi-n-propylamine	0.0962	U	ug/L	0.0962	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	N-Nitrosodiphenylamine	0.0962	U	ug/L	0.0962	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Pentachlorophenol	0.587	U	ug/L	0.587	U	ug/L	NA	0	5	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Phenanthrene	0.0577	U	ug/L	0.0577	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Phenol	0.0385	U	ug/L	0.0385	U	ug/L	NA	0	3	y
VCP-DUP-2	VCP-MW-8	4/26/13	8270C LL	Pyrene	0.106	U	ug/L	0.106	U	ug/L	NA	0	4	y
VCP-DUP-2	VCP-MW-8	4/26/13	TX 1005	C6-C12	0.823	U	mg/L	0.819	U	mg/L	NA	0.004	10	y
VCP-DUP-2	VCP-MW-8	4/26/13	TX 1005	>C12-C28	0.952	U	mg/L	0.948	U	mg/L	NA	0.004	10	y
VCP-DUP-2	VCP-MW-8	4/26/13	TX 1005	>C28-C35	0.952	U	mg/L	0.948	U	mg/L	NA	0.004	10	y
VCP-DUP-2	VCP-MW-8	4/26/13	TX 1005	C6-C35	1.55	U	mg/L	1.54	U	mg/L	NA	0.01	10	y

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Method EPA 415.1

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10078407

Method EPA 420.2

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10079808

Method EPA 420.4

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10080203

Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609

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Matrix: ***Non-Potable Water***

Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 602

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10102202
Ethylbenzene	TX	4765	10102202
m+p-xylene	TX	5240	10102202
o-Xylene	TX	5250	10102202
Toluene	TX	5140	10102202
Xylene (total)	TX	5260	10102202

Method EPA 608

Analyte	**AB**	**Analyte ID**	**Method ID**
4,4'-DDD	TX	7355	10103603
4,4'-DDE	TX	7360	10103603
4,4'-DDT	TX	7365	10103603
Aldrin	TX	7025	10103603
alpha-BHC (alpha-Hexachlorocyclohexane)	TX	7110	10103603
alpha-Chlordane	TX	7240	10103603
Aroclor-1016 (PCB-1016)	TX	8880	10103603
Aroclor-1221 (PCB-1221)	TX	8885	10103603
Aroclor-1232 (PCB-1232)	TX	8890	10103603
Aroclor-1242 (PCB-1242)	TX	8895	10103603

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Matrix: ***Non-Potable Water***

Hexachlorobutadiene	TX	4835	10107401
Hexachlorocyclopentadiene	TX	6285	10107401
Hexachloroethane	TX	4840	10107401
Indeno(1,2,3-cd) pyrene	TX	6315	10107401
Isophorone	TX	6320	10107401
Naphthalene	TX	5005	10107401
Nitrobenzene	TX	5015	10107401
n-Nitrosodiethylamine	TX	6525	10107401
n-Nitrosodimethylamine	TX	6530	10107401
n-Nitrosodi-n-butylamine	TX	5025	10107401
n-Nitrosodi-n-propylamine	TX	6545	10107401
n-Nitrosodiphenylamine	TX	6535	10107401
Pentachlorophenol	TX	6605	10107401
Phenanthrene	TX	6615	10107401
Phenol	TX	6625	10107401
Pyrene	TX	6665	10107401
Pyridine	TX	5095	10107401

Method EPA 7196

Analyte	**AB**	**Analyte ID**	**Method ID**
Chromium (VI)	TX	1045	10162400

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601

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Matrix: ***Non-Potable Water***

Silvex (2,4,5-TP)	TX	8650	10183207

Method EPA 8260

Analyte	AB	Analyte ID	Method ID
1,1,1,2-Tetrachloroethane	TX	5105	10184802
1,1,1-Trichloroethane	TX	5160	10184802
1,1,2,2-Tetrachloroethane	TX	5110	10184802
1,1,2-Trichloroethane	TX	5165	10184802
1,1-Dichloroethane	TX	4630	10184802
1,1-Dichloroethylene	TX	4640	10184802
1,1-Dichloropropene	TX	4670	10184802
1,2,3-Trichlorobenzene	TX	5150	10184802
1,2,3-Trichloropropane	TX	5180	10184802
1,2,4-Trichlorobenzene	TX	5155	10184802
1,2,4-Trimethylbenzene	TX	5210	10184802
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184802
1,2-Dichlorobenzene	TX	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184802
1,2-Dichloropropane	TX	4655	10184802
1,3,5-Trimethylbenzene	TX	5215	10184802
1,3-Dichlorobenzene	TX	4615	10184802
1,3-Dichloropropane	TX	4660	10184802
1,4-Dichlorobenzene	TX	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184802
2,2-Dichloropropane	TX	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184802
2-Chloroethyl vinyl ether	TX	4500	10184802
2-Chlorotoluene	TX	4535	10184802
2-Hexanone (MBK)	TX	4860	10184802
2-Nitropropane	TX	5020	10184802
2-Propanol	TX	5065	10184802

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Matrix: *Non-Potable Water*

4-Chlorotoluene	TX	4540	10184802
4-Isopropyltoluene (p-Cymene)	TX	4915	10184802
4-Methyl-2-pentanone (MIBK)	TX	4995	10184802
Acetone (2-Propanone)	TX	4315	10184802
Acetonitrile	TX	4320	10184802
Acrolein (Propenal)	TX	4325	10184802
Acrylonitrile	TX	4340	10184802
Allyl chloride (3-Chloropropene)	TX	4355	10184802
Benzene	TX	4375	10184802
Benzyl chloride	TX	5635	10184802
Bromobenzene	TX	4385	10184802
Bromochloromethane	TX	4390	10184802
Bromodichloromethane	TX	4395	10184802
Bromoform	TX	4400	10184802
Carbon disulfide	TX	4450	10184802
Carbon tetrachloride	TX	4455	10184802
Chlorobenzene	TX	4475	10184802
Chlorodibromomethane	TX	4575	10184802
Chloroethane (Ethyl chloride)	TX	4485	10184802
Chloroform	TX	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184802
cis-1,2-Dichloroethylene	TX	4645	10184802
cis-1,3-Dichloropropene	TX	4680	10184802
Dibromofluoromethane	TX	4590	10184802
Dibromomethane (Methylene bromide)	TX	4595	10184802
Dichlorodifluoromethane (Freon-12)	TX	4625	10184802
Diethyl ether	TX	4725	10184802
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184802
Ethyl acetate	TX	4755	10184802
Ethyl methacrylate	TX	4810	10184802

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Matrix: ***Non-Potable Water***

Ethylbenzene	TX	4765	10184802
Ethylene oxide	TX	4795	10184802
Hexachlorobutadiene	TX	4835	10184802
Iodomethane (Methyl iodide)	TX	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184802
Isopropylbenzene (Cumene)	TX	4900	10184802
m+p-xylene	TX	5240	10184802
Methacrylonitrile	TX	4925	10184802
Methyl acrylate	TX	4945	10184802
Methyl chloride (Chloromethane)	TX	4960	10184802
Methyl methacrylate	TX	4990	10184802
Methyl tert-butyl ether (MTBE)	TX	5000	10184802
Methylene chloride (Dichloromethane)	TX	4975	10184802
Naphthalene	TX	5005	10184802
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184802
n-Butylbenzene	TX	4435	10184802
n-Propylbenzene	TX	5090	10184802
sec-Butylbenzene	TX	4440	10184802
Styrene	TX	5100	10184802
tert-Butyl alcohol	TX	4420	10184802
tert-Butylbenzene	TX	4445	10184802
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184802
Toluene	TX	5140	10184802
trans-1,2-Dichloroethylene	TX	4700	10184802
trans-1,3-Dichloropropylene	TX	4685	10184802
trans-1,4-Dichloro-2-butene	TX	4605	10184802
Trichloroethene (Trichloroethylene)	TX	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184802
Vinyl acetate	TX	5225	10184802
Vinyl chloride	TX	5235	10184802

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Matrix: ***Non-Potable Water***

Xylene (total)	TX	5260	10184802

Method EPA 8270

Analyte	AB	Analyte ID	Method ID
1,2,4,5-Tetrachlorobenzene	TX	6715	10185805
1,2,4-Trichlorobenzene	TX	5155	10185805
1,2-Dichlorobenzene	TX	4610	10185805
1,2-Dinitrobenzene	TX	6155	10185805
1,2-Diphenylhydrazine	TX	6220	10185805
1,3,5-Trinitrobenzene (1,3,5-TNB)	TX	6885	10185805
1,3-Dichlorobenzene	TX	4615	10185805
1,3-Dinitrobenzene (1,3-DNB)	TX	6160	10185805
1,4-Dichlorobenzene	TX	4620	10185805
1,4-Dinitrobenzene	TX	6165	10185805
1,4-Naphthoquinone	TX	6420	10185805
1,4-Phenylenediamine	TX	6630	10185805
1-Chloronaphthalene	TX	5790	10185805
1-Naphthylamine	TX	6425	10185805
2,3,4,6-Tetrachlorophenol	TX	6735	10185805
2,4,5-Trichlorophenol	TX	6835	10185805
2,4,6-Trichlorophenol	TX	6840	10185805
2,4-Diaminotoluene	TX	5880	10185805
2,4-Dichlorophenol	TX	6000	10185805
2,4-Dimethylphenol	TX	6130	10185805
2,4-Dinitrophenol	TX	6175	10185805
2,4-Dinitrotoluene (2,4-DNT)	TX	6185	10185805
2,6-Dichlorophenol	TX	6005	10185805
2,6-Dinitrotoluene (2,6-DNT)	TX	6190	10185805
2-Acetylaminofluorene	TX	5515	10185805
2-Chloronaphthalene	TX	5795	10185805
2-Chlorophenol	TX	5800	10185805

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston

Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056

Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: *Non-Potable Water*

2-Methyl-4,6-dinitrophenol (4,6-Dinitro-2-methylphenol)	TX	6360	10185805
2-Methylaniline (o-Toluidine)	TX	5145	10185805
2-Methylnaphthalene	TX	6385	10185805
2-Methylphenol (o-Cresol)	TX	6400	10185805
2-Naphthylamine	TX	6430	10185805
2-Nitroaniline	TX	6460	10185805
2-Nitrophenol	TX	6490	10185805
2-Picoline (2-Methylpyridine)	TX	5050	10185805
3,3'-Dichlorobenzidine	TX	5945	10185805
3,3'-Dimethoxybenzidine	TX	6100	10185805
3,3'-Dimethylbenzidine	TX	6120	10185805
3-Methylcholanthrene	TX	6355	10185805
3-Methylphenol (m-Cresol)	TX	6405	10185805
3-Nitroaniline	TX	6465	10185805
4,4'-Methylenebis(2-chloroaniline)	TX	6365	10185805
4,4'-Methylenebis(n,n-dimethylaniline)	TX	6370	10185805
4-Aminobiphenyl	TX	5540	10185805
4-Bromophenyl phenyl ether (BDE-3)	TX	5660	10185805
4-Chloro-3-methylphenol	TX	5700	10185805
4-Chloroaniline	TX	5745	10185805
4-Chlorophenyl phenylether	TX	5825	10185805
4-Dimethyl aminoazobenzene	TX	6105	10185805
4-Methylphenol (p-Cresol)	TX	6410	10185805
4-Nitroaniline	TX	6470	10185805
4-Nitrophenol	TX	6500	10185805
5-Nitro-o-toluidine	TX	6570	10185805
7,12-Dimethylbenz(a) anthracene	TX	6115	10185805
a-a-Dimethylphenethylamine	TX	6125	10185805
Acenaphthene	TX	5500	10185805
Acenaphthylene	TX	5505	10185805

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Matrix: ***Non-Potable Water***

Acetophenone	TX	5510	10185805
Aminoazobenzene	TX	5535	10185805
Aniline	TX	5545	10185805
Anthracene	TX	5555	10185805
Aramite	TX	5560	10185805
Azinphos-methyl (Guthion)	TX	7075	10185805
Azobenzene	TX	5562	10185805
Benzidine	TX	5595	10185805
Benzo(a)anthracene	TX	5575	10185805
Benzo(a)pyrene	TX	5580	10185805
Benzo(b)fluoranthene	TX	5585	10185805
Benzo(g,h,i)perylene	TX	5590	10185805
Benzo(k)fluoranthene	TX	5600	10185805
Benzoic acid	TX	5610	10185805
Benzyl alcohol	TX	5630	10185805
Biphenyl	TX	5640	10185805
bis(2-Chloroethoxy)methane	TX	5760	10185805
bis(2-Chloroethyl) ether	TX	5765	10185805
bis(2-Chloroisopropyl) ether	TX	5780	10185805
bis(2-Ethylhexyl) phthalate (DEHP)	TX	6255	10185805
Butyl benzyl phthalate	TX	5670	10185805
Captan	TX	7190	10185805
Carbaryl (Sevin)	TX	7195	10185805
Carbazole	TX	5680	10185805
Chlorobenzilate	TX	7260	10185805
Chrysene	TX	5855	10185805
Diallate	TX	7405	10185805
Dibenz(a,h) anthracene	TX	5895	10185805
Dibenz(a,j) acridine	TX	5900	10185805
Dibenzo(a,e) pyrene	TX	5890	10185805

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Matrix: ***Non-Potable Water***

Dibenzofuran	TX	5905	10185805
Dichlone	TX	7430	10185805
Dichlorovos (DDVP, Dichlorvos)	TX	8610	10185805
Diethyl phthalate	TX	6070	10185805
Dimethoate	TX	7475	10185805
Dimethyl phthalate	TX	6135	10185805
Di-n-butyl phthalate	TX	5925	10185805
Di-n-octyl phthalate	TX	6200	10185805
Diphenylamine	TX	6205	10185805
Disulfoton	TX	8625	10185805
Ethyl methanesulfonate	TX	6260	10185805
Famphur	TX	7580	10185805
Fluoranthene	TX	6265	10185805
Fluorene	TX	6270	10185805
Hexachlorobenzene	TX	6275	10185805
Hexachlorobutadiene	TX	4835	10185805
Hexachlorocyclopentadiene	TX	6285	10185805
Hexachloroethane	TX	4840	10185805
Hexachlorophene	TX	6290	10185805
Hexachloropropene	TX	6295	10185805
Indeno(1,2,3-cd) pyrene	TX	6315	10185805
Isodrin	TX	7725	10185805
Isophorone	TX	6320	10185805
Isosafrole	TX	6325	10185805
Kepone	TX	7740	10185805
Methapyrilene	TX	6345	10185805
Methyl methanesulfonate	TX	6375	10185805
Methyl parathion (Parathion, methyl)	TX	7825	10185805
Mevinphos	TX	7850	10185805
Mirex	TX	7870	10185805

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Matrix: ***Non-Potable Water***

Naphthalene	TX	5005	10185805
Nitrobenzene	TX	5015	10185805
Nitroquinoline-1-oxide	TX	6515	10185805
n-Nitrosodiethylamine	TX	6525	10185805
n-Nitrosodimethylamine	TX	6530	10185805
n-Nitrosodi-n-butylamine	TX	5025	10185805
n-Nitrosodi-n-propylamine	TX	6545	10185805
n-Nitrosodiphenylamine	TX	6535	10185805
n-Nitrosomethylethylamine	TX	6550	10185805
n-Nitrosomorpholine	TX	6555	10185805
n-Nitrosopiperidine	TX	6560	10185805
n-Nitrosopyrrolidine	TX	6565	10185805
o,o,o-Triethyl phosphorothioate	TX	8290	10185805
Parathion, ethyl	TX	7955	10185805
p-Benzoquinone (Quinone)	TX	5620	10185805
Pentachlorobenzene	TX	6590	10185805
Pentachloronitrobenzene (PCNB)	TX	6600	10185805
Pentachlorophenol	TX	6605	10185805
Phenacetin	TX	6610	10185805
Phenanthrene	TX	6615	10185805
Phenol	TX	6625	10185805
Phorate	TX	7985	10185805
Pronamide (Kerb)	TX	6650	10185805
Pyrene	TX	6665	10185805
Pyridine	TX	5095	10185805
Safrole	TX	6685	10185805
Sulfotepp	TX	8155	10185805
Thionazin (Zinophos)	TX	8235	10185805
Toluene diisocyanate	TX	6775	10185805
tris-(2,3-Dibromopropyl) phosphate (tris-BP)	TX	8310	10185805

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Issue Date: 11/1/2012

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Matrix: ***Non-Potable Water***

Method	Analyte	AB	Analyte ID	Method ID
SM 4500-S2¯ E	Sulfide	TX	2005	20026408
SM 4500-SO3 B	Sulfite-SO3	TX	2015	20026806
SM 5210 B	Biochemical oxygen demand (BOD)	TX	1530	20027401
	Carbonaceous BOD, CBOD	TX	1555	20027401
SM 5310 D	Total Organic Carbon (TOC)	TX	2040	20028404
SM 5540 C	Surfactants - MBAS	TX	2025	20029009
TCEQ 1005	Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72228-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/10/2013 5:19:59 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72228-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	1
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?		X			2
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the DUP.
2	Selenium was detected above the MDL in the CCB analyzed on 04/29/13 at 14:16 and 14:43. Since the concentrations were below the MQL, no corrective action was required.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco, TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104936- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?			X		
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	1
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco, TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104936- Mercury

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco, TX	Laboratory Job Number: 600-72228
Reviewer Name: TWR	Prep Batch Number(s): 600-104936- Mercury

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the DUP.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228
Reviewer Name: YX	Prep Batch Number: 600-105049-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				1
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?		X			2

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228
Reviewer Name: YX	Prep Batch Number: 600-105049-VOA

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/02/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228
Reviewer Name: YX	Prep Batch Number: 600-105049-VOA

ER #[1]	DESCRIPTION
1	The MTBE SDL was elevated in sample 600-72228-1 due to the high concentration of this analyte.
2	The laboratory is not NELAC certified for Bromomethane. Recertification is in progress.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-72228
Reviewer Name: JOH	Prep Batch Number(s): 600-104949 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?		X			1
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			2
		Were MS/MSD RPDs within laboratory QC limits?		X			2
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
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Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-72228
Reviewer Name: JOH	Prep Batch Number(s): 600-104949 - SV

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?		X			3
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
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5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number 600-72228
Reviewer Name: JOH	Prep Batch Number(s): 600-104949 - SV

ER #[1]	DESCRIPTION
1	See Case Narrative.
2	Butyl benzyl phthalate and Di-n-butyl phthalate were detected above the MDL, but below the MQL in the method blank. The levels of detection are below the recommended reporting limits and the appropriate flags have been applied.
3	The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision were outside control limits. Matrix interference is suspected.
4	The continuing calibration verification (CCV) for analytical batch 105039 exceeded control criteria for Benzidine and 2,4-Dinitrophenol. The SOP allows for up to four non-CCC analytes to have a %drift greater than the acceptable limit. The data have been qualified and reported.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104925- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?			X		
		Were analytical duplicates analyzed at the appropriate frequency?			X		
		Were RPDs or relative standard deviations within the laboratory QC limits?			X		
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104925- TX1005

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?			X		
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?			X		
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?			X		
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 04/30/13
Project Name: Exide Recycling Center, Frisco TX Project	Laboratory Job Number: 600-72228-1
Reviewer Name: RJV	Prep Batch Number(s): 600-104925- TX1005

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix: Water
Method: 8260B_LL
Preparation: Wei Shen
Date Analyzed: 1/7/2013
Date Prepared: 1/7/2013
TALs Batches: 600-96768
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Chloromethane	0.18	0.5	0	2
Vinyl Chloride	0.11	0.5	0.461	2
Chloroethane	0.08	0.5	0.475	2
1,1-Dichloroethene	0.19	0.5	0.367	1
trans-1,2-Dichloroethene	0.09	0.5	0.506	1
Acetone	0.99	0.5	0	2
Carbon Disulfide	0.24	0.5	0.85	1
Methylene Chloride	0.15	0.5	0	1
Vinyl Acetate	0.21	0.5	0	1
cis-1,2-Dichloroethene	0.3	0.5	0.497	1
2-Butanone (MEK)	0.76	0.5	0	5
Bromochloromethane	0.18	0.5	0.459	1
Carbon Tetrachloride	0.15	0.5	2.45	5
Benzene	0.08	0.5	0.47	1
1,2-Dichloroethane	0.14	0.5	0.367	1
Trichloroethene	0.13	0.5	0.494	1
1,1,1-Trichloroethane	0.15	0.5	0.937	1
1,1-Dichloroethane	0.11	0.5	0.483	1
1,2-Dichloropropane	0.16	0.5	0.48	1
cis-1,3-Dichloropropene	0.18	0.5	0	1
4-Methyl-2-pentanone	0.45	0.5	0.861	2
Toluene	0.15	0.5	0.462	1
trans-1,3-Dichloropropene	0.21	0.5	0	1
1,1,2-Trichloroethane	0.28	0.5	0.41	1
Tetrachloroethene	0.18	0.5	0.477	1
2-Hexanone	0.35	0.5	0	
Chlorobenzene	0.12	0.5	0.502	1
Ethylbenzene	0.11	0.5	0.473	1
m,p-Xylene	0.17	0.5	0.844	2
o-Xylene	0.12	0.5	0.469	1
Xylenes (total)	0.26	0.5	1.31	3
Styrene	0.07	0.25	0.36	1
Bromoform	0.19	0.25	0	1
1,1,2,2-Tetrachloroethane	0.22	0.5	0	1
Chlorobromomethane	0.18	0.5	0.513	1
Chlorodibromomethane	0.15	0.5	1.08	1
Chloroform	0.13	0.5	0.505	1
Chloroform	0.16	0.5	0.392	1

Quality Control Report

Detection Check Standard

Matrix:	Water
Method:	8270C LL
Preparation:	3510C
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Lab Sample ID:	600-96501/6-A
Units:	ug/L

Analyte	MDL	DCS Spike	DCS Result	MQL
Pyridine	0.04	0.25	0.062	0.5
N-Nitrosodimethylamine	0.26	0.5	0.305	0.5
bis (2-Chloroisopropyl) ether	0.4	0.5	0.692	0.5
Aniline	0.08	0.25	0.143	0.5
Phenol	0.04	0.25	0.087	0.5
bis(2-Chloroethyl)ether	0.15	0.5	0.371	0.5
2-Chlorophenol	0.13	0.5	0.368	0.5
1,3-Dichlorobenzene	0.17	0.5	0.433	0.5
1,4-Dichlorobenzene	0.13	0.5	0.533	0.5
1,2-Dichlorobenzene	0.17	0.5	0.469	0.5
Benzyl alcohol	0.17	0.5	0.211	0.5
2-Methylphenol (o-cresol)	0.12	0.5	0.353	0.5
3&4-Methylphenol (m&p-Cresols)	0.2	0.5	0.287	1
N-Nitroso-di-n-propylamine	0.1	0.5	0.455	0.5
Hexachloroethane	0.1	0.5	0.490	0.5
Dibenzo(a,h)anthracene	0.08	0.25	0.889	0.5
Indeno(1,2,3-cd)pyrene	0.07	0.25	0.972	0.5
Nitrobenzene	0.11	0.25	0.298	0.5
Isophorone	0.11	0.25	0.207	0.5
2-Nitrophenol	0.22	0.5	0.608	0.5
Benzoic acid	2.51	5	7.32	2.5
2,4-Dimethylphenol	0.15	0.5	0.513	0.5
bis(2-Chloroethoxy)methane	0.13	0.5	0.455	0.5
2,4-Dichlorophenol	0.15	0.5	0.457	0.5
1,2,4-Trichlorobenzene	0.12	0.5	0.340	0.5
Naphthalene	0.08	0.25	0.242	0.5
Benzo(a)pyrene	0.08	0.25	0.530	0.5
Hexachlorobutadiene	0.18	0.5	0.611	0.5
4-Chloro-3-methylphenol	0.17	0.5	0.419	0.5
2-Methylnaphthalene	0.07	0.25	0.229	0.5
1-Methylnaphthalene	0.09	0.25	0.215	0.5
Benzo(k)fluoranthene	0.09	0.25	0.196	0.5
Hexachlorocyclopentadiene	0.13	0.5	0.560	0.5
2,4,6-Trichlorophenol	0.18	0.5	0.638	0.5
2,4,5-Trichlorophenol	0.25	0.5	0.656	0.5
2-Chloronaphthalene	0.08	0.25	0.231	0.5
2-Nitroaniline	0.19	0.5	0.787	0.5
1,4-Dinitrobenzene	0.5	0.5	0.747	0.5
1,3-Dinitrobenzene	0.08	0.25	0.637	0.5
1,2-Dinitrobenzene	0.5	0.5	0.832	0.5

Dimethylphthalate	0.07	0.25	0.220	0.5
Acenaphthylene	0.06	0.25	0.191	0.5
2,6-Dinitrotoluene	0.08	0.5	0.618	0.5
Benzo(b)fluoranthene	0.07	0.5	0.701	0.5
Acenaphthene	0.08	0.5	0.382	0.5
Di-n-octylphthalate	0.16	0.5	1.910	0.5
4-Nitrophenol	0.56	2.5	1.34	1
Dibenzofuran	0.08	0.25	0.181	0.5
2,4-Dinitrotoluene	0.13	0.5	0.538	0.5
2,3,4,6-Tetrachlorophenol	0.5	0.5	0.501	0.5
2,3,5,6-Tetrachlorophenol	0.5	0.5	0.201	0.5
Diethylphthalate	1.5	0.5	0.584	0.5
4-Chlorophenyl-phenylether	0.1	0.5	0.544	0.5
Fluorene	0.07	0.25	0.245	0.5
4-Nitroaniline	0.25	0.5	1.070	0.5
Chrysene	0.08	0.25	0.180	0.5
4,6-Dinitro-2-methylphenol	0.83	2.5	1.27	0.5
N-Nitrosodiphenylamine	0.1	0.5	0.366	0.5
Diphenylamine	0.1	0.5	0.344	0.5
1,2-Diphenylhydrazine	0.11	0.25	0.136	0.5
Azobenzene	0.07	0.25	0.156	0.5
4-Bromophenyl-phenylether	0.1	0.5	0.432	0.5
Hexachlorobenzene	0.11	0.25	0.218	0.5
Pentachlorophenol	0.61	0.5	1.460	0.5
Phenanthrene	0.06	0.25	0.222	0.5
Anthracene	0.05	0.25	0.234	0.5
Carbazole	0.17	0.5	0.418	0.5
Di-n-butylphthalate	0.11	0.25	0.503	0.5
Fluoranthene	0.07	0.25	0.198	0.5
Benzidine	0.61	1	0.434	0.5
Pyrene	0.11	0.25	0.205	0.5
Butylbenzylphthalate	0.12	0.5	0.857	0.5
3,3'-Dichlorobenzidine	0.18	0.5	0.463	0.5
Benzo(a)anthracene	0.08	0.25	0.184	0.5
bis(2-Ethylhexyl)phthalate	0.37	0.5	1.010	0.5
Benzo(g,h,i)perylene	0.08	0.25	0.554	0.5
4-Chloroaniline	0.21	0.5	0.380	0.5
3-Nitroaniline	0.16	0.5	0.691	0.5

Detection Check Standard

Matrix:	Water
Method:	TX1005
Preparation:	TX1005
Date Analyzed:	1/3/2013
Date Prepared:	1/3/2013
Data File:	FID-12\A010313_04.d
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	0.37	1	0.507	10
>C12-C28	0.96	1	0.46	10
Total C6-C35	0.96	2	0.967	10

Detection Check Standard

Matrix:	Water
Method:	7470, 245.1
Preparation:	7470p, 245.1p
Date Analyzed:	1/31/2013
Date Prepared:	1/31/2013
Instrument:	FIMS100
TALs Batches:	98523, 98496p
Units:	ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Mercury	0.082	0.16	0.078	0.2

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-72228-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72228-1

Comments
No additional comments.

Receipt
The samples were received on 4/27/2013 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 1.8º C and 2.6º C.

Except:

One or more containers for the following sample(s) was received broken or leaking: One Amber 1L for VCP-DUP-2.

Organic Prep
Method(s) 3510C: Elevated SDLs are provided for the following sample due to insufficient sample provided for preparation (<950mL): VCP-MW-10 (600-72228-1).

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
8270C LL	Semivolatile Organic Compounds by GCMS - Low Levels	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
7470A	Mercury (CVAA)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72228-1	VCP-MW-10	Water	04/26/13 10:40	04/27/13 09:14
600-72228-2	VCP-MW-9	Water	04/26/13 11:40	04/27/13 09:14
600-72228-3	VCP-MW-8	Water	04/26/13 13:00	04/27/13 09:14
600-72228-4	VCP-DUP-2	Water	04/26/13 13:00	04/27/13 09:14
600-72228-5	TRIP BLANK	Water	04/26/13 00:00	04/27/13 09:14

Client Sample ID: VCP-MW-10
Date Collected: 04/26/13 10:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/30/13 15:26	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:26	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 15:26	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 15:26	1
Bromomethane	**0.00632**	**J**	0.0100	0.00215	mg/L			04/30/13 15:26	1
2-Butanone (MEK)	**0.00319**	**J**	0.0100	0.00157	mg/L			04/30/13 15:26	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 15:26	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 15:26	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 15:26	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 15:26	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 15:26	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 15:26	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/30/13 15:26	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 15:26	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 15:26	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 15:26	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:26	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 15:26	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 15:26	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 15:26	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 15:26	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 15:26	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 15:26	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 15:26	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 15:26	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:26	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 15:26	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 15:26	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 15:26	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 15:26	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 15:26	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 15:26	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 15:26	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 15:26	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 15:26	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 15:26	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 15:26	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 15:26	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 15:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*04/30/13 15:26*	*1*
Dibromofluoromethane	*107*		*62 - 130*		*04/30/13 15:26*	*1*
4-Bromofluorobenzene	*103*		*67 - 139*		*04/30/13 15:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*		*04/30/13 15:26*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**3.64**		0.100	0.00880	mg/L			04/30/13 16:45	20

Client Sample ID: VCP-MW-10
Date Collected: 04/26/13 10:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-1
Matrix: Water

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	*110*		*70 - 130*		*04/30/13 16:45*	*20*
Dibromofluoromethane	*93*		*62 - 130*		*04/30/13 16:45*	*20*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/30/13 16:45*	*20*
1,2-Dichloroethane-d4 (Surr)	*105*		*50 - 134*		*04/30/13 16:45*	*20*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0879	U	1.10	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Acenaphthylene	0.0659	U	1.10	0.0659	ug/L		04/29/13 11:29	04/30/13 09:17	1
Anthracene	0.0549	U	1.10	0.0549	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzidine	0.670	U	11.0	0.670	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzo[a]anthracene	0.0879	U	2.20	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzo[b]fluoranthene	0.0769	U	2.20	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzo[k]fluoranthene	0.0989	U	2.20	0.0989	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzo[g,h,i]perylene	0.0879	U	2.75	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzo[a]pyrene	0.0879	U	1.65	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Bis(2-chloroethoxy)methane	0.143	U	1.65	0.143	ug/L		04/29/13 11:29	04/30/13 09:17	1
Bis(2-chloroethyl)ether	0.165	U	1.65	0.165	ug/L		04/29/13 11:29	04/30/13 09:17	1
Bis(2-ethylhexyl) phthalate	0.407	U	2.75	0.407	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Bromophenyl phenyl ether	0.110	U	1.65	0.110	ug/L		04/29/13 11:29	04/30/13 09:17	1
Butyl benzyl phthalate	**0.252**	**J b**	2.75	0.132	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Chloroaniline	0.231	U	1.10	0.231	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Chloronaphthalene	0.0879	U	1.65	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Chlorophenyl phenyl ether	0.110	U	1.65	0.110	ug/L		04/29/13 11:29	04/30/13 09:17	1
Carbazole	0.187	U	6.87	0.187	ug/L		04/29/13 11:29	04/30/13 09:17	1
Chrysene	0.0879	U	1.65	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Di-n-butyl phthalate	**0.158**	**J b**	2.75	0.121	ug/L		04/29/13 11:29	04/30/13 09:17	1
Dibenz(a,h)anthracene	0.0879	U	2.75	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
Dibenzofuran	0.0879	U	1.65	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
1,2-Dichlorobenzene	0.187	U	1.92	0.187	ug/L		04/29/13 11:29	04/30/13 09:17	1
1,3-Dichlorobenzene	0.187	U	1.65	0.187	ug/L		04/29/13 11:29	04/30/13 09:17	1
1,4-Dichlorobenzene	0.143	U	2.20	0.143	ug/L		04/29/13 11:29	04/30/13 09:17	1
3,3'-Dichlorobenzidine	0.198	U	11.0	0.198	ug/L		04/29/13 11:29	04/30/13 09:17	1
Diethyl phthalate	1.65	U	2.75	1.65	ug/L		04/29/13 11:29	04/30/13 09:17	1
Dimethyl phthalate	0.0769	U	2.75	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4-Dinitrotoluene	0.143	U	1.65	0.143	ug/L		04/29/13 11:29	04/30/13 09:17	1
Di-n-octyl phthalate	0.176	U	5.49	0.176	ug/L		04/29/13 11:29	04/30/13 09:17	1
Fluoranthene	0.0769	U	2.75	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
Fluorene	0.0769	U	1.65	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
Hexachlorobenzene	0.121	U	1.65	0.121	ug/L		04/29/13 11:29	04/30/13 09:17	1
Hexachlorocyclopentadiene	0.143	U	1.65	0.143	ug/L		04/29/13 11:29	04/30/13 09:17	1
Hexachloroethane	0.110	U	2.20	0.110	ug/L		04/29/13 11:29	04/30/13 09:17	1
Hexachlorobutadiene	0.198	U	2.20	0.198	ug/L		04/29/13 11:29	04/30/13 09:17	1
Indeno[1,2,3-cd]pyrene	0.0769	U	2.20	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
Isophorone	0.121	U	1.65	0.121	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Methylnaphthalene	0.0769	U	1.65	0.0769	ug/L		04/29/13 11:29	04/30/13 09:17	1
Naphthalene	0.0879	U	5.49	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Nitroaniline	0.209	U	2.75	0.209	ug/L		04/29/13 11:29	04/30/13 09:17	1
3-Nitroaniline	0.176	U	2.75	0.176	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Nitroaniline	0.275	U	2.75	0.275	ug/L		04/29/13 11:29	04/30/13 09:17	1

Client Sample ID: VCP-MW-10
Date Collected: 04/26/13 10:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-1
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrobenzene	0.121	U	1.65	0.121	ug/L		04/29/13 11:29	04/30/13 09:17	1
N-Nitrosodimethylamine	0.286	U	2.20	0.286	ug/L		04/29/13 11:29	04/30/13 09:17	1
N-Nitrosodiphenylamine	0.110	U	1.65	0.110	ug/L		04/29/13 11:29	04/30/13 09:17	1
N-Nitrosodi-n-propylamine	0.110	U	2.75	0.110	ug/L		04/29/13 11:29	04/30/13 09:17	1
Phenanthrene	0.0659	U	1.65	0.0659	ug/L		04/29/13 11:29	04/30/13 09:17	1
Pyrene	0.121	U	2.20	0.121	ug/L		04/29/13 11:29	04/30/13 09:17	1
1,2,4-Trichlorobenzene	0.132	U	2.20	0.132	ug/L		04/29/13 11:29	04/30/13 09:17	1
Benzyl alcohol	0.187	U	6.04	0.187	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Chloro-3-methylphenol	0.187	U	1.10	0.187	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Chlorophenol	0.143	U	2.20	0.143	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Methylphenol	0.132	U	1.65	0.132	ug/L		04/29/13 11:29	04/30/13 09:17	1
3 & 4 Methylphenol	0.220	U	1.10	0.220	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4-Dichlorophenol	0.165	U	2.75	0.165	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4-Dimethylphenol	0.341	U	2.75	0.341	ug/L		04/29/13 11:29	04/30/13 09:17	1
4,6-Dinitro-2-methylphenol	0.912	U	2.75	0.912	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4-Dinitrophenol	0.429	U	5.49	0.429	ug/L		04/29/13 11:29	04/30/13 09:17	1
2-Nitrophenol	0.242	U	1.10	0.242	ug/L		04/29/13 11:29	04/30/13 09:17	1
4-Nitrophenol	0.615	U	2.75	0.615	ug/L		04/29/13 11:29	04/30/13 09:17	1
Pentachlorophenol	0.670	U	2.75	0.670	ug/L		04/29/13 11:29	04/30/13 09:17	1
Phenol	0.0440	U	1.65	0.0440	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4,5-Trichlorophenol	0.275	U	2.20	0.275	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,4,6-Trichlorophenol	0.198	U	2.20	0.198	ug/L		04/29/13 11:29	04/30/13 09:17	1
2,6-Dinitrotoluene	0.0879	U	1.10	0.0879	ug/L		04/29/13 11:29	04/30/13 09:17	1
bis (2-Chloroisopropyl) ether	0.440	U	1.65	0.440	ug/L		04/29/13 11:29	04/30/13 09:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*103*		*33 - 141*	*04/29/13 11:29*	*04/30/13 09:17*	*1*
Nitrobenzene-d5	*66*		*47 - 120*	*04/29/13 11:29*	*04/30/13 09:17*	*1*
2-Fluorophenol	*33*		*18 - 120*	*04/29/13 11:29*	*04/30/13 09:17*	*1*
2-Fluorobiphenyl	*81*		*43 - 120*	*04/29/13 11:29*	*04/30/13 09:17*	*1*
2,4,6-Tribromophenol	*71*		*44 - 123*	*04/29/13 11:29*	*04/30/13 09:17*	*1*
Phenol-d5 (Surr)	*20*		*12 - 128*	*04/29/13 11:29*	*04/30/13 09:17*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.808	U	4.87	0.808	mg/L		04/29/13 08:34	04/29/13 14:17	1
>C12-C28	0.934	U	4.87	0.934	mg/L		04/29/13 08:34	04/29/13 14:17	1
>C28-C35	0.934	U	4.87	0.934	mg/L		04/29/13 08:34	04/29/13 14:17	1
C6-C35	1.52	U	4.87	1.52	mg/L		04/29/13 08:34	04/29/13 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*108*		*70 - 130*	*04/29/13 08:34*	*04/29/13 14:17*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		04/29/13 07:20	04/29/13 14:01	1
Cr	0.00155	U	0.0100	0.00155	mg/L		04/29/13 07:20	04/29/13 14:01	1
Cd	0.000350	U	0.00500	0.000350	mg/L		04/29/13 07:20	04/29/13 14:01	1
Ba	**0.0426**		0.0200	0.00220	mg/L		04/29/13 07:20	04/29/13 14:01	1
As	0.00328	U	0.0100	0.00328	mg/L		04/29/13 07:20	04/29/13 14:01	1

Client Sample ID: VCP-MW-10
Lab Sample ID: 600-72228-1

Date Collected: 04/26/13 10:40
Matrix: Water
Date Received: 04/27/13 09:14

Method: 6010B - Metals (ICP) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Ag	0.00125	U	0.0100	0.00125	mg/L		04/29/13 07:20	04/29/13 14:01	1
Se	0.00417	U	0.0400	0.00417	mg/L		04/29/13 07:20	04/29/13 14:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		04/29/13 10:02	04/29/13 13:31	1

Client Sample ID: VCP-MW-9
Lab Sample ID: 600-72228-2

Date Collected: 04/26/13 11:40
Matrix: Water
Date Received: 04/27/13 09:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/30/13 14:08	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:08	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 14:08	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 14:08	1
Bromomethane	**0.00584**	**J**	0.0100	0.00215	mg/L			04/30/13 14:08	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/30/13 14:08	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 14:08	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 14:08	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 14:08	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 14:08	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 14:08	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 14:08	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/30/13 14:08	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 14:08	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 14:08	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 14:08	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:08	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 14:08	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 14:08	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 14:08	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 14:08	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 14:08	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 14:08	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 14:08	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 14:08	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:08	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 14:08	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 14:08	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 14:08	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 14:08	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 14:08	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 14:08	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 14:08	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 14:08	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 14:08	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 14:08	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 14:08	1

Client Sample ID: VCP-MW-9
Date Collected: 04/26/13 11:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-2
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 14:08	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 14:08	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/30/13 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*108*		*70 - 130*		*04/30/13 14:08*	*1*
Dibromofluoromethane	*99*		*62 - 130*		*04/30/13 14:08*	*1*
4-Bromofluorobenzene	*101*		*67 - 139*		*04/30/13 14:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*50 - 134*		*04/30/13 14:08*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Acenaphthylene	0.0577	U	0.962	0.0577	ug/L		04/29/13 11:29	04/30/13 09:44	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzidine	0.587	U	9.62	0.587	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzo[a]anthracene	0.0769	U	1.92	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Bis(2-chloroethoxy)methane	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 09:44	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		04/29/13 11:29	04/30/13 09:44	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Bromophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 09:44	1
Butyl benzyl phthalate	**0.260**	**J b**	2.40	0.115	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Chloroaniline	0.202	U	0.962	0.202	ug/L		04/29/13 11:29	04/30/13 09:44	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 09:44	1
Carbazole	0.163	U	6.01	0.163	ug/L		04/29/13 11:29	04/30/13 09:44	1
Chrysene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Di-n-butyl phthalate	**0.143**	**J b**	2.40	0.106	ug/L		04/29/13 11:29	04/30/13 09:44	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
Dibenzofuran	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		04/29/13 11:29	04/30/13 09:44	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		04/29/13 11:29	04/30/13 09:44	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 09:44	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		04/29/13 11:29	04/30/13 09:44	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		04/29/13 11:29	04/30/13 09:44	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 09:44	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		04/29/13 11:29	04/30/13 09:44	1
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
Fluorene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 09:44	1
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 09:44	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		04/29/13 11:29	04/30/13 09:44	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 09:44	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
Isophorone	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 09:44	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Client Sample ID: VCP-MW-9
Date Collected: 04/26/13 11:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-2
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Methylnaphthalene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 09:44	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		04/29/13 11:29	04/30/13 09:44	1
3-Nitroaniline	0.154	U	2.40	0.154	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Nitroaniline	0.240	U	2.40	0.240	ug/L		04/29/13 11:29	04/30/13 09:44	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 09:44	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		04/29/13 11:29	04/30/13 09:44	1
N-Nitrosodiphenylamine	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 09:44	1
N-Nitrosodi-n-propylamine	0.0962	U	2.40	0.0962	ug/L		04/29/13 11:29	04/30/13 09:44	1
Phenanthrene	0.0577	U	1.44	0.0577	ug/L		04/29/13 11:29	04/30/13 09:44	1
Pyrene	0.106	U	1.92	0.106	ug/L		04/29/13 11:29	04/30/13 09:44	1
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		04/29/13 11:29	04/30/13 09:44	1
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		04/29/13 11:29	04/30/13 09:44	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 09:44	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		04/29/13 11:29	04/30/13 09:44	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		04/29/13 11:29	04/30/13 09:44	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		04/29/13 11:29	04/30/13 09:44	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		04/29/13 11:29	04/30/13 09:44	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		04/29/13 11:29	04/30/13 09:44	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		04/29/13 11:29	04/30/13 09:44	1
Phenol	0.0385	U	1.44	0.0385	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 09:44	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 09:44	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		04/29/13 11:29	04/30/13 09:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*93*		*33 - 141*	*04/29/13 11:29*	*04/30/13 09:44*	*1*
Nitrobenzene-d5	*64*		*47 - 120*	*04/29/13 11:29*	*04/30/13 09:44*	*1*
2-Fluorophenol	*27*		*18 - 120*	*04/29/13 11:29*	*04/30/13 09:44*	*1*
2-Fluorobiphenyl	*73*		*43 - 120*	*04/29/13 11:29*	*04/30/13 09:44*	*1*
2,4,6-Tribromophenol	*71*		*44 - 123*	*04/29/13 11:29*	*04/30/13 09:44*	*1*
Phenol-d5 (Surr)	*15*		*12 - 128*	*04/29/13 11:29*	*04/30/13 09:44*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.808	U	4.87	0.808	mg/L		04/29/13 08:34	04/29/13 14:54	1
>C12-C28	0.934	U	4.87	0.934	mg/L		04/29/13 08:34	04/29/13 14:54	1
>C28-C35	0.934	U	4.87	0.934	mg/L		04/29/13 08:34	04/29/13 14:54	1
C6-C35	1.52	U	4.87	1.52	mg/L		04/29/13 08:34	04/29/13 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*70 - 130*	*04/29/13 08:34*	*04/29/13 14:54*	*1*

Client Sample ID: VCP-MW-9

Lab Sample ID: 600-72228-2

Date Collected: 04/26/13 11:40

Matrix: Water

Date Received: 04/27/13 09:14

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		04/29/13 07:20	04/29/13 14:05	1
Cr	0.00155	U	0.0100	0.00155	mg/L		04/29/13 07:20	04/29/13 14:05	1
Cd	0.000350	U	0.00500	0.000350	mg/L		04/29/13 07:20	04/29/13 14:05	1
Ba	**0.0152**	**J**	0.0200	0.00220	mg/L		04/29/13 07:20	04/29/13 14:05	1
As	**0.0166**		0.0100	0.00328	mg/L		04/29/13 07:20	04/29/13 14:05	1
Ag	0.00125	U	0.0100	0.00125	mg/L		04/29/13 07:20	04/29/13 14:05	1
Se	0.00417	U	0.0400	0.00417	mg/L		04/29/13 07:20	04/29/13 14:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		04/29/13 10:02	04/29/13 13:33	1

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-72228-3

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/30/13 14:34	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:34	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 14:34	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 14:34	1
Bromomethane	**0.00640**	**J**	0.0100	0.00215	mg/L			04/30/13 14:34	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/30/13 14:34	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 14:34	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 14:34	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 14:34	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 14:34	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 14:34	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 14:34	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/30/13 14:34	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 14:34	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 14:34	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 14:34	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:34	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 14:34	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 14:34	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 14:34	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 14:34	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 14:34	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 14:34	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 14:34	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 14:34	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 14:34	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 14:34	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 14:34	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 14:34	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 14:34	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 14:34	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 14:34	1

Client Sample ID: VCP-MW-8
Date Collected: 04/26/13 13:00
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-3
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 14:34	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 14:34	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 14:34	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 14:34	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 14:34	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 14:34	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 14:34	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/30/13 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*110*		*70 - 130*		*04/30/13 14:34*	*1*
Dibromofluoromethane	*105*		*62 - 130*		*04/30/13 14:34*	*1*
4-Bromofluorobenzene	*102*		*67 - 139*		*04/30/13 14:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*50 - 134*		*04/30/13 14:34*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Acenaphthylene	0.0577	U	0.962	0.0577	ug/L		04/29/13 11:29	04/30/13 10:10	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzidine	0.587	U	9.62	0.587	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzo[a]anthracene	0.0769	U	1.92	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Bis(2-chloroethoxy)methane	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 10:10	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		04/29/13 11:29	04/30/13 10:10	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Bromophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 10:10	1
Butyl benzyl phthalate	**0.514**	**J b**	2.40	0.115	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Chloroaniline	0.202	U	0.962	0.202	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 10:10	1
Carbazole	0.163	U	6.01	0.163	ug/L		04/29/13 11:29	04/30/13 10:10	1
Chrysene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Di-n-butyl phthalate	**0.366**	**J b**	2.40	0.106	ug/L		04/29/13 11:29	04/30/13 10:10	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
Dibenzofuran	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		04/29/13 11:29	04/30/13 10:10	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		04/29/13 11:29	04/30/13 10:10	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 10:10	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		04/29/13 11:29	04/30/13 10:10	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		04/29/13 11:29	04/30/13 10:10	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 10:10	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		04/29/13 11:29	04/30/13 10:10	1
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
Fluorene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 10:10	1

Client Sample ID: VCP-MW-8
Lab Sample ID: 600-72228-3
Date Collected: 04/26/13 13:00
Matrix: Water
Date Received: 04/27/13 09:14

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 10:10	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		04/29/13 11:29	04/30/13 10:10	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 10:10	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
Isophorone	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Methylnaphthalene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 10:10	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		04/29/13 11:29	04/30/13 10:10	1
3-Nitroaniline	0.154	U	2.40	0.154	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Nitroaniline	0.240	U	2.40	0.240	ug/L		04/29/13 11:29	04/30/13 10:10	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 10:10	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		04/29/13 11:29	04/30/13 10:10	1
N-Nitrosodiphenylamine	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 10:10	1
N-Nitrosodi-n-propylamine	0.0962	U	2.40	0.0962	ug/L		04/29/13 11:29	04/30/13 10:10	1
Phenanthrene	0.0577	U	1.44	0.0577	ug/L		04/29/13 11:29	04/30/13 10:10	1
Pyrene	0.106	U	1.92	0.106	ug/L		04/29/13 11:29	04/30/13 10:10	1
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		04/29/13 11:29	04/30/13 10:10	1
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		04/29/13 11:29	04/30/13 10:10	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		04/29/13 11:29	04/30/13 10:10	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		04/29/13 11:29	04/30/13 10:10	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		04/29/13 11:29	04/30/13 10:10	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		04/29/13 11:29	04/30/13 10:10	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		04/29/13 11:29	04/30/13 10:10	1
Phenol	0.0385	U	1.44	0.0385	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 10:10	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 10:10	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		04/29/13 11:29	04/30/13 10:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*94*		*33 - 141*	*04/29/13 11:29*	*04/30/13 10:10*	*1*
Nitrobenzene-d5	*56*		*47 - 120*	*04/29/13 11:29*	*04/30/13 10:10*	*1*
2-Fluorophenol	*29*		*18 - 120*	*04/29/13 11:29*	*04/30/13 10:10*	*1*
2-Fluorobiphenyl	*57*		*43 - 120*	*04/29/13 11:29*	*04/30/13 10:10*	*1*
2,4,6-Tribromophenol	*58*		*44 - 123*	*04/29/13 11:29*	*04/30/13 10:10*	*1*
Phenol-d5 (Surr)	*16*		*12 - 128*	*04/29/13 11:29*	*04/30/13 10:10*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.819	U	4.94	0.819	mg/L		04/29/13 08:34	04/29/13 15:30	1
>C12-C28	0.948	U	4.94	0.948	mg/L		04/29/13 08:34	04/29/13 15:30	1
>C28-C35	0.948	U	4.94	0.948	mg/L		04/29/13 08:34	04/29/13 15:30	1
C6-C35	1.54	U	4.94	1.54	mg/L		04/29/13 08:34	04/29/13 15:30	1

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-72228-3

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*111*		*70 - 130*	*04/29/13 08:34*	*04/29/13 15:30*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		04/29/13 07:20	04/29/13 14:08	1
Cr	0.00155	U	0.0100	0.00155	mg/L		04/29/13 07:20	04/29/13 14:08	1
Cd	0.000350	U	0.00500	0.000350	mg/L		04/29/13 07:20	04/29/13 14:08	1
Ba	**0.107**		0.0200	0.00220	mg/L		04/29/13 07:20	04/29/13 14:08	1
As	0.00328	U	0.0100	0.00328	mg/L		04/29/13 07:20	04/29/13 14:08	1
Ag	0.00125	U	0.0100	0.00125	mg/L		04/29/13 07:20	04/29/13 14:08	1
Se	0.00417	U	0.0400	0.00417	mg/L		04/29/13 07:20	04/29/13 14:08	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		04/29/13 10:02	04/29/13 13:35	1

Client Sample ID: VCP-DUP-2

Lab Sample ID: 600-72228-4

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/30/13 15:00	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:00	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 15:00	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 15:00	1
Bromomethane	**0.00558**	**J**	0.0100	0.00215	mg/L			04/30/13 15:00	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/30/13 15:00	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 15:00	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 15:00	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 15:00	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 15:00	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 15:00	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 15:00	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/30/13 15:00	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 15:00	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 15:00	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 15:00	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:00	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 15:00	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 15:00	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 15:00	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 15:00	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 15:00	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 15:00	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 15:00	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 15:00	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 15:00	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 15:00	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 15:00	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 15:00	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Client Sample ID: VCP-DUP-2
Date Collected: 04/26/13 13:00
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-4
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 15:00	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 15:00	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 15:00	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 15:00	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 15:00	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 15:00	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 15:00	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 15:00	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 15:00	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 15:00	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/30/13 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*111*		*70 - 130*		*04/30/13 15:00*	*1*
Dibromofluoromethane	*106*		*62 - 130*		*04/30/13 15:00*	*1*
4-Bromofluorobenzene	*105*		*67 - 139*		*04/30/13 15:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*04/30/13 15:00*	*1*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Acenaphthylene	0.0577	U	0.962	0.0577	ug/L		04/29/13 11:29	04/30/13 11:30	1
Anthracene	0.0481	U	0.962	0.0481	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzidine	0.587	U	9.62	0.587	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzo[a]anthracene	0.0769	U	1.92	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzo[b]fluoranthene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzo[k]fluoranthene	0.0865	U	1.92	0.0865	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzo[g,h,i]perylene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzo[a]pyrene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Bis(2-chloroethoxy)methane	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 11:30	1
Bis(2-chloroethyl)ether	0.144	U	1.44	0.144	ug/L		04/29/13 11:29	04/30/13 11:30	1
Bis(2-ethylhexyl) phthalate	0.356	U	2.40	0.356	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Bromophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 11:30	1
Butyl benzyl phthalate	**0.168**	**J b**	2.40	0.115	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Chloroaniline	0.202	U	0.962	0.202	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Chloronaphthalene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Chlorophenyl phenyl ether	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 11:30	1
Carbazole	0.163	U	6.01	0.163	ug/L		04/29/13 11:29	04/30/13 11:30	1
Chrysene	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Di-n-butyl phthalate	**0.166**	**J b**	2.40	0.106	ug/L		04/29/13 11:29	04/30/13 11:30	1
Dibenz(a,h)anthracene	0.0769	U	2.40	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
Dibenzofuran	0.0769	U	1.44	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
1,2-Dichlorobenzene	0.163	U	1.68	0.163	ug/L		04/29/13 11:29	04/30/13 11:30	1
1,3-Dichlorobenzene	0.163	U	1.44	0.163	ug/L		04/29/13 11:29	04/30/13 11:30	1
1,4-Dichlorobenzene	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 11:30	1
3,3'-Dichlorobenzidine	0.173	U	9.62	0.173	ug/L		04/29/13 11:29	04/30/13 11:30	1
Diethyl phthalate	1.44	U	2.40	1.44	ug/L		04/29/13 11:29	04/30/13 11:30	1
Dimethyl phthalate	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4-Dinitrotoluene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 11:30	1
Di-n-octyl phthalate	0.154	U	4.81	0.154	ug/L		04/29/13 11:29	04/30/13 11:30	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Client Sample ID: VCP-DUP-2
Date Collected: 04/26/13 13:00
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-4
Matrix: Water

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	0.0673	U	2.40	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
Fluorene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
Hexachlorobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 11:30	1
Hexachlorocyclopentadiene	0.125	U	1.44	0.125	ug/L		04/29/13 11:29	04/30/13 11:30	1
Hexachloroethane	0.0962	U	1.92	0.0962	ug/L		04/29/13 11:29	04/30/13 11:30	1
Hexachlorobutadiene	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 11:30	1
Indeno[1,2,3-cd]pyrene	0.0673	U	1.92	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
Isophorone	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Methylnaphthalene	0.0673	U	1.44	0.0673	ug/L		04/29/13 11:29	04/30/13 11:30	1
Naphthalene	0.0769	U	4.81	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Nitroaniline	0.183	U	2.40	0.183	ug/L		04/29/13 11:29	04/30/13 11:30	1
3-Nitroaniline	0.154	U	2.40	0.154	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Nitroaniline	0.240	U	2.40	0.240	ug/L		04/29/13 11:29	04/30/13 11:30	1
Nitrobenzene	0.106	U	1.44	0.106	ug/L		04/29/13 11:29	04/30/13 11:30	1
N-Nitrosodimethylamine	0.250	U	1.92	0.250	ug/L		04/29/13 11:29	04/30/13 11:30	1
N-Nitrosodiphenylamine	0.0962	U	1.44	0.0962	ug/L		04/29/13 11:29	04/30/13 11:30	1
N-Nitrosodi-n-propylamine	0.0962	U	2.40	0.0962	ug/L		04/29/13 11:29	04/30/13 11:30	1
Phenanthrene	0.0577	U	1.44	0.0577	ug/L		04/29/13 11:29	04/30/13 11:30	1
Pyrene	0.106	U	1.92	0.106	ug/L		04/29/13 11:29	04/30/13 11:30	1
1,2,4-Trichlorobenzene	0.115	U	1.92	0.115	ug/L		04/29/13 11:29	04/30/13 11:30	1
Benzyl alcohol	0.163	U	5.29	0.163	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Chloro-3-methylphenol	0.163	U	0.962	0.163	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Chlorophenol	0.125	U	1.92	0.125	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Methylphenol	0.115	U	1.44	0.115	ug/L		04/29/13 11:29	04/30/13 11:30	1
3 & 4 Methylphenol	0.192	U	0.962	0.192	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4-Dichlorophenol	0.144	U	2.40	0.144	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4-Dimethylphenol	0.298	U	2.40	0.298	ug/L		04/29/13 11:29	04/30/13 11:30	1
4,6-Dinitro-2-methylphenol	0.798	U	2.40	0.798	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4-Dinitrophenol	0.375	U	4.81	0.375	ug/L		04/29/13 11:29	04/30/13 11:30	1
2-Nitrophenol	0.212	U	0.962	0.212	ug/L		04/29/13 11:29	04/30/13 11:30	1
4-Nitrophenol	0.538	U	2.40	0.538	ug/L		04/29/13 11:29	04/30/13 11:30	1
Pentachlorophenol	0.587	U	2.40	0.587	ug/L		04/29/13 11:29	04/30/13 11:30	1
Phenol	0.0385	U	1.44	0.0385	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4,5-Trichlorophenol	0.240	U	1.92	0.240	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,4,6-Trichlorophenol	0.173	U	1.92	0.173	ug/L		04/29/13 11:29	04/30/13 11:30	1
2,6-Dinitrotoluene	0.0769	U	0.962	0.0769	ug/L		04/29/13 11:29	04/30/13 11:30	1
bis (2-Chloroisopropyl) ether	0.385	U	1.44	0.385	ug/L		04/29/13 11:29	04/30/13 11:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*91*		*33 - 141*	*04/29/13 11:29*	*04/30/13 11:30*	*1*
Nitrobenzene-d5	*65*		*47 - 120*	*04/29/13 11:29*	*04/30/13 11:30*	*1*
2-Fluorophenol	*32*		*18 - 120*	*04/29/13 11:29*	*04/30/13 11:30*	*1*
2-Fluorobiphenyl	*70*		*43 - 120*	*04/29/13 11:29*	*04/30/13 11:30*	*1*
2,4,6-Tribromophenol	*66*		*44 - 123*	*04/29/13 11:29*	*04/30/13 11:30*	*1*
Phenol-d5 (Surr)	*18*		*12 - 128*	*04/29/13 11:29*	*04/30/13 11:30*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.823	U	4.96	0.823	mg/L		04/29/13 08:34	04/29/13 17:19	1
>C12-C28	0.952	U	4.96	0.952	mg/L		04/29/13 08:34	04/29/13 17:19	1

Client Sample ID: VCP-DUP-2

Lab Sample ID: 600-72228-4

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
>C28-C35	0.952	U	4.96	0.952	mg/L		04/29/13 08:34	04/29/13 17:19	1
C6-C35	1.55	U	4.96	1.55	mg/L		04/29/13 08:34	04/29/13 17:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*104*		*70 - 130*	*04/29/13 08:34*	*04/29/13 17:19*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		04/29/13 07:20	04/29/13 14:28	1
Cr	0.00155	U	0.0100	0.00155	mg/L		04/29/13 07:20	04/29/13 14:28	1
Cd	0.000350	U	0.00500	0.000350	mg/L		04/29/13 07:20	04/29/13 14:28	1
Ba	**0.109**		0.0200	0.00220	mg/L		04/29/13 07:20	04/29/13 14:28	1
As	0.00328	U	0.0100	0.00328	mg/L		04/29/13 07:20	04/29/13 14:28	1
Ag	0.00125	U	0.0100	0.00125	mg/L		04/29/13 07:20	04/29/13 14:28	1
Se	0.00417	U	0.0400	0.00417	mg/L		04/29/13 07:20	04/29/13 14:28	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		04/29/13 10:02	04/29/13 13:40	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-72228-5

Date Collected: 04/26/13 00:00

Matrix: Water

Date Received: 04/27/13 09:14

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**0.00299**	**J**	0.0100	0.00227	mg/L			04/30/13 11:07	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 11:07	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 11:07	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 11:07	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			04/30/13 11:07	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/30/13 11:07	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 11:07	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 11:07	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 11:07	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 11:07	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 11:07	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 11:07	1
Chloromethane	**0.000853**	**J**	0.0100	0.000850	mg/L			04/30/13 11:07	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 11:07	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 11:07	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 11:07	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 11:07	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 11:07	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 11:07	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 11:07	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 11:07	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 11:07	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 11:07	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 11:07	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Client Sample ID: TRIP BLANK
Date Collected: 04/26/13 00:00
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-5
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 11:07	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 11:07	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 11:07	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 11:07	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 11:07	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 11:07	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 11:07	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 11:07	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 11:07	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 11:07	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 11:07	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 11:07	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 11:07	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 11:07	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 11:07	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/30/13 11:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*112*		*70 - 130*		*04/30/13 11:07*	*1*
Dibromofluoromethane	*115*		*62 - 130*		*04/30/13 11:07*	*1*
4-Bromofluorobenzene	*104*		*67 - 139*		*04/30/13 11:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*		*04/30/13 11:07*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
N	MS, MSD: Spike recovery exceeds upper or lower control limits.
N	RPD of the MS and MSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		TOL	DBFM	BFB	12DCE
Lab Sample ID	Client Sample ID	(70-130)	(62-130)	(67-139)	(50-134)
600-72228-1	VCP-MW-10	111	107	103	106
600-72228-1 - DL	VCP-MW-10	110	93	105	105
600-72228-2	VCP-MW-9	108	99	101	102
600-72228-3	VCP-MW-8	110	105	102	108
600-72228-3 MS	VCP-MW-8	110	107	102	109
600-72228-3 MSD	VCP-MW-8	106	102	104	106
600-72228-4	VCP-DUP-2	111	106	105	109
600-72228-5	TRIP BLANK	112	115	104	109
LCS 600-105049/3	Lab Control Sample	110	101	104	107
MB 600-105049/4	Method Blank	107	104	100	104

Surrogate Legend

TOL = Toluene-d8 (Surr)
DBFM = Dibromofluoromethane
BFB = 4-Bromofluorobenzene
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TPH	NBZ	2FP	FBP	TBP	PHL
Lab Sample ID	Client Sample ID	(33-141)	(47-120)	(18-120)	(43-120)	(44-123)	(12-128)
600-72228-1	VCP-MW-10	103	66	33	81	71	20
600-72228-2	VCP-MW-9	93	64	27	73	71	15
600-72228-3	VCP-MW-8	94	56	29	57	58	16
600-72228-3 MS	VCP-MW-8	99	52	41	63	74	26
600-72228-3 MSD	VCP-MW-8	82	58	44	61	79	28
600-72228-4	VCP-DUP-2	91	65	32	70	66	18
LCS 600-104949/2-A	Lab Control Sample	99	73	53	86	90	35
MB 600-104949/1-A	Method Blank	96	77	56	86	69	35

Surrogate Legend

TPH = Terphenyl-d14
NBZ = Nitrobenzene-d5
2FP = 2-Fluorophenol
FBP = 2-Fluorobiphenyl
TBP = 2,4,6-Tribromophenol
PHL = Phenol-d5 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-72228-1	VCP-MW-10	108
600-72228-2	VCP-MW-9	109
600-72228-3	VCP-MW-8	111
600-72228-3 MS	VCP-MW-8	125

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	OTPH (70-130)							
600-72228-3 MSD	VCP-MW-8	122							
600-72228-4	VCP-DUP-2	104							
LCS 600-104925/2-A	Lab Control Sample	123							
MB 600-104925/1-A	Method Blank	105							

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-105049/4
Matrix: Water
Analysis Batch: 105049

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.00227	U	0.0100	0.00227	mg/L			04/30/13 10:42	1
Benzene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 10:42	1
Chlorobromomethane	0.000810	U	0.00500	0.000810	mg/L			04/30/13 10:42	1
Bromoform	0.000770	U	0.00500	0.000770	mg/L			04/30/13 10:42	1
Bromomethane	0.00215	U	0.0100	0.00215	mg/L			04/30/13 10:42	1
2-Butanone (MEK)	0.00157	U	0.0100	0.00157	mg/L			04/30/13 10:42	1
Carbon disulfide	0.00170	U	0.00500	0.00170	mg/L			04/30/13 10:42	1
Carbon tetrachloride	0.000920	U	0.00500	0.000920	mg/L			04/30/13 10:42	1
Dibromochloromethane	0.000920	U	0.00500	0.000920	mg/L			04/30/13 10:42	1
Chlorobenzene	0.000820	U	0.00500	0.000820	mg/L			04/30/13 10:42	1
Chloroethane	0.00173	U	0.0100	0.00173	mg/L			04/30/13 10:42	1
Chloroform	0.000820	U	0.00500	0.000820	mg/L			04/30/13 10:42	1
Chloromethane	0.000850	U	0.0100	0.000850	mg/L			04/30/13 10:42	1
1,1-Dichloroethane	0.000500	U	0.00500	0.000500	mg/L			04/30/13 10:42	1
1,2-Dichloroethane	0.00101	U	0.00500	0.00101	mg/L			04/30/13 10:42	1
1,1-Dichloroethene	0.000760	U	0.00500	0.000760	mg/L			04/30/13 10:42	1
cis-1,2-Dichloroethene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 10:42	1
trans-1,2-Dichloroethene	0.000880	U	0.00500	0.000880	mg/L			04/30/13 10:42	1
1,2-Dichloropropane	0.00141	U	0.00500	0.00141	mg/L			04/30/13 10:42	1
cis-1,3-Dichloropropene	0.000970	U	0.00500	0.000970	mg/L			04/30/13 10:42	1
trans-1,3-Dichloropropene	0.000590	U	0.00500	0.000590	mg/L			04/30/13 10:42	1
Ethylbenzene	0.00129	U	0.00500	0.00129	mg/L			04/30/13 10:42	1
2-Hexanone	0.00142	U	0.0100	0.00142	mg/L			04/30/13 10:42	1
Methylene Chloride	0.00143	U	0.0100	0.00143	mg/L			04/30/13 10:42	1
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.0100	0.00111	mg/L			04/30/13 10:42	1
Styrene	0.000560	U	0.00500	0.000560	mg/L			04/30/13 10:42	1
1,1,2,2-Tetrachloroethane	0.000800	U	0.00500	0.000800	mg/L			04/30/13 10:42	1
Tetrachloroethene	0.00124	U	0.00500	0.00124	mg/L			04/30/13 10:42	1
Toluene	0.000550	U	0.00500	0.000550	mg/L			04/30/13 10:42	1
1,1,1-Trichloroethane	0.000980	U	0.00500	0.000980	mg/L			04/30/13 10:42	1
1,1,2-Trichloroethane	0.000530	U	0.00500	0.000530	mg/L			04/30/13 10:42	1
Trichloroethene	0.00158	U	0.00500	0.00158	mg/L			04/30/13 10:42	1
Vinyl acetate	0.000600	U	0.0100	0.000600	mg/L			04/30/13 10:42	1
Vinyl chloride	0.000850	U	0.00500	0.000850	mg/L			04/30/13 10:42	1
o-Xylene	0.000930	U	0.00500	0.000930	mg/L			04/30/13 10:42	1
m-Xylene & p-Xylene	0.00126	U	0.0100	0.00126	mg/L			04/30/13 10:42	1
Xylenes, Total	0.00198	U	0.00500	0.00198	mg/L			04/30/13 10:42	1
Bromodichloromethane	0.000760	U	0.00500	0.000760	mg/L			04/30/13 10:42	1
1,2-Dichloroethene, Total	0.000840	U	0.0100	0.000840	mg/L			04/30/13 10:42	1
Methyl tert-butyl ether	0.000440	U	0.00500	0.000440	mg/L			04/30/13 10:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*107*		*70 - 130*		*04/30/13 10:42*	*1*
Dibromofluoromethane	*104*		*62 - 130*		*04/30/13 10:42*	*1*
4-Bromofluorobenzene	*100*		*67 - 139*		*04/30/13 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*50 - 134*		*04/30/13 10:42*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-105049/3
Matrix: Water
Analysis Batch: 105049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.100	0.1015		mg/L		102	28 - 152
Benzene	0.0500	0.04504		mg/L		90	69 - 131
Chlorobromomethane	0.0500	0.04180		mg/L		84	60 - 141
Bromoform	0.0500	0.04667		mg/L		93	39 - 149
Bromomethane	0.0500	0.05741		mg/L		115	52 - 146
2-Butanone (MEK)	0.100	0.09204		mg/L		92	59 - 133
Carbon disulfide	0.0500	0.04436		mg/L		89	32 - 177
Carbon tetrachloride	0.0500	0.05029		mg/L		101	59 - 147
Dibromochloromethane	0.0500	0.04740		mg/L		95	58 - 132
Chlorobenzene	0.0500	0.04591		mg/L		92	60 - 136
Chloroethane	0.0500	0.04025		mg/L		81	56 - 144
Chloroform	0.0500	0.04512		mg/L		90	69 - 128
Chloromethane	0.0500	0.03284		mg/L		66	32 - 151
1,1-Dichloroethane	0.0500	0.04645		mg/L		93	66 - 126
1,2-Dichloroethane	0.0500	0.04600		mg/L		92	66 - 140
1,1-Dichloroethene	0.0500	0.04482		mg/L		90	59 - 145
cis-1,2-Dichloroethene	0.0500	0.04391		mg/L		88	69 - 129
trans-1,2-Dichloroethene	0.0500	0.04486		mg/L		90	70 - 132
1,2-Dichloropropane	0.0500	0.04557		mg/L		91	72 - 135
cis-1,3-Dichloropropene	0.0500	0.04844		mg/L		97	60 - 135
trans-1,3-Dichloropropene	0.0500	0.05265		mg/L		105	63 - 133
Ethylbenzene	0.0500	0.04611		mg/L		92	68 - 128
2-Hexanone	0.100	0.09792		mg/L		98	51 - 130
Methylene Chloride	0.0500	0.04965		mg/L		99	62 - 134
4-Methyl-2-pentanone (MIBK)	0.100	0.09669		mg/L		97	56 - 142
Styrene	0.0500	0.04605		mg/L		92	68 - 133
1,1,2,2-Tetrachloroethane	0.0500	0.05289		mg/L		106	68 - 134
Tetrachloroethene	0.0500	0.04071		mg/L		81	70 - 150
Toluene	0.0500	0.04657		mg/L		93	67 - 130
1,1,1-Trichloroethane	0.0500	0.04759		mg/L		95	65 - 142
1,1,2-Trichloroethane	0.0500	0.04736		mg/L		95	68 - 130
Trichloroethene	0.0500	0.05158		mg/L		103	68 - 130
Vinyl acetate	0.100	0.1293		mg/L		129	58 - 175
Vinyl chloride	0.0500	0.03535		mg/L		71	47 - 146
o-Xylene	0.0500	0.04636		mg/L		93	68 - 134
m-Xylene & p-Xylene	0.0500	0.04630		mg/L		93	67 - 132
Xylenes, Total	0.100	0.09266		mg/L		93	68 - 132
Bromodichloromethane	0.0500	0.04640		mg/L		93	73 - 130
1,2-Dichloroethene, Total	0.100	0.08877		mg/L		89	65 - 127
Methyl tert-butyl ether	0.0500	0.04464		mg/L		89	63 - 142

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*70 - 130*
Dibromofluoromethane	*101*		*62 - 130*
4-Bromofluorobenzene	*104*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*107*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 105049

Client Sample ID: VCP-MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	0.00227	U	0.100	0.1138		mg/L		114	28 - 152
Benzene	0.000560	U	0.0500	0.06172		mg/L		123	51 - 152
Chlorobromomethane	0.000810	U	0.0500	0.05463		mg/L		109	61 - 150
Bromoform	0.000770	U	0.0500	0.05570		mg/L		111	34 - 166
Bromomethane	0.00640	J	0.0500	0.06370		mg/L		115	52 - 146
2-Butanone (MEK)	0.00157	U	0.100	0.1030		mg/L		103	17 - 153
Carbon disulfide	0.00170	U	0.0500	0.06380		mg/L		128	11 - 174
Carbon tetrachloride	0.000920	U	0.0500	0.06962		mg/L		139	49 - 176
Dibromochloromethane	0.000920	U	0.0500	0.06068		mg/L		121	41 - 178
Chlorobenzene	0.000820	U	0.0500	0.06174		mg/L		123	74 - 148
Chloroethane	0.00173	U	0.0500	0.05119		mg/L		102	56 - 144
Chloroform	0.000820	U	0.0500	0.06236		mg/L		125	70 - 148
Chloromethane	0.000850	U	0.0500	0.03308		mg/L		66	32 - 151
1,1-Dichloroethane	0.000500	U	0.0500	0.06312		mg/L		126	55 - 150
1,2-Dichloroethane	0.00101	U	0.0500	0.06043		mg/L		121	64 - 158
1,1-Dichloroethene	0.000760	U	0.0500	0.06224		mg/L		124	46 - 168
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.06198		mg/L		124	48 - 145
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.06370		mg/L		127	40 - 164
1,2-Dichloropropane	0.00141	U	0.0500	0.05951		mg/L		119	47 - 147
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.05845		mg/L		117	63 - 144
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.06359		mg/L		127	72 - 150
Ethylbenzene	0.00129	U	0.0500	0.06232		mg/L		125	75 - 152
2-Hexanone	0.00142	U	0.100	0.1135		mg/L		113	38 - 136
Methylene Chloride	0.00143	U	0.0500	0.05938		mg/L		119	14 - 175
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1177		mg/L		118	35 - 152
Styrene	0.000560	U	0.0500	0.06064		mg/L		121	68 - 133
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.06132		mg/L		123	10 - 179
Tetrachloroethene	0.00124	U	0.0500	0.05585		mg/L		112	38 - 220
Toluene	0.000550	U	0.0500	0.06259		mg/L		125	67 - 130
1,1,1-Trichloroethane	0.000980	U	0.0500	0.06706		mg/L		134	66 - 158
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05623		mg/L		112	75 - 136
Trichloroethene	0.00158	U	0.0500	0.07406		mg/L		148	45 - 189
Vinyl acetate	0.000600	U	0.100	0.1628		mg/L		163	58 - 175
Vinyl chloride	0.000850	U	0.0500	0.04038		mg/L		81	59 - 138
o-Xylene	0.000930	U	0.0500	0.06141		mg/L		123	49 - 180
m-Xylene & p-Xylene	0.00126	U	0.0500	0.06306		mg/L		126	67 - 132
Xylenes, Total	0.00198	U	0.100	0.1245		mg/L		124	10 - 226
Bromodichloromethane	0.000760	U	0.0500	0.06093		mg/L		122	72 - 153
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1257		mg/L		126	45 - 153
Methyl tert-butyl ether	0.000440	U	0.0500	0.05615		mg/L		112	37 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*110*		*70 - 130*
Dibromofluoromethane	*107*		*62 - 130*
4-Bromofluorobenzene	*102*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*109*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 600-72228-3 MSD
Matrix: Water
Analysis Batch: 105049

Client Sample ID: VCP-MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	0.00227	U	0.100	0.09342		mg/L		93	28 - 152	20	25
Benzene	0.000560	U	0.0500	0.05957		mg/L		119	51 - 152	4	21
Chlorobromomethane	0.000810	U	0.0500	0.05167		mg/L		103	61 - 150	6	25
Bromoform	0.000770	U	0.0500	0.05559		mg/L		111	34 - 166	0	25
Bromomethane	0.00640	J	0.0500	0.06936		mg/L		126	52 - 146	9	25
2-Butanone (MEK)	0.00157	U	0.100	0.1077		mg/L		108	17 - 153	4	25
Carbon disulfide	0.00170	U	0.0500	0.05920		mg/L		118	11 - 174	7	25
Carbon tetrachloride	0.000920	U	0.0500	0.06269		mg/L		125	49 - 176	10	25
Dibromochloromethane	0.000920	U	0.0500	0.05802		mg/L		116	41 - 178	4	25
Chlorobenzene	0.000820	U	0.0500	0.05794		mg/L		116	74 - 148	6	21
Chloroethane	0.00173	U	0.0500	0.04776		mg/L		96	56 - 144	7	25
Chloroform	0.000820	U	0.0500	0.05910		mg/L		118	70 - 148	5	25
Chloromethane	0.000850	U	0.0500	0.03492		mg/L		70	32 - 151	5	25
1,1-Dichloroethane	0.000500	U	0.0500	0.05989		mg/L		120	55 - 150	5	25
1,2-Dichloroethane	0.00101	U	0.0500	0.05768		mg/L		115	64 - 158	5	25
1,1-Dichloroethene	0.000760	U	0.0500	0.05587		mg/L		112	46 - 168	11	22
cis-1,2-Dichloroethene	0.000560	U	0.0500	0.05672		mg/L		113	48 - 145	9	25
trans-1,2-Dichloroethene	0.000880	U	0.0500	0.06038		mg/L		121	40 - 164	5	25
1,2-Dichloropropane	0.00141	U	0.0500	0.05798		mg/L		116	47 - 147	3	25
cis-1,3-Dichloropropene	0.000970	U	0.0500	0.05670		mg/L		113	63 - 144	3	25
trans-1,3-Dichloropropene	0.000590	U	0.0500	0.06250		mg/L		125	72 - 150	2	25
Ethylbenzene	0.00129	U	0.0500	0.05911		mg/L		118	75 - 152	5	25
2-Hexanone	0.00142	U	0.100	0.1135		mg/L		113	38 - 136	0	25
Methylene Chloride	0.00143	U	0.0500	0.05692		mg/L		114	14 - 175	4	25
4-Methyl-2-pentanone (MIBK)	0.00111	U	0.100	0.1153		mg/L		115	35 - 152	2	25
Styrene	0.000560	U	0.0500	0.05809		mg/L		116	68 - 133	4	25
1,1,2,2-Tetrachloroethane	0.000800	U	0.0500	0.06032		mg/L		121	10 - 179	2	25
Tetrachloroethene	0.00124	U	0.0500	0.05160		mg/L		103	38 - 220	8	25
Toluene	0.000550	U	0.0500	0.05864		mg/L		117	67 - 130	7	21
1,1,1-Trichloroethane	0.000980	U	0.0500	0.06357		mg/L		127	66 - 158	5	25
1,1,2-Trichloroethane	0.000530	U	0.0500	0.05533		mg/L		111	75 - 136	2	25
Trichloroethene	0.00158	U	0.0500	0.07062		mg/L		141	45 - 189	5	24
Vinyl acetate	0.000600	U	0.100	0.1614		mg/L		161	58 - 175	1	25
Vinyl chloride	0.000850	U	0.0500	0.04075		mg/L		82	59 - 138	1	25
o-Xylene	0.000930	U	0.0500	0.05748		mg/L		115	49 - 180	7	25
m-Xylene & p-Xylene	0.00126	U	0.0500	0.05980		mg/L		120	67 - 132	5	25
Xylenes, Total	0.00198	U	0.100	0.1173		mg/L		117	10 - 226	6	25
Bromodichloromethane	0.000760	U	0.0500	0.06002		mg/L		120	72 - 153	2	25
1,2-Dichloroethene, Total	0.000840	U	0.100	0.1171		mg/L		117	45 - 153	7	25
Methyl tert-butyl ether	0.000440	U	0.0500	0.05484		mg/L		110	37 - 135	2	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*106*		*70 - 130*
Dibromofluoromethane	*102*		*62 - 130*
4-Bromofluorobenzene	*104*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*106*		*50 - 134*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Lab Sample ID: MB 600-104949/1-A
Matrix: Water
Analysis Batch: 105039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104949

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0800	U	1.00	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Acenaphthylene	0.0600	U	1.00	0.0600	ug/L		04/29/13 11:29	04/30/13 08:24	1
Anthracene	0.0500	U	1.00	0.0500	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzidine	0.610	U	10.0	0.610	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzo[a]anthracene	0.0800	U	2.00	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzo[b]fluoranthene	0.0700	U	2.00	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzo[k]fluoranthene	0.0900	U	2.00	0.0900	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzo[g,h,i]perylene	0.0800	U	2.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzo[a]pyrene	0.0800	U	1.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Bis(2-chloroethoxy)methane	0.130	U	1.50	0.130	ug/L		04/29/13 11:29	04/30/13 08:24	1
Bis(2-chloroethyl)ether	0.150	U	1.50	0.150	ug/L		04/29/13 11:29	04/30/13 08:24	1
Bis(2-ethylhexyl) phthalate	0.370	U	2.50	0.370	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Bromophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		04/29/13 11:29	04/30/13 08:24	1
Butyl benzyl phthalate	0.2509	J	2.50	0.120	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Chloroaniline	0.210	U	1.00	0.210	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Chloronaphthalene	0.0800	U	1.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Chlorophenyl phenyl ether	0.100	U	1.50	0.100	ug/L		04/29/13 11:29	04/30/13 08:24	1
Carbazole	0.170	U	6.25	0.170	ug/L		04/29/13 11:29	04/30/13 08:24	1
Chrysene	0.0800	U	1.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Di-n-butyl phthalate	0.1236	J	2.50	0.110	ug/L		04/29/13 11:29	04/30/13 08:24	1
Dibenz(a,h)anthracene	0.0800	U	2.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
Dibenzofuran	0.0800	U	1.50	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
1,2-Dichlorobenzene	0.170	U	1.75	0.170	ug/L		04/29/13 11:29	04/30/13 08:24	1
1,3-Dichlorobenzene	0.170	U	1.50	0.170	ug/L		04/29/13 11:29	04/30/13 08:24	1
1,4-Dichlorobenzene	0.130	U	2.00	0.130	ug/L		04/29/13 11:29	04/30/13 08:24	1
3,3'-Dichlorobenzidine	0.180	U	10.0	0.180	ug/L		04/29/13 11:29	04/30/13 08:24	1
Diethyl phthalate	1.50	U	2.50	1.50	ug/L		04/29/13 11:29	04/30/13 08:24	1
Dimethyl phthalate	0.0700	U	2.50	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4-Dinitrotoluene	0.130	U	1.50	0.130	ug/L		04/29/13 11:29	04/30/13 08:24	1
Di-n-octyl phthalate	0.160	U	5.00	0.160	ug/L		04/29/13 11:29	04/30/13 08:24	1
Fluoranthene	0.0700	U	2.50	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
Fluorene	0.0700	U	1.50	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
Hexachlorobenzene	0.110	U	1.50	0.110	ug/L		04/29/13 11:29	04/30/13 08:24	1
Hexachlorocyclopentadiene	0.130	U	1.50	0.130	ug/L		04/29/13 11:29	04/30/13 08:24	1
Hexachloroethane	0.100	U	2.00	0.100	ug/L		04/29/13 11:29	04/30/13 08:24	1
Hexachlorobutadiene	0.180	U	2.00	0.180	ug/L		04/29/13 11:29	04/30/13 08:24	1
Indeno[1,2,3-cd]pyrene	0.0700	U	2.00	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
Isophorone	0.110	U	1.50	0.110	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Methylnaphthalene	0.0700	U	1.50	0.0700	ug/L		04/29/13 11:29	04/30/13 08:24	1
Naphthalene	0.0800	U	5.00	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Nitroaniline	0.190	U	2.50	0.190	ug/L		04/29/13 11:29	04/30/13 08:24	1
3-Nitroaniline	0.160	U	2.50	0.160	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Nitroaniline	0.250	U	2.50	0.250	ug/L		04/29/13 11:29	04/30/13 08:24	1
Nitrobenzene	0.110	U	1.50	0.110	ug/L		04/29/13 11:29	04/30/13 08:24	1
N-Nitrosodimethylamine	0.260	U	2.00	0.260	ug/L		04/29/13 11:29	04/30/13 08:24	1
N-Nitrosodiphenylamine	0.100	U	1.50	0.100	ug/L		04/29/13 11:29	04/30/13 08:24	1
N-Nitrosodi-n-propylamine	0.100	U	2.50	0.100	ug/L		04/29/13 11:29	04/30/13 08:24	1
Phenanthrene	0.0600	U	1.50	0.0600	ug/L		04/29/13 11:29	04/30/13 08:24	1

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: MB 600-104949/1-A
Matrix: Water
Analysis Batch: 105039

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104949

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pyrene	0.110	U	2.00	0.110	ug/L		04/29/13 11:29	04/30/13 08:24	1
1,2,4-Trichlorobenzene	0.120	U	2.00	0.120	ug/L		04/29/13 11:29	04/30/13 08:24	1
Benzyl alcohol	0.170	U	5.50	0.170	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Chloro-3-methylphenol	0.170	U	1.00	0.170	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Chlorophenol	0.130	U	2.00	0.130	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Methylphenol	0.120	U	1.50	0.120	ug/L		04/29/13 11:29	04/30/13 08:24	1
3 & 4 Methylphenol	0.200	U	1.00	0.200	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4-Dichlorophenol	0.150	U	2.50	0.150	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4-Dimethylphenol	0.310	U	2.50	0.310	ug/L		04/29/13 11:29	04/30/13 08:24	1
4,6-Dinitro-2-methylphenol	0.830	U	2.50	0.830	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4-Dinitrophenol	0.390	U	5.00	0.390	ug/L		04/29/13 11:29	04/30/13 08:24	1
2-Nitrophenol	0.220	U	1.00	0.220	ug/L		04/29/13 11:29	04/30/13 08:24	1
4-Nitrophenol	0.560	U	2.50	0.560	ug/L		04/29/13 11:29	04/30/13 08:24	1
Pentachlorophenol	0.610	U	2.50	0.610	ug/L		04/29/13 11:29	04/30/13 08:24	1
Phenol	0.0400	U	1.50	0.0400	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4,5-Trichlorophenol	0.250	U	2.00	0.250	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,4,6-Trichlorophenol	0.180	U	2.00	0.180	ug/L		04/29/13 11:29	04/30/13 08:24	1
2,6-Dinitrotoluene	0.0800	U	1.00	0.0800	ug/L		04/29/13 11:29	04/30/13 08:24	1
bis (2-Chloroisopropyl) ether	0.400	U	1.50	0.400	ug/L		04/29/13 11:29	04/30/13 08:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*96*		*33 - 141*	*04/29/13 11:29*	*04/30/13 08:24*	*1*
Nitrobenzene-d5	*77*		*47 - 120*	*04/29/13 11:29*	*04/30/13 08:24*	*1*
2-Fluorophenol	*56*		*18 - 120*	*04/29/13 11:29*	*04/30/13 08:24*	*1*
2-Fluorobiphenyl	*86*		*43 - 120*	*04/29/13 11:29*	*04/30/13 08:24*	*1*
2,4,6-Tribromophenol	*69*		*44 - 123*	*04/29/13 11:29*	*04/30/13 08:24*	*1*
Phenol-d5 (Surr)	*35*		*12 - 128*	*04/29/13 11:29*	*04/30/13 08:24*	*1*

Lab Sample ID: LCS 600-104949/2-A
Matrix: Water
Analysis Batch: 105039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	10.0	8.342		ug/L		83	47 - 145
Acenaphthylene	10.0	8.849		ug/L		88	35 - 135
Anthracene	10.0	8.502		ug/L		85	53 - 124
Benzidine	200	99.16		ug/L		50	10 - 120
Benzo[a]anthracene	10.0	9.708		ug/L		97	53 - 122
Benzo[b]fluoranthene	10.0	8.659		ug/L		87	53 - 131
Benzo[k]fluoranthene	10.0	9.040		ug/L		90	46 - 130
Benzo[g,h,i]perylene	10.0	10.50		ug/L		105	46 - 133
Benzo[a]pyrene	10.0	8.498		ug/L		85	50 - 124
Bis(2-chloroethoxy)methane	10.0	7.212		ug/L		72	42 - 119
Bis(2-chloroethyl)ether	10.0	7.790		ug/L		78	40 - 112
Bis(2-ethylhexyl) phthalate	10.0	9.959		ug/L		100	47 - 132
4-Bromophenyl phenyl ether	10.0	8.680		ug/L		87	46 - 129
Butyl benzyl phthalate	10.0	9.837		ug/L		98	50 - 126
4-Chloroaniline	10.0	7.740		ug/L		77	19 - 129

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-104949/2-A
Matrix: Water
Analysis Batch: 105039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chloronaphthalene	10.0	8.728		ug/L		87	43 - 120
4-Chlorophenyl phenyl ether	10.0	9.497		ug/L		95	48 - 125
Carbazole	10.0	10.63		ug/L		106	42 - 169
Chrysene	10.0	9.566		ug/L		96	49 - 124
Di-n-butyl phthalate	10.0	9.811		ug/L		98	54 - 138
Dibenz(a,h)anthracene	10.0	10.01		ug/L		100	42 - 134
Dibenzofuran	10.0	9.197		ug/L		92	46 - 123
1,2-Dichlorobenzene	10.0	8.598		ug/L		86	40 - 121
1,3-Dichlorobenzene	10.0	8.981		ug/L		90	39 - 122
1,4-Dichlorobenzene	10.0	8.926		ug/L		89	45 - 124
3,3'-Dichlorobenzidine	10.0	10.45		ug/L		104	38 - 168
Diethyl phthalate	10.0	8.915		ug/L		89	51 - 123
Dimethyl phthalate	10.0	8.998		ug/L		90	49 - 121
2,4-Dinitrotoluene	10.0	9.227		ug/L		92	43 - 128
Di-n-octyl phthalate	10.0	9.808		ug/L		98	27 - 157
Fluoranthene	10.0	9.422		ug/L		94	53 - 127
Fluorene	10.0	9.404		ug/L		94	48 - 127
Hexachlorobenzene	10.0	7.768		ug/L		78	46 - 129
Hexachlorocyclopentadiene	10.0	5.675		ug/L		57	21 - 126
Hexachloroethane	10.0	7.574		ug/L		76	43 - 118
Hexachlorobutadiene	10.0	8.013		ug/L		80	32 - 143
Indeno[1,2,3-cd]pyrene	10.0	10.53		ug/L		105	45 - 124
Isophorone	10.0	8.350		ug/L		84	42 - 116
2-Methylnaphthalene	10.0	8.504		ug/L		85	40 - 121
Naphthalene	10.0	8.844		ug/L		88	39 - 120
2-Nitroaniline	10.0	8.537		ug/L		85	42 - 130
3-Nitroaniline	10.0	8.025		ug/L		80	47 - 138
4-Nitroaniline	10.0	8.216		ug/L		82	32 - 139
Nitrobenzene	10.0	6.935		ug/L		69	42 - 119
N-Nitrosodimethylamine	10.0	4.990		ug/L		50	26 - 104
N-Nitrosodiphenylamine	10.0	9.396		ug/L		94	43 - 107
N-Nitrosodi-n-propylamine	10.0	8.505		ug/L		85	39 - 124
Phenanthrene	10.0	8.846		ug/L		88	52 - 121
Pyrene	10.0	10.19		ug/L		102	49 - 121
1,2,4-Trichlorobenzene	10.0	8.354		ug/L		84	38 - 118
Benzyl alcohol	10.0	6.859		ug/L		69	39 - 115
4-Chloro-3-methylphenol	10.0	6.961		ug/L		70	44 - 131
2-Chlorophenol	10.0	7.670		ug/L		77	23 - 134
2-Methylphenol	10.0	6.544		ug/L		65	34 - 109
3 & 4 Methylphenol	10.0	5.953		ug/L		60	27 - 113
2,4-Dichlorophenol	10.0	8.260		ug/L		83	39 - 118
2,4-Dimethylphenol	10.0	7.742		ug/L		77	36 - 109
4,6-Dinitro-2-methylphenol	10.0	4.873		ug/L		49	24 - 122
2,4-Dinitrophenol	10.0	11.22		ug/L		112	23 - 130
2-Nitrophenol	10.0	8.799		ug/L		88	40 - 121
4-Nitrophenol	10.0	4.698		ug/L		47	14 - 132
Pentachlorophenol	10.0	8.662		ug/L		87	9 - 147
Phenol	10.0	3.923		ug/L		39	11 - 112

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: LCS 600-104949/2-A
Matrix: Water
Analysis Batch: 105039

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4,5-Trichlorophenol	10.0	8.810		ug/L		88	38 - 145
2,4,6-Trichlorophenol	10.0	8.886		ug/L		89	39 - 123
2,6-Dinitrotoluene	10.0	8.856		ug/L		89	45 - 122
bis (2-Chloroisopropyl) ether	10.0	8.012		ug/L		80	41 - 111

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Terphenyl-d14	*99*		*33 - 141*
Nitrobenzene-d5	*73*		*47 - 120*
2-Fluorophenol	*53*		*18 - 120*
2-Fluorobiphenyl	*86*		*43 - 120*
2,4,6-Tribromophenol	*90*		*44 - 123*
Phenol-d5 (Surr)	*35*		*12 - 128*

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 105039

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0769	U	20.0	12.82		ug/L		64	46 - 118
Acenaphthylene	0.0577	U	20.0	13.48		ug/L		67	38 - 115
Anthracene	0.0481	U	20.0	17.53		ug/L		88	35 - 116
Benzidine	0.587	U	400	179.1		ug/L		45	0 - 150
Benzo[a]anthracene	0.0769	U	20.0	18.83		ug/L		94	24 - 126
Benzo[b]fluoranthene	0.0673	U	20.0	17.44		ug/L		87	31 - 119
Benzo[k]fluoranthene	0.0865	U	20.0	16.79		ug/L		84	29 - 117
Benzo[g,h,i]perylene	0.0769	U	20.0	20.79		ug/L		104	10 - 123
Benzo[a]pyrene	0.0769	U	20.0	16.70		ug/L		84	60 - 140
Bis(2-chloroethoxy)methane	0.125	U	20.0	11.68		ug/L		58	42 - 101
Bis(2-chloroethyl)ether	0.144	U	20.0	11.02		ug/L		55	20 - 107
Bis(2-ethylhexyl) phthalate	0.356	U	20.0	20.10		ug/L		100	14 - 123
4-Bromophenyl phenyl ether	0.0962	U	20.0	15.11		ug/L		76	50 - 113
Butyl benzyl phthalate	0.514	J b	20.0	20.68		ug/L		101	36 - 144
4-Chloroaniline	0.202	U	20.0	11.55		ug/L		58	49 - 151
2-Chloronaphthalene	0.0769	U	20.0	12.41		ug/L		62	42 - 100
4-Chlorophenyl phenyl ether	0.0962	U	20.0	13.89		ug/L		69	41 - 116
Carbazole	0.163	U	20.0	21.73		ug/L		109	30 - 130
Chrysene	0.0769	U	20.0	18.60		ug/L		93	23 - 128
Di-n-butyl phthalate	0.366	J b	20.0	18.42		ug/L		90	31 - 137
Dibenz(a,h)anthracene	0.0769	U	20.0	20.93		ug/L		105	62 - 138
Dibenzofuran	0.0769	U	20.0	13.80		ug/L		69	46 - 110
1,2-Dichlorobenzene	0.163	U	20.0	11.48		ug/L		57	42 - 96
1,3-Dichlorobenzene	0.163	U	20.0	12.04		ug/L		60	40 - 95
1,4-Dichlorobenzene	0.125	U	20.0	11.68		ug/L		58	36 - 99
3,3'-Dichlorobenzidine	0.173	U	20.0	21.66		ug/L		108	33 - 167
Diethyl phthalate	1.44	U	20.0	17.05		ug/L		85	60 - 140
Dimethyl phthalate	0.0673	U	20.0	16.01		ug/L		80	51 - 120
2,4-Dinitrotoluene	0.125	U	20.0	17.54		ug/L		88	41 - 125
Di-n-octyl phthalate	0.154	U	20.0	20.63		ug/L		103	30 - 170

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 105039

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Fluoranthene	0.0673	U	20.0	19.56		ug/L		98	14 - 145
Fluorene	0.0673	U	20.0	14.21		ug/L		71	44 - 112
Hexachlorobenzene	0.106	U	20.0	14.40		ug/L		72	29 - 126
Hexachlorocyclopentadiene	0.125	U	20.0	8.780		ug/L		44	10 - 109
Hexachloroethane	0.0962	U	20.0	9.433		ug/L		47	35 - 101
Hexachlorobutadiene	0.173	U	20.0	11.68		ug/L		58	36 - 101
Indeno[1,2,3-cd]pyrene	0.0673	U	20.0	21.74		ug/L		109	60 - 140
Isophorone	0.106	U	20.0	11.80		ug/L		59	45 - 109
2-Methylnaphthalene	0.0673	U	20.0	13.48		ug/L		67	36 - 111
Naphthalene	0.0769	U	20.0	12.12		ug/L		61	34 - 99
2-Nitroaniline	0.183	U	20.0	16.19		ug/L		81	30 - 130
3-Nitroaniline	0.154	U	20.0	15.86		ug/L		79	30 - 130
4-Nitroaniline	0.240	U	20.0	15.66		ug/L		78	46 - 154
Nitrobenzene	0.106	U	20.0	10.11		ug/L		51	37 - 104
N-Nitrosodimethylamine	0.250	U	20.0	8.504		ug/L		43	30 - 130
N-Nitrosodiphenylamine	0.0962	U	20.0	16.37		ug/L		82	58 - 142
N-Nitrosodi-n-propylamine	0.0962	U	20.0	10.81		ug/L		54	44 - 110
Phenanthrene	0.0577	U	20.0	17.58		ug/L		88	41 - 117
Pyrene	0.106	U	20.0	20.63		ug/L		103	28 - 133
1,2,4-Trichlorobenzene	0.115	U	20.0	12.06		ug/L		60	39 - 98
Benzyl alcohol	0.163	U	20.0	10.44		ug/L		52	17 - 111
4-Chloro-3-methylphenol	0.163	U	20.0	13.78		ug/L		69	67 - 133
2-Chlorophenol	0.125	U	20.0	11.40		ug/L		57	36 - 96
2-Methylphenol	0.115	U	20.0	9.857		ug/L		49	22 - 94
3 & 4 Methylphenol	0.192	U	20.0	8.766		ug/L		44	12 - 111
2,4-Dichlorophenol	0.144	U	20.0	12.28		ug/L		61	40 - 106
2,4-Dimethylphenol	0.298	U	20.0	11.09		ug/L		55	25 - 85
4,6-Dinitro-2-methylphenol	0.798	U	20.0	9.604		ug/L		48	28 - 128
2,4-Dinitrophenol	0.375	U	20.0	24.50		ug/L		122	40 - 140
2-Nitrophenol	0.212	U	20.0	11.78		ug/L		59	48 - 100
4-Nitrophenol	0.538	U	20.0	11.51		ug/L		58	10 - 100
Pentachlorophenol	0.587	U	20.0	15.04		ug/L		75	45 - 155
Phenol	0.0385	U	20.0	5.846		ug/L		29	10 - 62
2,4,5-Trichlorophenol	0.240	U	20.0	15.74		ug/L		79	45 - 116
2,4,6-Trichlorophenol	0.173	U	20.0	14.10		ug/L		71	62 - 107
2,6-Dinitrotoluene	0.0769	U	20.0	15.62		ug/L		78	47 - 118
bis (2-Chloroisopropyl) ether	0.385	U	20.0	11.36		ug/L		57	41 - 111

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Terphenyl-d14	*99*		*33 - 141*
Nitrobenzene-d5	*52*		*47 - 120*
2-Fluorophenol	*41*		*18 - 120*
2-Fluorobiphenyl	*63*		*43 - 120*
2,4,6-Tribromophenol	*74*		*44 - 123*
Phenol-d5 (Surr)	*26*		*12 - 128*

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-72228-3 MSD
Matrix: Water
Analysis Batch: 105039

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104949

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0769	U	20.0	11.86		ug/L		59	46 - 118	8	20
Acenaphthylene	0.0577	U	20.0	12.92		ug/L		65	38 - 115	4	20
Anthracene	0.0481	U	20.0	17.18		ug/L		86	35 - 116	2	20
Benzidine	0.587	U	400	164.6		ug/L		41	0 - 150	8	40
Benzo[a]anthracene	0.0769	U	20.0	18.51		ug/L		93	24 - 126	2	20
Benzo[b]fluoranthene	0.0673	U	20.0	18.01		ug/L		90	31 - 119	3	20
Benzo[k]fluoranthene	0.0865	U	20.0	18.25		ug/L		91	29 - 117	8	20
Benzo[g,h,i]perylene	0.0769	U	20.0	20.79		ug/L		104	10 - 123	0	20
Benzo[a]pyrene	0.0769	U	20.0	16.89		ug/L		84	60 - 140	1	20
Bis(2-chloroethoxy)methane	0.125	U	20.0	9.944		ug/L		50	42 - 101	16	20
Bis(2-chloroethyl)ether	0.144	U	20.0	11.57		ug/L		58	20 - 107	5	20
Bis(2-ethylhexyl) phthalate	0.356	U	20.0	19.76		ug/L		99	14 - 123	2	20
4-Bromophenyl phenyl ether	0.0962	U	20.0	13.91		ug/L		70	50 - 113	8	20
Butyl benzyl phthalate	0.514	J b	20.0	17.68		ug/L		86	36 - 144	16	20
4-Chloroaniline	0.202	U	20.0	10.04		ug/L		50	49 - 151	14	20
2-Chloronaphthalene	0.0769	U	20.0	12.02		ug/L		60	42 - 100	3	20
4-Chlorophenyl phenyl ether	0.0962	U	20.0	12.99		ug/L		65	41 - 116	7	20
Carbazole	0.163	U	20.0	21.22		ug/L		106	30 - 130	2	20
Chrysene	0.0769	U	20.0	17.50		ug/L		87	23 - 128	6	20
Di-n-butyl phthalate	0.366	J b	20.0	16.69		ug/L		82	31 - 137	10	20
Dibenz(a,h)anthracene	0.0769	U	20.0	16.58	N	ug/L		83	62 - 138	23	20
Dibenzofuran	0.0769	U	20.0	12.14		ug/L		61	46 - 110	13	20
1,2-Dichlorobenzene	0.163	U	20.0	11.15		ug/L		56	42 - 96	3	20
1,3-Dichlorobenzene	0.163	U	20.0	11.31		ug/L		57	40 - 95	6	20
1,4-Dichlorobenzene	0.125	U	20.0	11.45		ug/L		57	36 - 99	2	20
3,3'-Dichlorobenzidine	0.173	U	20.0	21.30		ug/L		106	33 - 167	2	20
Diethyl phthalate	1.44	U	20.0	14.99		ug/L		75	60 - 140	13	20
Dimethyl phthalate	0.0673	U	20.0	15.17		ug/L		76	51 - 120	5	20
2,4-Dinitrotoluene	0.125	U	20.0	15.82		ug/L		79	41 - 125	10	20
Di-n-octyl phthalate	0.154	U	20.0	17.38		ug/L		87	30 - 170	17	20
Fluoranthene	0.0673	U	20.0	17.56		ug/L		88	14 - 145	11	20
Fluorene	0.0673	U	20.0	13.35		ug/L		67	44 - 112	6	20
Hexachlorobenzene	0.106	U	20.0	14.71		ug/L		74	29 - 126	2	20
Hexachlorocyclopentadiene	0.125	U	20.0	7.948		ug/L		40	10 - 109	10	20
Hexachloroethane	0.0962	U	20.0	12.07	N	ug/L		60	35 - 101	25	20
Hexachlorobutadiene	0.173	U	20.0	10.17		ug/L		51	36 - 101	14	20
Indeno[1,2,3-cd]pyrene	0.0673	U	20.0	17.78		ug/L		89	60 - 140	20	20
Isophorone	0.106	U	20.0	11.55		ug/L		58	45 - 109	2	20
2-Methylnaphthalene	0.0673	U	20.0	11.57		ug/L		58	36 - 111	15	20
Naphthalene	0.0769	U	20.0	11.59		ug/L		58	34 - 99	5	20
2-Nitroaniline	0.183	U	20.0	15.49		ug/L		77	30 - 130	4	20
3-Nitroaniline	0.154	U	20.0	14.86		ug/L		74	30 - 130	6	20
4-Nitroaniline	0.240	U	20.0	16.34		ug/L		82	46 - 154	4	20
Nitrobenzene	0.106	U	20.0	11.13		ug/L		56	37 - 104	10	20
N-Nitrosodimethylamine	0.250	U	20.0	8.278		ug/L		41	30 - 130	3	20
N-Nitrosodiphenylamine	0.0962	U	20.0	17.12		ug/L		86	58 - 142	4	20
N-Nitrosodi-n-propylamine	0.0962	U	20.0	13.58	N	ug/L		68	44 - 110	23	20
Phenanthrene	0.0577	U	20.0	18.08		ug/L		90	41 - 117	3	20

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Lab Sample ID: 600-72228-3 MSD — **Client Sample ID: VCP-MW-8**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 105039 — **Prep Batch: 104949**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pyrene	0.106	U	20.0	18.86		ug/L		94	28 - 133	9	20
1,2,4-Trichlorobenzene	0.115	U	20.0	11.05		ug/L		55	39 - 98	9	20
Benzyl alcohol	0.163	U	20.0	9.985		ug/L		50	17 - 111	4	20
4-Chloro-3-methylphenol	0.163	U	20.0	11.97	N	ug/L		60	67 - 133	14	20
2-Chlorophenol	0.125	U	20.0	11.07		ug/L		55	36 - 96	3	20
2-Methylphenol	0.115	U	20.0	10.91		ug/L		55	22 - 94	10	20
3 & 4 Methylphenol	0.192	U	20.0	10.36		ug/L		52	12 - 111	17	20
2,4-Dichlorophenol	0.144	U	20.0	11.61		ug/L		58	40 - 106	6	20
2,4-Dimethylphenol	0.298	U	20.0	10.93		ug/L		55	25 - 85	1	20
4,6-Dinitro-2-methylphenol	0.798	U	20.0	10.34		ug/L		52	28 - 128	7	20
2,4-Dinitrophenol	0.375	U	20.0	23.98		ug/L		120	40 - 140	2	20
2-Nitrophenol	0.212	U	20.0	11.97		ug/L		60	48 - 100	2	20
4-Nitrophenol	0.538	U	20.0	9.228	N	ug/L		46	10 - 100	22	20
Pentachlorophenol	0.587	U	20.0	16.14		ug/L		81	45 - 155	7	20
Phenol	0.0385	U	20.0	6.431		ug/L		32	10 - 62	10	20
2,4,5-Trichlorophenol	0.240	U	20.0	15.09		ug/L		75	45 - 116	4	20
2,4,6-Trichlorophenol	0.173	U	20.0	13.52		ug/L		68	62 - 107	4	20
2,6-Dinitrotoluene	0.0769	U	20.0	15.16		ug/L		76	47 - 118	3	20
bis (2-Chloroisopropyl) ether	0.385	U	20.0	11.08		ug/L		55	41 - 111	2	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Terphenyl-d14	*82*		*33 - 141*
Nitrobenzene-d5	*58*		*47 - 120*
2-Fluorophenol	*44*		*18 - 120*
2-Fluorobiphenyl	*61*		*43 - 120*
2,4,6-Tribromophenol	*79*		*44 - 123*
Phenol-d5 (Surr)	*28*		*12 - 128*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-104925/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 105021 — **Prep Batch: 104925**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.830	U	5.00	0.830	mg/L		04/29/13 08:34	04/29/13 13:04	1
>C12-C28	0.960	U	5.00	0.960	mg/L		04/29/13 08:34	04/29/13 13:04	1
>C28-C35	0.960	U	5.00	0.960	mg/L		04/29/13 08:34	04/29/13 13:04	1
C6-C35	1.56	U	5.00	1.56	mg/L		04/29/13 08:34	04/29/13 13:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*04/29/13 08:34*	*04/29/13 13:04*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC) (Continued)

Lab Sample ID: LCS 600-104925/2-A
Matrix: Water
Analysis Batch: 105021

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104925

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12			33.3	34.07		mg/L		102	75 - 125		
>C12-C28			33.3	38.49		mg/L		115	75 - 125		
C6-C35			66.7	72.56		mg/L		109	75 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*123*		*70 - 130*

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 105021

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104925

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
C6-C12	0.819	U	32.6	34.55		mg/L		106	75 - 125		
>C12-C28	0.948	U	32.6	38.93		mg/L		120	75 - 125		
C6-C35	1.54	U	65.1	73.47		mg/L		113	75 - 125		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
o-Terphenyl	*125*		*70 - 130*

Lab Sample ID: 600-72228-3 MSD
Matrix: Water
Analysis Batch: 105021

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104925

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
C6-C12	0.819	U	33.2	34.64		mg/L		104	75 - 125	0	20
>C12-C28	0.948	U	33.2	39.88		mg/L		120	75 - 125	2	20
C6-C35	1.54	U	66.3	74.52		mg/L		112	75 - 125	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
o-Terphenyl	*122*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104917/1-A
Matrix: Water
Analysis Batch: 104964

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104917

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Pb	0.00290	U	0.0100	0.00290	mg/L		04/29/13 07:20	04/29/13 13:33	1
Cr	0.00155	U	0.0100	0.00155	mg/L		04/29/13 07:20	04/29/13 13:33	1
Cd	0.000350	U	0.00500	0.000350	mg/L		04/29/13 07:20	04/29/13 13:33	1
Ba	0.00220	U	0.0200	0.00220	mg/L		04/29/13 07:20	04/29/13 13:33	1
As	0.00328	U	0.0100	0.00328	mg/L		04/29/13 07:20	04/29/13 13:33	1
Ag	0.00125	U	0.0100	0.00125	mg/L		04/29/13 07:20	04/29/13 13:33	1
Se	0.00417	U	0.0400	0.00417	mg/L		04/29/13 07:20	04/29/13 13:33	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 600-104917/2-A
Matrix: Water
Analysis Batch: 104964

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	1.00	0.9382		mg/L		94	80 - 120
Cr	1.00	0.9471		mg/L		95	80 - 120
Cd	0.500	0.4773		mg/L		95	80 - 120
Ba	1.00	0.9520		mg/L		95	80 - 120
As	1.00	0.9527		mg/L		95	80 - 120
Ag	0.500	0.4800		mg/L		96	80 - 120
Se	1.00	0.9237		mg/L		92	80 - 120

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 104964

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104917

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Pb	0.00290	U	1.00	0.9259		mg/L		93	75 - 125
Cr	0.00155	U	1.00	0.9290		mg/L		93	75 - 125
Cd	0.000350	U	0.500	0.4634		mg/L		93	75 - 125
Ba	0.107		1.00	1.242		mg/L		113	75 - 125
As	0.00328	U	1.00	0.9718		mg/L		97	75 - 125
Ag	0.00125	U	0.500	0.4971		mg/L		99	75 - 125
Se	0.00417	U	1.00	0.9335		mg/L		93	75 - 125

Lab Sample ID: 600-72228-3 MSD
Matrix: Water
Analysis Batch: 104964

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104917

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Pb	0.00290	U	1.00	0.9125		mg/L		91	75 - 125	1	20
Cr	0.00155	U	1.00	0.9120		mg/L		91	75 - 125	2	20
Cd	0.000350	U	0.500	0.4577		mg/L		92	75 - 125	1	20
Ba	0.107		1.00	1.059		mg/L		95	75 - 125	16	20
As	0.00328	U	1.00	0.9590		mg/L		96	75 - 125	1	20
Ag	0.00125	U	0.500	0.4841		mg/L		97	75 - 125	3	20
Se	0.00417	U	1.00	0.9214		mg/L		92	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 600-104936/7-A
Matrix: Water
Analysis Batch: 104969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104936

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0820	U	0.200	0.0820	ug/L		04/29/13 10:02	04/29/13 13:28	1

Lab Sample ID: LCS 600-104936/8-A
Matrix: Water
Analysis Batch: 104969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104936

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	3.00	2.890		ug/L		96	70 - 130

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 600-72228-3 MS
Matrix: Water
Analysis Batch: 104969

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104936

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0820	U	3.00	2.699		ug/L		90	75 - 125

Lab Sample ID: 600-72228-3 MSD
Matrix: Water
Analysis Batch: 104969

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 104936

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.0820	U	3.00	2.707		ug/L		90	75 - 125	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	0.00500	0.000980	mg/L	8260B
1,1,2,2-Tetrachloroethane	0.00500	0.000800	mg/L	8260B
1,1,2-Trichloroethane	0.00500	0.000530	mg/L	8260B
1,1-Dichloroethane	0.00500	0.000500	mg/L	8260B
1,1-Dichloroethene	0.00500	0.000760	mg/L	8260B
1,2-Dichloroethane	0.00500	0.00101	mg/L	8260B
1,2-Dichloroethene, Total	0.0100	0.000840	mg/L	8260B
1,2-Dichloropropane	0.00500	0.00141	mg/L	8260B
2-Butanone (MEK)	0.0100	0.00157	mg/L	8260B
2-Hexanone	0.0100	0.00142	mg/L	8260B
4-Methyl-2-pentanone (MIBK)	0.0100	0.00111	mg/L	8260B
Acetone	0.0100	0.00227	mg/L	8260B
Benzene	0.00500	0.000560	mg/L	8260B
Bromodichloromethane	0.00500	0.000760	mg/L	8260B
Bromoform	0.00500	0.000770	mg/L	8260B
Bromomethane	0.0100	0.00215	mg/L	8260B
Carbon disulfide	0.00500	0.00170	mg/L	8260B
Carbon tetrachloride	0.00500	0.000920	mg/L	8260B
Chlorobenzene	0.00500	0.000820	mg/L	8260B
Chlorobromomethane	0.00500	0.000810	mg/L	8260B
Chloroethane	0.0100	0.00173	mg/L	8260B
Chloroform	0.00500	0.000820	mg/L	8260B
Chloromethane	0.0100	0.000850	mg/L	8260B
cis-1,2-Dichloroethene	0.00500	0.000560	mg/L	8260B
cis-1,3-Dichloropropene	0.00500	0.000970	mg/L	8260B
Dibromochloromethane	0.00500	0.000920	mg/L	8260B
Ethylbenzene	0.00500	0.00129	mg/L	8260B
Methyl tert-butyl ether	0.00500	0.000440	mg/L	8260B
Methylene Chloride	0.0100	0.00143	mg/L	8260B
m-Xylene & p-Xylene	0.0100	0.00126	mg/L	8260B
o-Xylene	0.00500	0.000930	mg/L	8260B
Styrene	0.00500	0.000560	mg/L	8260B
Tetrachloroethene	0.00500	0.00124	mg/L	8260B
Toluene	0.00500	0.000550	mg/L	8260B
trans-1,2-Dichloroethene	0.00500	0.000880	mg/L	8260B
trans-1,3-Dichloropropene	0.00500	0.000590	mg/L	8260B
Trichloroethene	0.00500	0.00158	mg/L	8260B
Vinyl acetate	0.0100	0.000600	mg/L	8260B
Vinyl chloride	0.00500	0.000850	mg/L	8260B
Xylenes, Total	0.00500	0.00198	mg/L	8260B

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels

Analyte	MQL	MDL	Units	Method
1,2,4-Trichlorobenzene	2.00	0.120	ug/L	8270C LL
1,2-Dichlorobenzene	1.75	0.170	ug/L	8270C LL
1,3-Dichlorobenzene	1.50	0.170	ug/L	8270C LL
1,4-Dichlorobenzene	2.00	0.130	ug/L	8270C LL
2,4,5-Trichlorophenol	2.00	0.250	ug/L	8270C LL
2,4,6-Trichlorophenol	2.00	0.180	ug/L	8270C LL
2,4-Dichlorophenol	2.50	0.150	ug/L	8270C LL
2,4-Dimethylphenol	2.50	0.310	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
2,4-Dinitrophenol	5.00	0.390	ug/L	8270C LL
2,4-Dinitrotoluene	1.50	0.130	ug/L	8270C LL
2,6-Dinitrotoluene	1.00	0.0800	ug/L	8270C LL
2-Chloronaphthalene	1.50	0.0800	ug/L	8270C LL
2-Chlorophenol	2.00	0.130	ug/L	8270C LL
2-Methylnaphthalene	1.50	0.0700	ug/L	8270C LL
2-Methylphenol	1.50	0.120	ug/L	8270C LL
2-Nitroaniline	2.50	0.190	ug/L	8270C LL
2-Nitrophenol	1.00	0.220	ug/L	8270C LL
3 & 4 Methylphenol	1.00	0.200	ug/L	8270C LL
3,3'-Dichlorobenzidine	10.0	0.180	ug/L	8270C LL
3-Nitroaniline	2.50	0.160	ug/L	8270C LL
4,6-Dinitro-2-methylphenol	2.50	0.830	ug/L	8270C LL
4-Bromophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Chloro-3-methylphenol	1.00	0.170	ug/L	8270C LL
4-Chloroaniline	1.00	0.210	ug/L	8270C LL
4-Chlorophenyl phenyl ether	1.50	0.100	ug/L	8270C LL
4-Nitroaniline	2.50	0.250	ug/L	8270C LL
4-Nitrophenol	2.50	0.560	ug/L	8270C LL
Acenaphthene	1.00	0.0800	ug/L	8270C LL
Acenaphthylene	1.00	0.0600	ug/L	8270C LL
Anthracene	1.00	0.0500	ug/L	8270C LL
Benzidine	10.0	0.610	ug/L	8270C LL
Benzo[a]anthracene	2.00	0.0800	ug/L	8270C LL
Benzo[a]pyrene	1.50	0.0800	ug/L	8270C LL
Benzo[b]fluoranthene	2.00	0.0700	ug/L	8270C LL
Benzo[g,h,i]perylene	2.50	0.0800	ug/L	8270C LL
Benzo[k]fluoranthene	2.00	0.0900	ug/L	8270C LL
Benzyl alcohol	5.50	0.170	ug/L	8270C LL
bis (2-Chloroisopropyl) ether	1.50	0.400	ug/L	8270C LL
Bis(2-chloroethoxy)methane	1.50	0.130	ug/L	8270C LL
Bis(2-chloroethyl)ether	1.50	0.150	ug/L	8270C LL
Bis(2-ethylhexyl) phthalate	2.50	0.370	ug/L	8270C LL
Butyl benzyl phthalate	2.50	0.120	ug/L	8270C LL
Carbazole	6.25	0.170	ug/L	8270C LL
Chrysene	1.50	0.0800	ug/L	8270C LL
Dibenz(a,h)anthracene	2.50	0.0800	ug/L	8270C LL
Dibenzofuran	1.50	0.0800	ug/L	8270C LL
Diethyl phthalate	2.50	1.50	ug/L	8270C LL
Dimethyl phthalate	2.50	0.0700	ug/L	8270C LL
Di-n-butyl phthalate	2.50	0.110	ug/L	8270C LL
Di-n-octyl phthalate	5.00	0.160	ug/L	8270C LL
Fluoranthene	2.50	0.0700	ug/L	8270C LL
Fluorene	1.50	0.0700	ug/L	8270C LL
Hexachlorobenzene	1.50	0.110	ug/L	8270C LL
Hexachlorobutadiene	2.00	0.180	ug/L	8270C LL
Hexachlorocyclopentadiene	1.50	0.130	ug/L	8270C LL
Hexachloroethane	2.00	0.100	ug/L	8270C LL
Indeno[1,2,3-cd]pyrene	2.00	0.0700	ug/L	8270C LL
Isophorone	1.50	0.110	ug/L	8270C LL
Naphthalene	5.00	0.0800	ug/L	8270C LL
Nitrobenzene	1.50	0.110	ug/L	8270C LL

Method: 8270C LL - Semivolatile Organic Compounds by GCMS - Low Levels (Continued)

Analyte	MQL	MDL	Units	Method
N-Nitrosodimethylamine	2.00	0.260	ug/L	8270C LL
N-Nitrosodi-n-propylamine	2.50	0.100	ug/L	8270C LL
N-Nitrosodiphenylamine	1.50	0.100	ug/L	8270C LL
Pentachlorophenol	2.50	0.610	ug/L	8270C LL
Phenanthrene	1.50	0.0600	ug/L	8270C LL
Phenol	1.50	0.0400	ug/L	8270C LL
Pyrene	2.00	0.110	ug/L	8270C LL

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	5.00	0.960	mg/L	TX 1005
>C28-C35	5.00	0.960	mg/L	TX 1005
C6-C12	5.00	0.830	mg/L	TX 1005
C6-C35	5.00	1.56	mg/L	TX 1005

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Ag	0.0100	0.00125	mg/L	6010B
As	0.0100	0.00328	mg/L	6010B
Ba	0.0200	0.00220	mg/L	6010B
Cd	0.00500	0.000350	mg/L	6010B
Cr	0.0100	0.00155	mg/L	6010B
Pb	0.0100	0.00290	mg/L	6010B
Se	0.0400	0.00417	mg/L	6010B

Method: 7470A - Mercury (CVAA)

Analyte	MQL	MDL	Units	Method
Mercury	0.200	0.0820	ug/L	7470A

GC/MS VOA

Analysis Batch: 105049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	8260B	
600-72228-1 - DL	VCP-MW-10	Total/NA	Water	8260B	
600-72228-2	VCP-MW-9	Total/NA	Water	8260B	
600-72228-3	VCP-MW-8	Total/NA	Water	8260B	
600-72228-3 MS	VCP-MW-8	Total/NA	Water	8260B	
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	8260B	
600-72228-4	VCP-DUP-2	Total/NA	Water	8260B	
600-72228-5	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-105049/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-105049/4	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 104949

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	3510C	
600-72228-2	VCP-MW-9	Total/NA	Water	3510C	
600-72228-3	VCP-MW-8	Total/NA	Water	3510C	
600-72228-3 MS	VCP-MW-8	Total/NA	Water	3510C	
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	3510C	
600-72228-4	VCP-DUP-2	Total/NA	Water	3510C	
LCS 600-104949/2-A	Lab Control Sample	Total/NA	Water	3510C	
MB 600-104949/1-A	Method Blank	Total/NA	Water	3510C	

Analysis Batch: 105039

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	8270C LL	104949
600-72228-2	VCP-MW-9	Total/NA	Water	8270C LL	104949
600-72228-3	VCP-MW-8	Total/NA	Water	8270C LL	104949
600-72228-3 MS	VCP-MW-8	Total/NA	Water	8270C LL	104949
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	8270C LL	104949
600-72228-4	VCP-DUP-2	Total/NA	Water	8270C LL	104949
LCS 600-104949/2-A	Lab Control Sample	Total/NA	Water	8270C LL	104949
MB 600-104949/1-A	Method Blank	Total/NA	Water	8270C LL	104949

GC Semi VOA

Prep Batch: 104925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	TX_1005_W_Prep	
600-72228-2	VCP-MW-9	Total/NA	Water	TX_1005_W_Prep	
600-72228-3	VCP-MW-8	Total/NA	Water	TX_1005_W_Prep	
600-72228-3 MS	VCP-MW-8	Total/NA	Water	TX_1005_W_Prep	
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	TX_1005_W_Prep	
600-72228-4	VCP-DUP-2	Total/NA	Water	TX_1005_W_Prep	

GC Semi VOA (Continued)

Prep Batch: 104925 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 600-104925/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
MB 600-104925/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 105021

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	TX 1005	104925
600-72228-2	VCP-MW-9	Total/NA	Water	TX 1005	104925
600-72228-3	VCP-MW-8	Total/NA	Water	TX 1005	104925
600-72228-3 MS	VCP-MW-8	Total/NA	Water	TX 1005	104925
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	TX 1005	104925
600-72228-4	VCP-DUP-2	Total/NA	Water	TX 1005	104925
LCS 600-104925/2-A	Lab Control Sample	Total/NA	Water	TX 1005	104925
MB 600-104925/1-A	Method Blank	Total/NA	Water	TX 1005	104925

Metals

Prep Batch: 104917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	3010A	
600-72228-2	VCP-MW-9	Total/NA	Water	3010A	
600-72228-3	VCP-MW-8	Total/NA	Water	3010A	
600-72228-3 MS	VCP-MW-8	Total/NA	Water	3010A	
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	3010A	
600-72228-4	VCP-DUP-2	Total/NA	Water	3010A	
LCS 600-104917/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-104917/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 104936

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	7470A	
600-72228-2	VCP-MW-9	Total/NA	Water	7470A	
600-72228-3	VCP-MW-8	Total/NA	Water	7470A	
600-72228-3 MS	VCP-MW-8	Total/NA	Water	7470A	
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	7470A	
600-72228-4	VCP-DUP-2	Total/NA	Water	7470A	
LCS 600-104936/8-A	Lab Control Sample	Total/NA	Water	7470A	
MB 600-104936/7-A	Method Blank	Total/NA	Water	7470A	

Analysis Batch: 104964

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	6010B	104917
600-72228-2	VCP-MW-9	Total/NA	Water	6010B	104917
600-72228-3	VCP-MW-8	Total/NA	Water	6010B	104917
600-72228-3 MS	VCP-MW-8	Total/NA	Water	6010B	104917
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	6010B	104917
600-72228-4	VCP-DUP-2	Total/NA	Water	6010B	104917
LCS 600-104917/2-A	Lab Control Sample	Total/NA	Water	6010B	104917
MB 600-104917/1-A	Method Blank	Total/NA	Water	6010B	104917

Metals (Continued)

Analysis Batch: 104969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-1	VCP-MW-10	Total/NA	Water	7470A	104936
600-72228-2	VCP-MW-9	Total/NA	Water	7470A	104936
600-72228-3	VCP-MW-8	Total/NA	Water	7470A	104936
600-72228-3 MS	VCP-MW-8	Total/NA	Water	7470A	104936
600-72228-3 MSD	VCP-MW-8	Total/NA	Water	7470A	104936
600-72228-4	VCP-DUP-2	Total/NA	Water	7470A	104936
LCS 600-104936/8-A	Lab Control Sample	Total/NA	Water	7470A	104936
MB 600-104936/7-A	Method Blank	Total/NA	Water	7470A	104936

Client Sample ID: VCP-MW-10

Lab Sample ID: 600-72228-1

Date Collected: 04/26/13 10:40

Matrix: Water

Date Received: 04/27/13 09:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	105049	04/30/13 15:26	DT	TAL HOU
Total/NA	Analysis	8260B	DL	20	105049	04/30/13 16:45	DT	TAL HOU
Total/NA	Prep	3510C			104949	04/29/13 11:29	RK	TAL HOU
Total/NA	Analysis	8270C LL		1	105039	04/30/13 09:17	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			104925	04/29/13 08:34	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	105021	04/29/13 14:17	RV	TAL HOU
Total/NA	Prep	3010A			104917	04/29/13 07:20	DCL	TAL HOU
Total/NA	Analysis	6010B		1	104964	04/29/13 14:01	DCL	TAL HOU
Total/NA	Prep	7470A			104936	04/29/13 10:02	MJT	TAL HOU
Total/NA	Analysis	7470A		1	104969	04/29/13 13:31	MJT	TAL HOU

Client Sample ID: VCP-MW-9

Lab Sample ID: 600-72228-2

Date Collected: 04/26/13 11:40

Matrix: Water

Date Received: 04/27/13 09:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	105049	04/30/13 14:08	DT	TAL HOU
Total/NA	Prep	3510C			104949	04/29/13 11:29	RK	TAL HOU
Total/NA	Analysis	8270C LL		1	105039	04/30/13 09:44	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			104925	04/29/13 08:34	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	105021	04/29/13 14:54	RV	TAL HOU
Total/NA	Prep	3010A			104917	04/29/13 07:20	DCL	TAL HOU
Total/NA	Analysis	6010B		1	104964	04/29/13 14:05	DCL	TAL HOU
Total/NA	Prep	7470A			104936	04/29/13 10:02	MJT	TAL HOU
Total/NA	Analysis	7470A		1	104969	04/29/13 13:33	MJT	TAL HOU

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-72228-3

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	105049	04/30/13 14:34	DT	TAL HOU
Total/NA	Prep	3510C			104949	04/29/13 11:29	RK	TAL HOU
Total/NA	Analysis	8270C LL		1	105039	04/30/13 10:10	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			104925	04/29/13 08:34	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	105021	04/29/13 15:30	RV	TAL HOU
Total/NA	Prep	3010A			104917	04/29/13 07:20	DCL	TAL HOU
Total/NA	Analysis	6010B		1	104964	04/29/13 14:08	DCL	TAL HOU
Total/NA	Prep	7470A			104936	04/29/13 10:02	MJT	TAL HOU
Total/NA	Analysis	7470A		1	104969	04/29/13 13:35	MJT	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-1

Client Sample ID: VCP-DUP-2

Lab Sample ID: 600-72228-4

Date Collected: 04/26/13 13:00

Matrix: Water

Date Received: 04/27/13 09:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	105049	04/30/13 15:00	DT	TAL HOU
Total/NA	Prep	3510C			104949	04/29/13 11:29	RK	TAL HOU
Total/NA	Analysis	8270C LL		1	105039	04/30/13 11:30	JH	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			104925	04/29/13 08:34	NV	TAL HOU
Total/NA	Analysis	TX 1005		1	105021	04/29/13 17:19	RV	TAL HOU
Total/NA	Prep	3010A			104917	04/29/13 07:20	DCL	TAL HOU
Total/NA	Analysis	6010B		1	104964	04/29/13 14:28	DCL	TAL HOU
Total/NA	Prep	7470A			104936	04/29/13 10:02	MJT	TAL HOU
Total/NA	Analysis	7470A		1	104969	04/29/13 13:40	MJT	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-72228-5

Date Collected: 04/26/13 00:00

Matrix: Water

Date Received: 04/27/13 09:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	105049	04/30/13 11:07	DT	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-72228-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

TestAmerica
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Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: PBW	Project Manager: TIM NICKELS	Date: 4-26-13	Chain of Custody Number: 243460
Address: 2201 DOUBLE CREEK DR	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 1 of 2
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): EXIDE - FRISCO TX - JPARCEL	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs	SVOCs	TPH	METALS-TOTAL	METALS-DISS	Special Instructions/ QC Requirements & Comments/ Special Handling
VCP-MW-10	4-26-13	1040		X						X			X					
VCP-MW-10		1040		X			X							X				
VCP-MW-10		1040		X						X					X			
VCP-MW-10		1040		X					X							X	X	
VCP-MW-9		1140		X						X			X		X			
VCP-MW-9		1140		X			X							X				
VCP-MW-9		1140		X					X							X	X	
VCP-MW-8		1300		X						X			X		X			MS/MSD
VCP-MW-8		1300		X			X							X				MS/MSD
VCP-MW-8		1300		X					X							X	X	MS/MSD
VCP-DUP-2		1300		X						X			X		X			
VCP-DUP-2	↓	1300		X			X							X				

600-72228 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

1. Relinquished By: John Brady	Date: 4-26-13	Time: 1445	1. Received By:	Date: 4/26/13	Time: 1445
2. Relinquished By:	Date:	Time:	2. Received By:	Date: 04/27/13	Time: 0914
3. Relinquished By:	Date:	Time:	3. Received By:	Date:	Time:

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/10/2013

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Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

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5/10/2013

Client: PBW	Project Manager: TIM NICKELS	Date: 4-26-13	Chain of Custody Number: 243464
Address: 2201 DOUBLE CREEK DR	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 2 of 2
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): EXIDE - PRISCO, TX JPARCEL	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: MEMLS-TOTAL	MEMLS-DISSOLVED	VOCS	Special Instructions/ Conditions of Receipt
VCP-DUP-2	4-26-13	1300		X					X				X	X		
TRIP BLANK															X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4-26-13	1445	1. Received By	4/26/13	1445
2. Relinquished By			2. Received By	04/27/13	0914
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72228-1

Login Number: 72228

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8 2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-72228-2
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
5/9/2013 5:27:21 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-72228-2

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		05/09/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/06/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-72228-2
Reviewer Name: TWR	Prep Batch Number(s): 600-104917- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALs Batches:	102868, 102755p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.0177	0.5
Antimony	0.0063	0.01	0.0105	0.05
Arsenic	0.0033	0.01	0.0077	0.01
Barium	0.0022	0.005	0.0026	0.02
Beryllium	0.00134	0.002	0.0042	0.005
Boron	0.0077	0.02	0.0193	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.0583	1
Chromium	0.0016	0.002	0.0037	0.01
Cobalt	0.00063	0.001	0.0012	0.01
Copper	0.0014	0.002	0.0012	0.01
Iron	0.087	0.1	0.1011	0.4
Lithium	0.0024	0.005	0.0043	0.2
Lead	0.0029	0.005	0.005	0.01
Selenium	0.0042	0.01	0.0083	0.04
Manganese	0.00084	0.002	0.002	0.01
Molybdenum	0.0027	0.005	0.0048	0.01
Nickel	0.00179	0.005	0.0043	0.01
Silver	0.0012	0.0025	0.0024	0.01
Sodium	0.02	0.05	0.0465	1
Strontium	0.0005	0.001	0.001	0.005
Thallium	0.0078	0.02	0.0184	0.03
Tin	0.0028	0.005	0.0049	0.01
Titanium	0.0011	0.002	0.0023	0.01
Vanadium	0.0017	0.002	0.0048	0.01
Zinc	0.0022	0.005	0.0065	0.01

Job ID: 600-72228-2

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-72228-2

Comments
No additional comments.

Receipt
The samples were received on 4/27/2013 9:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperatures of the 2 coolers at receipt time were 1.8º C and 2.6º C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-72228-2	VCP-MW-9	Water	04/26/13 11:40	04/27/13 09:14

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Client Sample ID: VCP-MW-9
Date Collected: 04/26/13 11:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-2
Matrix: Water

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.0179		0.0100	0.00328	mg/L		04/29/13 07:20	05/01/13 16:12	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-104917/1-A
Matrix: Water
Analysis Batch: 105126

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 104917

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00328	U	0.0100	0.00328	mg/L		04/29/13 07:20	05/01/13 15:55	1

Lab Sample ID: LCS 600-104917/2-A
Matrix: Water
Analysis Batch: 105126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 104917

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	1.00	0.9094		mg/L		91	80 - 120

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Method: 6010B - Metals (ICP) - Dissolved

Analyte	MQL	MDL	Units	Method
Arsenic, Dissolved	0.0100	0.00328	mg/L	6010B

QC Association Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Metals

Prep Batch: 104917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-2	VCP-MW-9	Dissolved	Water	3010A	
LCS 600-104917/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-104917/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 105126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-72228-2	VCP-MW-9	Dissolved	Water	6010B	104917
LCS 600-104917/2-A	Lab Control Sample	Total/NA	Water	6010B	104917
MB 600-104917/1-A	Method Blank	Total/NA	Water	6010B	104917

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Client Sample ID: VCP-MW-9
Date Collected: 04/26/13 11:40
Date Received: 04/27/13 09:14

Lab Sample ID: 600-72228-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Prep	3010A			104917	04/29/13 07:20	DCL	TAL HOU
Dissolved	Analysis	6010B		1	105126	05/01/13 16:12	DCL	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-72228-2

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

Client: PBW	Project Manager: TIM NICKELS	Date: 4-26-13	Chain of Custody Number: 243460
Address: 2201 DOUBLE CREEK DR	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 1 of 2
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): EXIDE - FRISCO TX - JPARCEL	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: VOCs	SVOCs	TPH	METALS-TOTAL	METALS-DISSOLVED	
VCP-MW-10	4-26-13	1040		X						X			X					
VCP-MW-10		1040		X			X							X				
VCP-MW-10		1040		X						X					X			
VCP-MW-10		1040		X					X							X	X	
VCP-MW-9		1140		X						X			X		X			
VCP-MW-9		1140		X			X							X				
VCP-MW-9		1140		X					X							X	X	
VCP-MW-8		1300		X						X			X		X			MS/MSD
VCP-MW-8		1300		X			X							X				MS/MSD
VCP-MW-8		1300		X					X							X	X	MS/MSD
VCP-DUP-2		1300		X						X			X		X			
VCP-DUP-2		1300		X			X							X				

600-72228 Chain of Custody

Instructions/ of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: [signature]	4-26-13	1445	1. Received By: [signature]	4/26/13	1445
2. Relinquished By			2. Received By: [signature]	04/27/13	0914
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

5/9/2013

Page 18 of 20

Chain of Custody Record

TAL-4124 (1007)

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

5/9/2013

Client: PBW	Project Manager: TIM NICKELS	Date: 4-26-13	Chain of Custody Number: 243464
Address: 2201 DOUBLE CREEK DR	Telephone Number (Area Code)/Fax Number: 512-671-3434	Lab Number:	Page 2 of 2
City: Round Rock / State: TX / Zip Code: 78664	Site Contact:	Lab Contact:	
Project Name and Location (State): EXIDE - PRISCO, TX JPARCEL	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: MEMLS-TOTAL	MEMLS-DISSOLVED	VOCS
VCP-DUP-2	4-26-13	1300		X					X				X	X	
TRIP BLANK															X

Special Instructions/ Conditions of Receipt

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☒ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By	4-26-13	1445	1. Received By	4/26/13	1445
2. Relinquished By			2. Received By	04/27/13	0914
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: *WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy*

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-72228-2

Login Number: 72228

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.8 2.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

PROJECT:	Exide Undeveloped Buffer Property Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Soil Sampling – May 2013	
INTENDED USE:	Evaluate potential impacts to the site	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Orders: 600-73242-1 and 600-73543-1	
TESTS/ METHODS:	Total Metals (Cd, Cu, and/or Pb)	SW846 3050B/6010B
SAMPLES REVIEWED:	11 soil samples, 1 laboratory MS/MSD/MD (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports; and
- Laboratory Electronic Data Deliverable (EDD).

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and $\pm$MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each applicable analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs.

2. Usability of Qualified Data – No QC deficiencies were noted and the reviewer did not apply any data quality flags. Thus, all results are acceptable for the intended use.

QAA Reviewer: Taryn G. Scholz (Name) 6/4/13 (Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data packages contain all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contains all sample results in acceptable format. No package or EDD revisions were required.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody record is complete and agrees with that in the laboratory report and the results for all tests are reported as requested.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation.
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a shipping cooler with ice for pickup by the laboratory courier and overnight delivery to the laboratory.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL and the EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in mg/kg with dry-weight correction. Non-detects are reported using the SDL as specified per TRRP. There are no detects between the SDL and MQL and none of the samples required dilution.
MQLs	The LORPs have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. The Unadjusted MQLs for the laboratory are at or below the LORPs for each analyte.
MDLs	According to the LRC, an MDL study was performed for each applicable analyte (i.e., each metal), and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data packages.
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory.
Field QC Blanks	No field QC blanks were collected with the samples.
Laboratory Control Spike Recovery	The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. The LCS recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.
Matrix Spike Recovery	The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. Recoveries are reported for MS/MSD prepared using a sample from the work order, of which there is one (HI-15C (2-3)) for this event as shown in Table 1. The MS/MSD recoveries are within the TRRP recommended criteria, which indicates good accuracy for the preparation and analysis technique on the given sample matrix.

QC PARAMETER	QC OUTCOME
Surrogate Recovery	Surrogates are not used for 6010B metals analysis.
Laboratory Duplicate Precision	The MD and MSD RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix.
Field Duplicate Precision	No field duplicates were collected with the samples.
Instrument Tuning	Instrument tuning is not required for 6010B metals analysis.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	Internal standards are not used for 6010B metals analysis.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
SOIL SAMPLING – MAY 2013

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch		
						pH	Cd	Pb
600-73242-001	CF - 11	INV	Solid	5/15/13	1	NA	106257	NA
600-73242-002	CF - 12	INV	Solid	5/15/13	1	NA	106257	NA
600-73242-003	CF - 13	INV	Solid	5/15/13	1	NA	106257	NA
600-73242-004	CF - 14	INV	Solid	5/15/13	1	NA	106257	NA
600-73242-005	CF - 1 (0.5-1)	INV	Solid	5/15/13	1	NA	106257	NA
600-73543-001	HI-15B (1-2)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-002	HI-15B (2-3)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-004	HI-15A (1-2)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-005	HI-15A (2-3)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-007	HI-15C (1-2)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-008	HI-15C (2-3)	INV	Solid	5/21/13	1	106792	NA	106792
600-73543-008	HI-15C (2-3)	MS	Solid	5/21/13	1	106792	NA	106792
600-73543-008	HI-15C (2-3)	MSD	Solid	5/21/13	1	106792	NA	106792
600-73543-008	HI-15C (2-3)	MD	Solid	5/21/13	1	106792	NA	106792

DF – Dilution Factor

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Lithium	TX	1080	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-12-9

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2013

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 11/1/2012

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7470

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10165807

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

Method EPA 8015

Analyte	**AB**	**Analyte ID**	**Method ID**
Allyl alcohol	TX	4350	10173601
Diesel range organics (DRO)	TX	9369	10173601
Ethanol	TX	4750	10173601
Ethylene glycol	TX	4785	10173601
Gasoline range organics (GRO)	TX	9408	10173601
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10173601
Isopropyl alcohol (2-Propanol, Isopropanol)	TX	4895	10173601
Methanol	TX	4930	10173601
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10173601
n-Propanol (1-Propanol)	TX	5055	10173601

Method EPA 8021

Analyte	**AB**	**Analyte ID**	**Method ID**
Benzene	TX	4375	10174808
m+p-xylene	TX	5240	10174808
Methyl tert-butyl ether (MTBE)	TX	5000	10174808
o-Xylene	TX	5250	10174808
Toluene	TX	5140	10174808
Xylene (total)	TX	5260	10174808

Method EPA 8081

Analyte	**AB**	**Analyte ID**	**Method ID**

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-73242-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
6/3/2013 2:25:00 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-73242-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		06/03/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/21/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73242
Reviewer Name: TWR	Prep Batch Number(s): 600-106257- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?				X	1
		Were MS/MSD RPDs within laboratory QC limits?				X	1
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?				X	2
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/21/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73242
Reviewer Name: TWR	Prep Batch Number(s): 600-106257- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	3
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/21/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73242
Reviewer Name: TWR	Prep Batch Number(s): 600-106257- ICP

ER #[1]	DESCRIPTION
1	The laboratory selected a sample from another group to perform as the MS/MSD.
2	The laboratory selected a sample from another group to perform as the DUP.
3	The laboratory selected a sample from another group to perform as the PDS and SD.

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-73242-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-73242-1

Comments
No additional comments.

Receipt
The samples were received on 5/16/2013 8:41 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.3º C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-73242-1	CF - 11	Solid	05/15/13 13:10	05/16/13 08:41
600-73242-2	CF - 12	Solid	05/15/13 13:20	05/16/13 08:41
600-73242-3	CF - 13	Solid	05/15/13 13:40	05/16/13 08:41
600-73242-4	CF - 14	Solid	05/15/13 13:50	05/16/13 08:41
600-73242-5	CF - 1 (0.5-1)	Solid	05/15/13 14:00	05/16/13 08:41

Client Sample ID: CF - 11

Lab Sample ID: 600-73242-1
Date Collected: 05/15/13 13:10
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 83.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	49.2		0.590	0.205	mg/Kg	☼	05/16/13 11:26	05/17/13 08:59	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/16/13 15:19	1
Percent Solids	84		1.0	1.0	%			05/16/13 15:19	1

Client Sample ID: CF - 12

Lab Sample ID: 600-73242-2
Date Collected: 05/15/13 13:20
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 82.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	20.2		0.586	0.204	mg/Kg	☼	05/16/13 11:26	05/17/13 09:01	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	18		1.0	1.0	%			05/16/13 15:19	1
Percent Solids	82		1.0	1.0	%			05/16/13 15:19	1

Client Sample ID: CF - 13

Lab Sample ID: 600-73242-3
Date Collected: 05/15/13 13:40
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 82.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	14.2		0.582	0.202	mg/Kg	☼	05/16/13 11:26	05/17/13 09:04	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	17		1.0	1.0	%			05/16/13 15:19	1
Percent Solids	83		1.0	1.0	%			05/16/13 15:19	1

Client Sample ID: CF - 14

Lab Sample ID: 600-73242-4
Date Collected: 05/15/13 13:50
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	19.2		0.566	0.196	mg/Kg	☼	05/16/13 11:26	05/17/13 09:06	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/16/13 15:19	1
Percent Solids	86		1.0	1.0	%			05/16/13 15:19	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Client Sample ID: CF - 1 (0.5-1)
Date Collected: 05/15/13 14:00
Date Received: 05/16/13 08:41

Lab Sample ID: 600-73242-5
Matrix: Solid
Percent Solids: 78.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	279		0.634	0.220	mg/Kg	☼	05/16/13 11:26	05/17/13 09:09	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			05/16/13 15:19	1
Percent Solids	79		1.0	1.0	%			05/16/13 15:19	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Sample Results

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-106257/1-A
Matrix: Solid
Analysis Batch: 106316

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 106257

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	0.174	U	0.500	0.174	mg/Kg		05/16/13 11:26	05/17/13 08:37	1

Lab Sample ID: LCSSRM 600-106257/2-A
Matrix: Solid
Analysis Batch: 106316

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 106257

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Copper			118	114.9		mg/Kg		97.4	81.6 - 117.8		

Method: Moisture - Percent Moisture

Lab Sample ID: 600-73242-5 DU
Matrix: Solid
Analysis Batch: 106285

Client Sample ID: CF - 1 (0.5-1)
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	21			21		%				0.8	20
Percent Solids	79			79		%				0.2	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Copper	0.500	0.174	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

QC Association Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Metals

Prep Batch: 106257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73242-1	CF - 11	Total/NA	Solid	3050B	
600-73242-2	CF - 12	Total/NA	Solid	3050B	
600-73242-3	CF - 13	Total/NA	Solid	3050B	
600-73242-4	CF - 14	Total/NA	Solid	3050B	
600-73242-5	CF - 1 (0.5-1)	Total/NA	Solid	3050B	
LCSSRM 600-106257/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-106257/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106316

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73242-1	CF - 11	Total/NA	Solid	6010B	106257
600-73242-2	CF - 12	Total/NA	Solid	6010B	106257
600-73242-3	CF - 13	Total/NA	Solid	6010B	106257
600-73242-4	CF - 14	Total/NA	Solid	6010B	106257
600-73242-5	CF - 1 (0.5-1)	Total/NA	Solid	6010B	106257
LCSSRM 600-106257/2-A	Lab Control Sample	Total/NA	Solid	6010B	106257
MB 600-106257/1-A	Method Blank	Total/NA	Solid	6010B	106257

General Chemistry

Analysis Batch: 106285

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73242-1	CF - 11	Total/NA	Solid	Moisture	
600-73242-2	CF - 12	Total/NA	Solid	Moisture	
600-73242-3	CF - 13	Total/NA	Solid	Moisture	
600-73242-4	CF - 14	Total/NA	Solid	Moisture	
600-73242-5	CF - 1 (0.5-1)	Total/NA	Solid	Moisture	
600-73242-5 DU	CF - 1 (0.5-1)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73242-1

Client Sample ID: CF - 11

Lab Sample ID: 600-73242-1

Date Collected: 05/15/13 13:10
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 83.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106257	05/16/13 11:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	106316	05/17/13 08:59	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106285	05/16/13 15:19	MB	TAL HOU

Client Sample ID: CF - 12

Lab Sample ID: 600-73242-2

Date Collected: 05/15/13 13:20
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 82.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106257	05/16/13 11:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	106316	05/17/13 09:01	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106285	05/16/13 15:19	MB	TAL HOU

Client Sample ID: CF - 13

Lab Sample ID: 600-73242-3

Date Collected: 05/15/13 13:40
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 82.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106257	05/16/13 11:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	106316	05/17/13 09:04	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106285	05/16/13 15:19	MB	TAL HOU

Client Sample ID: CF - 14

Lab Sample ID: 600-73242-4

Date Collected: 05/15/13 13:50
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106257	05/16/13 11:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	106316	05/17/13 09:06	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106285	05/16/13 15:19	MB	TAL HOU

Client Sample ID: CF - 1 (0.5-1)

Lab Sample ID: 600-73242-5

Date Collected: 05/15/13 14:00
Matrix: Solid
Date Received: 05/16/13 08:41
Percent Solids: 78.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106257	05/16/13 11:26	NER	TAL HOU
Total/NA	Analysis	6010B		1	106316	05/17/13 09:09	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106285	05/16/13 15:19	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-73242-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TAL-4124 (1007)

Client: Pastor Behling & Wheeler	Project Manager: Tim Nickels	Date: 5/15/13	Chain of Custody Number: 225424
Address: 2100 Double Creek Dr, Ste 400	Telephone Number (Area Code)/Fax Number: (512) 671-3434	Lab Number:	Page 1 of 1
City: Round Rock	State: TX	Zip Code: 78664	Site Contact: T. Jennings	Lab Contact:
Project Name and Location (State): Exide - VCP Investigation	Carrier/Waybill Number:		
Contract/Purchase Order/Quote No.: 1824			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	Copper
CF-11	5/15/13	1310				X	1						X
CF-12		1320				X	1						X
CF-13		1340				X	1						X
CF-14		1350				X	1						X
CF-1(0.5-1)		1400				X	1						X

600-73242 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By	5/15/13	1410
2. Relinquished By	5/15/13	1710
3. Relinquished By		

	Date	Time
1. Received By: McCowen	5/15/13	1410
2. Received By:		
3. Received By:	05/16/13	0841

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

6/3/2013

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-73242-1

Login Number: 73242

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-73543-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
6/3/2013 2:31:13 PM
Cathy Upton, Data Delivery Analyst
(713)690-4444
cathy.upton@testamericainc.com

Designee for

Sachin Kudchadkar, Project Manager II
sachin.kudchadkar@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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TestAmerica Houston
TRRP Data Package Cover Page

Job Number: 600-73543-1

Project Name/Number: Exide Recycling Center, Frisco TX Project

This Data Package consists of:

This signature page, the laboratory review checklist, and the following Reportable Data:

- ☒ R1 Field Chain-of-Custody Form
- ☒ R2 Sample Identification Cross-reference;
- ☒ R3 Test Reports (Analytical Data Sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC Chapter 5
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☒ R4 Surrogate Recovery Data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☒ R5 Test Reports/Summary Forms for Blank Samples;
- ☒ R6 Test Reports/Summary Forms for Laboratory Control Samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - d) The laboratory's LCS QC limits
- ☒ R7 Test Reports for Matrix Spike/Matrix Spike Duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and spiked sample,
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☒ R8 Laboratory analytical duplicates (if applicable) recovery and precision, including:
  - a) the amount of analyte measured in the duplicate,
  - b) the calculated RPD, and
  - c) the laboratory's QC limits for analytical duplicates.
- ☒ R9 List of method quantitation limit (MQL) and detectability check sample results for each analyte for each method and matrix;
- ☒ R10 Other problems or anomalies

The exception report for each "No" or "Not Reviewed (NR)" item in the Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under Texas laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm, to the best of my knowledge, that all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Cathy Upton		06/03/2013
Name (printed)	Signature	Date
Data Delivery Analyst		
Official Title (printed)		

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/29/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73543
Reviewer Name: TWR	Prep Batch Number(s): 600-106792- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
		Chain-of-custody (C-O-C)					
R1	OI	Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?			X		
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soil/solid samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Reportable Data

Laboratory Name: TestAmerica-Houston	LRC Date: 05/29/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73543
Reviewer Name: TWR	Prep Batch Number(s): 600-106792- ICP

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?			X		
		Were percent RSDs or correlation coefficient criteria met?			X		
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?			X		
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICCV and CCV) and continuing calibration**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning:**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS):**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?			X		
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs):**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results:**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports:**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs):**					
		Are laboratory SOPs current and on file for each method performed?	X				

1 Items identified by the letter "R" should be included in the laboratory data package submitted to the TCEQ in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2 O = organic analyses; I = inorganic analyses (and general chemistry, when applicable).
3 NA = Not applicable.
4 NR = Not Reviewed.
5 ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Appendix A (cont'd): Laboratory Review Checklist: Exception Reports	
Laboratory Name: TestAmerica-Houston	LRC Date: 05/29/13
Project Name: Exide Recycling Center, Frisco TX	Laboratory Job Number: 600-73543
Reviewer Name: TWR	Prep Batch Number(s): 600-106792- ICP

ER #[1]	DESCRIPTION

ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on the LRC)

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	3/29/2013
Date Prepared:	3/28/2013
Instrument:	Thermo 6500
TALS Batches:	102868, 102784p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.98	25
Antimony	0.231553	0.45	0.485	2.5
Arsenic	0.217923	0.5	0.465	1
Barium	0.011322	0.03	0.095	1
Beryllium	0.014513	0.02	0.025	0.25
Boron	0.385535	0.6	0.74	20
Cadmium	0.025642	0.05	0.055	0.25
Calcium	0.86399	1.5	2.825	100
Chromium	0.050606	0.1	0.075	0.5
Cobalt	0.067622	0.1	0.115	0.5
Copper	0.173703	0.5	0.455	0.5
Iron	2.534007	4	3.86	20
Lead	0.104832	0.2	0.22	0.5
Selenium	0.258884	0.5	0.535	2
Manganese	0.038111	0.05	0.045	1.5
Molybdenum	0.136448	0.35	0.32	0.5
Nickel	0.116599	0.15	0.135	1
Silver	0.118848	0.2	0.205	0.5
Sodium	0.885548	2.4	2.08	100
Strontium	0.00252	0.005	0.995	0.25
Thallium	0.276988	0.7	0.595	1.5
Tin	0.08729	0.15	0.155	1
Titanium	0.014529	0.03	0.025	0.5
Vanadium	0.079068	0.15	0.175	0.5
Zinc	0.108432	0.2	0.33	1.5

Job ID: 600-73543-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-73543-1

Comments
No additional comments.

Receipt
The samples were received on 5/23/2013 9:49 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 3.4° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-73543-1	HI-15B (1-2)	Solid	05/21/13 09:58	05/23/13 09:49
600-73543-2	HI-15B (2-3)	Solid	05/21/13 09:59	05/23/13 09:49
600-73543-4	HI-15A (1-2)	Solid	05/21/13 10:11	05/23/13 09:49
600-73543-5	HI-15A (2-3)	Solid	05/21/13 10:12	05/23/13 09:49
600-73543-7	HI-15C (1-2)	Solid	05/21/13 10:35	05/23/13 09:49
600-73543-8	HI-15C (2-3)	Solid	05/21/13 10:36	05/23/13 09:49

Client Sample ID: HI-15B (1-2)

Lab Sample ID: 600-73543-1

Date Collected: 05/21/13 09:58
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 84.4

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.69		0.285	0.0292	mg/Kg	☼	05/23/13 12:51	05/23/13 20:53	1
Lead	297		0.569	0.119	mg/Kg	☼	05/23/13 12:51	05/23/13 20:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	16		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	84		1.0	1.0	%			05/23/13 13:46	1

Client Sample ID: HI-15B (2-3)

Lab Sample ID: 600-73543-2

Date Collected: 05/21/13 09:59
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 86.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.346		0.266	0.0273	mg/Kg	☼	05/23/13 12:51	05/23/13 20:55	1
Lead	10.9		0.532	0.112	mg/Kg	☼	05/23/13 12:51	05/23/13 20:55	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	86		1.0	1.0	%			05/23/13 13:46	1

Client Sample ID: HI-15A (1-2)

Lab Sample ID: 600-73543-4

Date Collected: 05/21/13 10:11
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 87.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.631		0.282	0.0289	mg/Kg	☼	05/23/13 12:51	05/23/13 20:58	1
Lead	78.3		0.563	0.118	mg/Kg	☼	05/23/13 12:51	05/23/13 20:58	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	87		1.0	1.0	%			05/23/13 13:46	1

Client Sample ID: HI-15A (2-3)

Lab Sample ID: 600-73543-5

Date Collected: 05/21/13 10:12
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 85.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.273		0.268	0.0275	mg/Kg	☼	05/23/13 12:51	05/23/13 21:00	1
Lead	10.9		0.536	0.112	mg/Kg	☼	05/23/13 12:51	05/23/13 21:00	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	86		1.0	1.0	%			05/23/13 13:46	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Client Sample ID: HI-15C (1-2)

Lab Sample ID: 600-73543-7

Date Collected: 05/21/13 10:35
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.398		0.280	0.0287	mg/Kg	☼	05/23/13 12:51	05/23/13 21:03	1
Lead	20.1		0.560	0.117	mg/Kg	☼	05/23/13 12:51	05/23/13 21:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	87		1.0	1.0	%			05/23/13 13:46	1

Client Sample ID: HI-15C (2-3)

Lab Sample ID: 600-73543-8

Date Collected: 05/21/13 10:36
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 85.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.385		0.275	0.0282	mg/Kg	☼	05/23/13 12:51	05/23/13 21:05	1
Lead	13.0		0.550	0.115	mg/Kg	☼	05/23/13 12:51	05/23/13 21:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14		1.0	1.0	%			05/23/13 13:46	1
Percent Solids	86		1.0	1.0	%			05/23/13 13:46	1

Qualifiers

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-106792/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106839 — **Prep Batch: 106792**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.0256	U	0.250	0.0256	mg/Kg		05/23/13 12:51	05/23/13 20:48	1
Lead	0.105	U	0.500	0.105	mg/Kg		05/23/13 12:51	05/23/13 20:48	1

Lab Sample ID: LCSSRM 600-106792/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106839 — **Prep Batch: 106792**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	103	108.1		mg/Kg		105.0	83.6 - 115.5
Lead	76.9	84.45		mg/Kg		109.8	81.3 - 118.7

Lab Sample ID: 600-73543-8 MS — **Client Sample ID: HI-15C (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106839 — **Prep Batch: 106792**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	0.385		27.0	26.00		mg/Kg	☼	95	75 - 125
Lead	13.0		54.0	69.38		mg/Kg	☼	104	75 - 125

Lab Sample ID: 600-73543-8 MSD — **Client Sample ID: HI-15C (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106839 — **Prep Batch: 106792**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.385		27.2	26.08		mg/Kg	☼	94	75 - 125	0	20
Lead	13.0		54.5	68.06		mg/Kg	☼	101	75 - 125	2	20

Lab Sample ID: 600-73543-8 DU — **Client Sample ID: HI-15C (2-3)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106839 — **Prep Batch: 106792**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	0.385		0.3665		mg/Kg	☼	5	20
Lead	13.0		12.81		mg/Kg	☼	1	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-73543-1 DU — **Client Sample ID: HI-15B (1-2)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 106806

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	16		16		%		2	20
Percent Solids	84		84		%		0.4	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 106792

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73543-1	HI-15B (1-2)	Total/NA	Solid	3050B	
600-73543-2	HI-15B (2-3)	Total/NA	Solid	3050B	
600-73543-4	HI-15A (1-2)	Total/NA	Solid	3050B	
600-73543-5	HI-15A (2-3)	Total/NA	Solid	3050B	
600-73543-7	HI-15C (1-2)	Total/NA	Solid	3050B	
600-73543-8	HI-15C (2-3)	Total/NA	Solid	3050B	
600-73543-8 DU	HI-15C (2-3)	Total/NA	Solid	3050B	
600-73543-8 MS	HI-15C (2-3)	Total/NA	Solid	3050B	
600-73543-8 MSD	HI-15C (2-3)	Total/NA	Solid	3050B	
LCSSRM 600-106792/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-106792/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 106839

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73543-1	HI-15B (1-2)	Total/NA	Solid	6010B	106792
600-73543-2	HI-15B (2-3)	Total/NA	Solid	6010B	106792
600-73543-4	HI-15A (1-2)	Total/NA	Solid	6010B	106792
600-73543-5	HI-15A (2-3)	Total/NA	Solid	6010B	106792
600-73543-7	HI-15C (1-2)	Total/NA	Solid	6010B	106792
600-73543-8	HI-15C (2-3)	Total/NA	Solid	6010B	106792
600-73543-8 DU	HI-15C (2-3)	Total/NA	Solid	6010B	106792
600-73543-8 MS	HI-15C (2-3)	Total/NA	Solid	6010B	106792
600-73543-8 MSD	HI-15C (2-3)	Total/NA	Solid	6010B	106792
LCSSRM 600-106792/2-A	Lab Control Sample	Total/NA	Solid	6010B	106792
MB 600-106792/1-A	Method Blank	Total/NA	Solid	6010B	106792

General Chemistry

Analysis Batch: 106806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-73543-1	HI-15B (1-2)	Total/NA	Solid	Moisture	
600-73543-1 DU	HI-15B (1-2)	Total/NA	Solid	Moisture	
600-73543-2	HI-15B (2-3)	Total/NA	Solid	Moisture	
600-73543-4	HI-15A (1-2)	Total/NA	Solid	Moisture	
600-73543-5	HI-15A (2-3)	Total/NA	Solid	Moisture	
600-73543-7	HI-15C (1-2)	Total/NA	Solid	Moisture	
600-73543-8	HI-15C (2-3)	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Client Sample ID: HI-15B (1-2)

Lab Sample ID: 600-73543-1

Date Collected: 05/21/13 09:58
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 84.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 20:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Client Sample ID: HI-15B (2-3)

Lab Sample ID: 600-73543-2

Date Collected: 05/21/13 09:59
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 86.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 20:55	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Client Sample ID: HI-15A (1-2)

Lab Sample ID: 600-73543-4

Date Collected: 05/21/13 10:11
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 87.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 20:58	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Client Sample ID: HI-15A (2-3)

Lab Sample ID: 600-73543-5

Date Collected: 05/21/13 10:12
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 85.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 21:00	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Client Sample ID: HI-15C (1-2)

Lab Sample ID: 600-73543-7

Date Collected: 05/21/13 10:35
Matrix: Solid
Date Received: 05/23/13 09:49
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 21:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-73543-1

Client Sample ID: HI-15C (2-3)
Date Collected: 05/21/13 10:36
Date Received: 05/23/13 09:49

Lab Sample ID: 600-73543-8
Matrix: Solid
Percent Solids: 85.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			106792	05/23/13 12:51	NER	TAL HOU
Total/NA	Analysis	6010B		1	106839	05/23/13 21:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	106806	05/23/13 13:46	MB	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-73543-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-12 *
Louisiana	NELAP	6	01967	06-30-13
Oklahoma	State Program	6	9503	08-31-13
Texas	NELAP	6	T104704223-10-6-TX	10-31-13
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	GULF	10-31-13

* Expired certification is currently pending renewal and is considered valid.

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes☐ No☐

TestAmerica
THE LEADER IN ENVIRONMENTAL

600-73543 Chain of Custody

6/3/2013

TAL-4124 (1007)

Client	Project Manager	Date	Chain of Custody Number
Pastor, Behling & Wheeler	Tim Nickels	5/21/13	239010
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 1**
2201 Double Creek Dr. #4004	(512) 671-3434		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Round Rock / TX / 78664	R. Russell		
Project Name and Location (State)	**Carrier/Waybill Number**		
Exide VCP			
Contract/Purchase Order/Quote No.			
1824			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis: Pb, cd	Special Instructions/ Conditions of Receipt
HI-15B(1-2)	5/21/13	0958				X	X						X	
HI-15B(2-3)	↓	0959				↓	↓						↓	
HI-15B(3-3.5)		1000												Hold
HI-15A(1-2)		1011												
HI-15A(2-3)		1012												
HI-15A(3-4)		1013												Hold
HI-15C(1-2)		1035												
HI-15C(2-3)		1036												
HI-15C(3-4)	↓	1037				↓	↓						↓	Hold

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☒ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify)

	Date	Time
1. Relinquished By	5/22/13	1100
2. Relinquished By	5/22/13	1730
3. Relinquished By		
1. Received By	5/22/13	1100
2. Received By		
3. Received By	05/23/13	0949

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-73543-1

Login Number: 73543

List Source: TestAmerica Houston

List Number: 1

Creator: Pulumbarit, Josh

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	

PROJECT:	Exide Undeveloped Buffer Property Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Grid Resampling – January 2014	
INTENDED USE:	Evaluation and Delineation of Soils	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-85108-1	
TESTS/ METHODS:	Total Metals (Cd and Pb)	SW846 3050B/6010B
SAMPLES REVIEWED:	8 soil samples, 1 field duplicate, 1 field MS/MSD/MD (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRC) with the associated exception reports; and
- Laboratory Electronic Data Deliverable (EDD).

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRC to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and $\pm$MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13
- Soil Samples: $\pm$ 3x MQL difference (if either result is less than 5x MQL) or 50% RPD (for field duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – There are no non-detects for the data set.
2. Usability of Qualified Data – There are no qualified results for the data set.

QAA Reviewer:	Taryn G. Scholz	1/23/14
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data package contains all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contains all sample results in acceptable format. The data package required revision, as detailed in the laboratory narrative.
Chain-of-Custody	Proper sample custody procedures were used and the information on the custody record is complete, which confirms that the integrity of the samples was maintained. The reviewer also confirmed that all tests are reported as requested on the custody record and found no issues.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation. Note that neither chemical nor thermal preservation is required for metals (except Mercury, which was not requested) in soils per SW-846 *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*.
Field Procedures	The samples were collected and placed immediately into sterilized jars provided by the laboratory and then into a shipping cooler for overnight delivery to the laboratory. One field duplicate and one field MS/MSD pair was collected and analyzed with the eight investigative samples.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL. The EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in mg/kg with dry-weight correction. For QC samples, non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. There are no non-detects or detects between the SDL and MQL for the field samples. None of the samples required dilution, and thus there are no elevated reporting limits.
MQLs	The LORPs have been established by PBW as the Resident Assessment Levels (RALs), which are the minimum of the TRRP residential Tier 1 $^{Tot}Soil_{Comb}$ and Tier 1 or Tier 2 $^{GW}Soil_{Class3}$ PCLs for a 30-acre source area. The Unadjusted MQLs for the laboratory are at or below the LORPs for each metal.
MDLs	According to the LRC, an MDL study was performed for each applicable analyte (i.e., each metal), and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCS) as required per TRRP-13. Results for the DCS are included in the laboratory data package.
Laboratory Blanks	No analytes are reported above the detection limit in the laboratory blank, which confirms that no contamination was introduced in the laboratory, except as follows: Blank Type: Method; QC Batch: 124446; Analyte: Cadmium; Blank Concentration: 0.03000 J mg/kg Results for samples prepared in the same QC batch as a contaminated method blank may be biased high due to laboratory contamination. None of the samples associated with the above blank have a cadmium concentration similar to the blank (i.e., within five times that measured in the blank), and thus no data qualification is required.
Field QC Blanks	No field QC blanks were collected with the samples.

QC PARAMETER	QC OUTCOME
Laboratory Control Spike Recovery	The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes. The LCS recoveries are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects.
Matrix Spike Recovery	The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes. The MS/MSD was prepared using sample D-9N (0”-3”) from the site as shown in Table 1. The MS/MSD recoveries are within the TRRP recommended criteria, which indicates good accuracy for the preparation and analysis technique on the given sample matrix.
Surrogate Recovery	Surrogates are not used for 6010B metals analysis.
Laboratory Duplicate Precision	The laboratory prepared one Matrix Duplicate (MD) plus one Matrix Spike Duplicate (MSD) for each analytical batch. RPDs are reported for MD and MSD prepared using a sample from the site, which includes one MD and one MSD for this event as shown in Table 1. The MD and MSD RPDs are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix.
Field Duplicate Precision	One field duplicate was collected with the samples. Results are summarized in Table 2. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP criteria, which indicates good precision for the sampling, preparation, and analysis technique on the given sample matrix.
Instrument Tuning	Instrument tuning is not required for 6010B metals analysis.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations.
Instrument Performance	According to the LRC, the serial dilution and/or ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	Internal standards are not used for 6010B metals analysis.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION
GRID RESAMPLING – JANUARY 2014

SAMPLES ANALYZED

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch	
						Cd	Pb
600-85108-001	M-14 (3"-6")	INV	Solid	1/3/14	1	124446	124446
600-85108-002	N-11E (0"-3")	INV	Solid	1/3/14	1	124446	124446
600-85108-003	M-17W (0"-3")	INV	Solid	1/3/14	1	124446	124446
600-85108-004	L-17N (0"-3")	INV	Solid	1/3/14	1	124446	124446
600-85108-005	G-16S (0"-3")	INV	Solid	1/3/14	1	124446	124446
600-85108-006	E-9 (6"-12")	INV	Solid	1/3/14	1	124446	124446
600-85108-007	D-9N (0"-3")	INV	Solid	1/3/14	1	124446	124446
600-85108-007	D-9N (0"-3")	MS	Solid	1/3/14	1	124446	124446
600-85108-007	D-9N (0"-3")	MSD	Solid	1/3/14	1	124446	124446
600-85108-007	D-9N (0"-3")	MD	Solid	1/3/14	1	124446	124446
600-85108-008	D-8E (0"-"3")	INV	Solid	1/3/14	1	124446	124446
600-85108-009	DUP	FD of D-9N	Solid	1/3/14	1	124446	124446

DF – Dilution Factor

FD – Field Duplicate

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

TABLE 2

EXIDE UNDEVELOPED BUFFER PROPERTY INVESTIGATION

GRID RESAMPLING – JANUARY 2014

FIELD DUPLICATE RESULTS

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	3x MQL	Pass
DUP	D-9N (0"-3")	1/3/14	6010B	Cadmium	1.92	b	mg/Kg	1.92	b	mg/Kg	0	NA	0.981	y
DUP	D-9N (0"-3")	1/3/14	6010B	Lead	321		mg/Kg	319		mg/Kg	0.63	NA	1.962	y

Note: The RPD test (≤50%) applies if both results are greater than 5x MQL. Otherwise, the absolute difference test (≤ 3x MQL) applies.

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-14-12

TestAmerica Laboratories, Inc. - Houston

Expiration Date: 10/31/2014

6310 Rothway Drive
Houston, TX 77040-5056

Issue Date: 1/6/2014

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Solid & Chemical Materials***

Method EPA 1010

Analyte	AB	Analyte ID	Method ID
Ignitability	TX	1780	10116606

Method EPA 1311

Analyte	AB	Analyte ID	Method ID
TCLP	TX	849	10118806

Method EPA 1312

Analyte	AB	Analyte ID	Method ID
SPLP	TX	850	10119003

Method EPA 300.0

Analyte	AB	Analyte ID	Method ID
Bromide	TX	1540	10053006
Chloride	TX	1575	10053006
Fluoride	TX	1730	10053006
Nitrate as N	TX	1810	10053006
Nitrate-nitrite	TX	1820	10053006
Nitrite as N	TX	1840	10053006
Orthophosphate as P	TX	1870	10053006
Sulfate	TX	2000	10053006

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate-nitrite	TX	1820	10067604

Method EPA 365.2

Analyte	AB	Analyte ID	Method ID
Phosphorus	TX	1910	10070403

Method EPA 6010

Analyte	AB	Analyte ID	Method ID
Aluminum	TX	1000	10155609

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-14-12

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Matrix: ***Solid & Chemical Materials***

Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 7471

Analyte	**AB**	**Analyte ID**	**Method ID**
Mercury	TX	1095	10166208

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-85108-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec
Revision: 2

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Eric Pastor

Authorized for release by:
1/23/2014 4:11:16 PM
Sophia Shah, Project Management Assistant I
sophia.shah@testamericainc.com

Designee for

Sachin Kudchadkar, Senior Project Manager
(713)690-4444
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Houston job number 600-85108-1 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified compounds (TICs).
- ☐ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☐ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☑ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Sophia Shah		1/21/2014
Name (printed)	Signature	Date

Project Management Assistant
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/16/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85108-1
Reviewer Name:	Sachin G Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?			X		
		Were surrogate percent recoveries in all samples within the laboratory QC limits?			X		
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				R05D
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/16/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85108-1
Reviewer Name:	Sachin G Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?			X		
		Were ion abundance data within the method-required QC limits?			X		
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?			X		
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?				X	S09A
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/16/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85108-1
Reviewer Name:	Sachin G Kudchadkar		

ER #[1]	Description
R05D	Method 6010B: The method blank for batch 124446 contained Cadmium above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.
S09A	Method 6010B: The laboratory selected a sample from another group to perform as the PDS and SD.

2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Detection Check Standard

Matrix:	Soil
Method:	6010B
Preparation:	3050
Date Analyzed:	12/30/2013
Date Prepared:	12/27/2013
Instrument:	Thermo 6500
TALS Batches:	123949, 123775p
Prep/Reagent Factor =	50
Units:	mg/kg

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.299654	0.5	0.36	25
Antimony	0.231553	0.45	0.5	2.5
Arsenic	0.217923	0.5	0.53	1
Barium	0.011322	0.03	0.04	1
Beryllium	0.014513	0.02	0.015	0.25
Boron	0.385535	0.6	0.56	20
Cadmium	0.025642	0.05	0.05	0.25
Calcium	0.86399	1.5	2.185	100
Chromium	0.050606	0.1	0.135	0.5
Cobalt	0.067622	0.1	0.09	0.5
Copper	0.173703	0.5	0.64	0.5
Iron	2.534007	4	3.76	20
Lead	0.104832	0.2	0.215	0.5
Selenium	0.258884	0.5	0.465	2
Manganese	0.038111	0.05	0.085	1.5
Molybdenum	0.136448	0.35	0.38	0.5
Nickel	0.116599	0.15	0.2	1
Silver	0.118848	0.2	0.15	0.5
Sodium	0.885548	2.4	3.135	100
Thallium	0.276988	0.7	0.73	1.5
Tin	0.08729	0.15	0.19	1
Titanium	0.014529	0.03	0.01	0.5
Vanadium	0.079068	0.15	0.125	0.5
Zinc	0.108432	0.2	0.305	1.5

Job ID: 600-85108-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-85108-1

Comments
The report was revised to update the TRRP list.

Receipt
The samples were received on 1/7/2014 1:18 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 7.6° C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-85108-1	M-14 (3"-6)	Solid	01/03/14 08:35	01/07/14 13:18
600-85108-2	N-11E (0"-3)	Solid	01/03/14 08:50	01/07/14 13:18
600-85108-3	M-17W (0"-3)	Solid	01/03/14 09:05	01/07/14 13:18
600-85108-4	L-17N (0"-3)	Solid	01/03/14 09:20	01/07/14 13:18
600-85108-5	G-16S (0"-3)	Solid	01/03/14 09:35	01/07/14 13:18
600-85108-6	E-9 (6"-12")	Solid	01/03/14 09:55	01/07/14 13:18
600-85108-7	D-9N (0"-3")	Solid	01/03/14 10:10	01/07/14 13:18
600-85108-8	D-8E (0"-3")	Solid	01/03/14 10:20	01/07/14 13:18
600-85108-9	DUP	Solid	01/03/14 00:00	01/07/14 13:18

Client Sample ID: M-14 (3"-6)

Lab Sample ID: 600-85108-1

Date Collected: 01/03/14 08:35
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 76.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.65	b	0.322	0.0330	mg/Kg	☼	01/07/14 15:32	01/10/14 10:31	1
Lead	393		0.644	0.135	mg/Kg	☼	01/07/14 15:32	01/10/14 10:31	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	77		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: N-11E (0"-3)

Lab Sample ID: 600-85108-2

Date Collected: 01/03/14 08:50
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 86.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.33	b	0.283	0.0290	mg/Kg	☼	01/07/14 15:32	01/10/14 10:34	1
Lead	177		0.566	0.119	mg/Kg	☼	01/07/14 15:32	01/10/14 10:34	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	13		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	87		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: M-17W (0"-3)

Lab Sample ID: 600-85108-3

Date Collected: 01/03/14 09:05
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 77.3

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.46	b	0.300	0.0307	mg/Kg	☼	01/07/14 15:32	01/10/14 10:36	1
Lead	177		0.599	0.126	mg/Kg	☼	01/07/14 15:32	01/10/14 10:36	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	77		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: L-17N (0"-3)

Lab Sample ID: 600-85108-4

Date Collected: 01/03/14 09:20
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 76.5

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.85	b	0.327	0.0335	mg/Kg	☼	01/07/14 15:32	01/10/14 10:46	1
Lead	175		0.654	0.137	mg/Kg	☼	01/07/14 15:32	01/10/14 10:46	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	23		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	77		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: G-16S (0"-3")

Lab Sample ID: 600-85108-5
Date Collected: 01/03/14 09:35
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 80.9

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.05	b	0.289	0.0296	mg/Kg	☼	01/07/14 15:32	01/10/14 10:48	1
Lead	177		0.578	0.121	mg/Kg	☼	01/07/14 15:32	01/10/14 10:48	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	19		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	81		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: E-9 (6"-12")

Lab Sample ID: 600-85108-6
Date Collected: 01/03/14 09:55
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 78.7

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.490	b	0.302	0.0310	mg/Kg	☼	01/07/14 15:32	01/10/14 10:51	1
Lead	41.3		0.605	0.127	mg/Kg	☼	01/07/14 15:32	01/10/14 10:51	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	21		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	79		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: D-9N (0"-3")

Lab Sample ID: 600-85108-7
Date Collected: 01/03/14 10:10
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 72.8

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.92	b	0.327	0.0336	mg/Kg	☼	01/07/14 15:32	01/10/14 10:53	1
Lead	319		0.654	0.137	mg/Kg	☼	01/07/14 15:32	01/10/14 10:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	27		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	73		1.0	1.0	%			01/07/14 15:12	1

Client Sample ID: D-8E (0"-3")

Lab Sample ID: 600-85108-8
Date Collected: 01/03/14 10:20
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 74.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	2.05	b	0.318	0.0326	mg/Kg	☼	01/07/14 15:32	01/10/14 11:03	1
Lead	339		0.635	0.133	mg/Kg	☼	01/07/14 15:32	01/10/14 11:03	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	74		1.0	1.0	%			01/07/14 15:12	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Client Sample ID: DUP
Date Collected: 01/03/14 00:00
Date Received: 01/07/14 13:18

Lab Sample ID: 600-85108-9
Matrix: Solid
Percent Solids: 74.2

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	1.92	b	0.312	0.0320	mg/Kg	☼	01/07/14 15:32	01/10/14 11:05	1
Lead	321		0.624	0.131	mg/Kg	☼	01/07/14 15:32	01/10/14 11:05	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	26		1.0	1.0	%			01/07/14 15:12	1
Percent Solids	74		1.0	1.0	%			01/07/14 15:12	1

Qualifiers

Metals

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-124446/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124683 — **Prep Batch: 124446**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.03000	J	0.250	0.0256	mg/Kg		01/07/14 15:32	01/10/14 10:27	1
Lead	0.105	U	0.500	0.105	mg/Kg		01/07/14 15:32	01/10/14 10:27	1

Lab Sample ID: LCSSRM 600-124446/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124683 — **Prep Batch: 124446**

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	182	188.0		mg/Kg		103.3	81.9 - 118.1
Lead	115	112.1		mg/Kg		97.5	81.8 - 119.1

Lab Sample ID: 600-85108-7 MS — **Client Sample ID: D-9N (0"-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124683 — **Prep Batch: 124446**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Cadmium	1.92	b	32.2	31.82		mg/Kg	☼	93	75 - 125
Lead	319		64.5	398.8	4	mg/Kg	☼	123	75 - 125

Lab Sample ID: 600-85108-7 MSD — **Client Sample ID: D-9N (0"-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124683 — **Prep Batch: 124446**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	1.92	b	32.7	32.60		mg/Kg	☼	94	75 - 125	2	20
Lead	319		65.5	390.6	4	mg/Kg	☼	109	75 - 125	2	20

Lab Sample ID: 600-85108-7 DU — **Client Sample ID: D-9N (0"-3")**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124683 — **Prep Batch: 124446**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Cadmium	1.92	b	1.881		mg/Kg	☼	2	20
Lead	319		317.4		mg/Kg	☼	0.6	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-85108-1 DU — **Client Sample ID: M-14 (3"-6)**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 124441

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	23		22		%		5	20
Percent Solids	77		78		%		2	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Cadmium	0.250	0.0256	mg/Kg	6010B
Lead	0.500	0.105	mg/Kg	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

Metals

Prep Batch: 124446

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85108-1	M-14 (3"-6)	Total/NA	Solid	3050B	
600-85108-2	N-11E (0"-3)	Total/NA	Solid	3050B	
600-85108-3	M-17W (0"-3)	Total/NA	Solid	3050B	
600-85108-4	L-17N (0"-3)	Total/NA	Solid	3050B	
600-85108-5	G-16S (0"-3)	Total/NA	Solid	3050B	
600-85108-6	E-9 (6"-12")	Total/NA	Solid	3050B	
600-85108-7	D-9N (0"-3")	Total/NA	Solid	3050B	
600-85108-7 DU	D-9N (0"-3")	Total/NA	Solid	3050B	
600-85108-7 MS	D-9N (0"-3")	Total/NA	Solid	3050B	
600-85108-7 MSD	D-9N (0"-3")	Total/NA	Solid	3050B	
600-85108-8	D-8E (0"-3")	Total/NA	Solid	3050B	
600-85108-9	DUP	Total/NA	Solid	3050B	
LCSSRM 600-124446/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-124446/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 124683

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85108-1	M-14 (3"-6)	Total/NA	Solid	6010B	124446
600-85108-2	N-11E (0"-3)	Total/NA	Solid	6010B	124446
600-85108-3	M-17W (0"-3)	Total/NA	Solid	6010B	124446
600-85108-4	L-17N (0"-3)	Total/NA	Solid	6010B	124446
600-85108-5	G-16S (0"-3)	Total/NA	Solid	6010B	124446
600-85108-6	E-9 (6"-12")	Total/NA	Solid	6010B	124446
600-85108-7	D-9N (0"-3")	Total/NA	Solid	6010B	124446
600-85108-7 DU	D-9N (0"-3")	Total/NA	Solid	6010B	124446
600-85108-7 MS	D-9N (0"-3")	Total/NA	Solid	6010B	124446
600-85108-7 MSD	D-9N (0"-3")	Total/NA	Solid	6010B	124446
600-85108-8	D-8E (0"-3")	Total/NA	Solid	6010B	124446
600-85108-9	DUP	Total/NA	Solid	6010B	124446
LCSSRM 600-124446/2-A	Lab Control Sample	Total/NA	Solid	6010B	124446
MB 600-124446/1-A	Method Blank	Total/NA	Solid	6010B	124446

General Chemistry

Analysis Batch: 124441

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85108-1	M-14 (3"-6)	Total/NA	Solid	Moisture	
600-85108-1 DU	M-14 (3"-6)	Total/NA	Solid	Moisture	
600-85108-2	N-11E (0"-3)	Total/NA	Solid	Moisture	
600-85108-3	M-17W (0"-3)	Total/NA	Solid	Moisture	
600-85108-4	L-17N (0"-3)	Total/NA	Solid	Moisture	
600-85108-5	G-16S (0"-3)	Total/NA	Solid	Moisture	
600-85108-6	E-9 (6"-12")	Total/NA	Solid	Moisture	
600-85108-7	D-9N (0"-3")	Total/NA	Solid	Moisture	
600-85108-7 MS	D-9N (0"-3")	Total/NA	Solid	Moisture	
600-85108-7 MSD	D-9N (0"-3")	Total/NA	Solid	Moisture	
600-85108-8	D-8E (0"-3")	Total/NA	Solid	Moisture	
600-85108-9	DUP	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Client Sample ID: M-14 (3"-6)

Lab Sample ID: 600-85108-1

Date Collected: 01/03/14 08:35
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 76.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:31	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: N-11E (0"-3)

Lab Sample ID: 600-85108-2

Date Collected: 01/03/14 08:50
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 86.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:34	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: M-17W (0"-3)

Lab Sample ID: 600-85108-3

Date Collected: 01/03/14 09:05
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 77.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:36	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: L-17N (0"-3)

Lab Sample ID: 600-85108-4

Date Collected: 01/03/14 09:20
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 76.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:46	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: G-16S (0"-3)

Lab Sample ID: 600-85108-5

Date Collected: 01/03/14 09:35
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:48	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85108-1

Client Sample ID: E-9 (6"-12")

Lab Sample ID: 600-85108-6

Date Collected: 01/03/14 09:55
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 78.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:51	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: D-9N (0"-3")

Lab Sample ID: 600-85108-7

Date Collected: 01/03/14 10:10
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 72.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 10:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: D-8E (0"-3")

Lab Sample ID: 600-85108-8

Date Collected: 01/03/14 10:20
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 11:03	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Client Sample ID: DUP

Lab Sample ID: 600-85108-9

Date Collected: 01/03/14 00:00
Matrix: Solid
Date Received: 01/07/14 13:18
Percent Solids: 74.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			124446	01/07/14 15:32	NER	TAL HOU
Total/NA	Analysis	6010B		1	124683	01/10/14 11:05	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	124441	01/07/14 15:12	AYS	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-85108-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-14
Louisiana	NELAP	6	30643	06-30-14
Oklahoma	State Program	6	1309	08-31-14
Texas	NELAP	6	T104704223	10-31-14
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	TX00083	10-31-14

CHAIN-OF-CUSTODY RECORD AND RE

PASTOR, BEHLING & WHEELE

600-85108 Chain of Custody

1475

COC No.

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2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1824 PROJECT NAME: Exide VCP Parcel PAGE: 1 OF: 2

SAMPLER (Signature): Stan Berndt PROJECT MANAGER: DATE: 1/3/14

METHOD OF SHIPMENT: CARRIER/WAYBILL NO.: DESTINATION:

SAMPLES															ANALYSIS REQUEST							
		Sample Collection			Preservation					FILTRATION*	Containers			Constituents/Methods					Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD			VOLUME (ml/oz)	TYPE*	NO.	Pb	Cd				HOLD	RUSH	STANDARD	
	M-14 (3"-6")	1/03/14	0835	SO				X			4	G	U	X	X						X	
	N-11E (0"-3")	1/03/14	0850	SO				X			4	G	U	X	X						X	
	M-17N (0"-3")	1/3/14	0905	SO				X			4	G	U	X	X						X	
	I-17N (0"-3")	1/3/14	0920	SO				X			4	G	U	X	X						X	
	G-16S (0"-3")	1/3/14	0935	SO				X			4	G	U	X	X						X	
	E-9 (6"-12")	1/3/14	0955	SO				X			4	G	U	X	X						X	
	D-9N (0"-3")	1/3/14	1010	SO				X			4	G	U	X	X						X	MS/MSD
	D-8E (0"-3")	1/3/14	1020	SO				X			4	G	U	X	X						X	
											TOTAL NUMBER OF CONTAINERS			LABORATORY COMMENTS/CONDITION OF SAMPLES								Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
Sara Taube	Sara Taube	PBW	1/6/2014	11:30			
			1/7/2014	1318	[signature]	S. Lopez	LABORATORY TAL

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

1476

PASTOR, BEHLING & WHEELER, LLC

COC No.

☑ Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1624 PROJECT NAME: Exide VCP Parcel PAGE: 2 OF: 2

SAMPLER (Signature): Steve Barnett PROJECT MANAGER: DATE: 1/3/14

METHOD OF SHIPMENT: CARRIER/WAYBILL NO.: DESTINATION:

SAMPLES															ANALYSIS REQUEST							
		Sample Collection			Preservation						Containers				Constituents/Methods					Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD		FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.		Pb	Cl				HOLD	RUSH	STANDARD	
	DUP	1/3/14		SO				X		U	4	G			X	X						X	

TOTAL NUMBER OF CONTAINERS

LABORATORY COMMENTS/CONDITION OF SAMPLES

Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
Sara Taube	Sara Taube	PBW	1/6/2014	11:30			
			1/7/2014	1310		S. Lopez	LABORATORY TA

*KEY: Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other / Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-85108-1

Login Number: 85108

List Source: TestAmerica Houston

List Number: 1

Creator: Lopez, Sandro R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	False	7.6
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

SITE:	Exide Undeveloped Buffer Property VCP Investigation Frisco, Texas	
CLIENT:	Pastor, Behling & Wheeler, LLC (PBW) Round Rock, Texas	
EVENT:	Groundwater Sampling – January 2014	
INTENDED USE:	Evaluate potential impacts to site groundwater	
LABORATORY:	TestAmerica – Houston, TX TLAP Certification T104704223 Work Order: 600-85736-1	
TESTS/ METHODS:	Total Arsenic	SW846 3010A/6010B
	Dissolved Arsenic	SW846 3010A/6010B
	Volatile Organic Compounds (VOC)	SW846 8260B
	Methyl tert-Butyl Ether (MTBE)	SW846 8260B
	Total Petroleum Hydrocarbons (TPH)	TX 1005
SAMPLES:	6 groundwater samples, 1 field duplicate, 1 field MS/MSD pair, 1 trip blank (see Table 1 for a complete listing)	

QAA completed a third-party review of the above chemical analysis data for conformance with the requirements of the Texas Risk Reduction Program (TRRP) guidance document, *Review and Reporting of COC Concentration Data* (RGG-366/TRRP-13 Revised May 2010) and for adherence to project objectives. The results of the review are discussed in this data usability summary (DUS).

All samples collected during the event were reviewed. QAA completed the review using the following laboratory and project submittals:

- Laboratory reportable data as defined in TRRP-13;
- Laboratory review checklists (LRCs) with the associated exception reports;
- Laboratory electronic data deliverable (EDD); and
- Project field notes from the sampling event.

The review of the reportable data included the quality control (QC) parameters listed below, as required per TRRP-13, using the applicable analytical method and project requirements:

- Data Completeness
- Chain-of-Custody Procedures
- Sample Condition - Holding Time, Preservation, and Containers
- Field Procedures
- Results Reporting Procedures
- Laboratory and Field QC Blanks
- Laboratory Control Spike and Matrix Spike Recoveries
- Surrogate Recoveries
- Laboratory and Field Duplicate Precision

Additionally, QAA used the LRCs to evaluate the following QC parameters:

- Method Quantitation Limits (MQLs)
- Method Detection Limits (MDLs)
- Instrument Tuning, Calibration, and Performance
- Internal Standards

No project specific criteria have been specified for this site and thus the reviewer selected appropriate criteria as follows:

- Inorganics: 70-130% spike recovery (and not less than 30% or data is rejected) and ±MQL difference or 30% RPD (for laboratory duplicates) as recommended in TRRP-13
- Organics: 60-140% spike recovery (and not less than 10% or data is rejected) and ±MQL difference or 40% RPD (for laboratory duplicates) as recommended in TRRP-13
- Groundwater Samples: ± 2x MQL difference (if either result is less than 5x MQL) or 30% RPD (for field duplicates) as recommended in TRRP-13

If an item was found outside of the review criteria, the reviewer applied a data qualifier (DQ) and bias code to the results for the affected samples in accordance with TRRP-13. A list of all qualified results and definitions of the qualifier and bias codes are given in Table 2.

GLOSSARY OF TERMS

The following definitions apply for terms related to analyte reporting limits:

MDL (Method Detection Limit) – the minimum concentration of an analyte that the laboratory can measure and report with 99% confidence that the analyte concentration is greater than zero. The MDL is determined by the laboratory for each analyte in a given reagent matrix (water or soil) generally using the procedures specified in 40 CFR Part 136, Appendix B. It is a measure of the concentration an instrument can detect or 'see' in a given reagent matrix. TRRP-13 requires that the laboratory routinely check the MDL for reasonableness.

SDL (Sample Detection Limit) – the MDL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and taking into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can detect or 'see' in a given sample. For TRRP, non-detects are reported using the SDL. This term was originally called the SQL (Sample Quantitation Limit) before the TRRP rule revisions effective March 19, 2007.

Unadjusted MQL (Method Quantitation Limit) – the lowest non-zero concentration standard in the laboratory's initial calibration curve calculated using the normal aliquot sizes and final volumes prescribed in the analytical method. The unadjusted MQL is reported by the laboratory for each analyte in a given matrix (water or soil). It is a measure of the concentration an instrument can accurately measure in a typical sample. Per TRRP, the Unadjusted MQLs should be below the Levels of Required Performance (LORPs) for purposes of assessment as well as demonstration of conformance with critical Protective Concentration Levels (PCLs).

MQL – the unadjusted MQL adjusted to reflect sample-specific actions, such as dilution or use of smaller aliquot sizes than prescribed in the analytical method, and takes into account sample characteristics, sample preparation, and analytical adjustments including dry-weight adjustments. It is a measure of the concentration an instrument can accurately measure in a given sample. Analytes with concentrations above the SDL but below the MQL, though present in the sample, may not be accurately measured and are thus flagged as estimated (J).

LABORATORY CERTIFICATION

At the time the laboratory data were generated for this project, the laboratory was NELAC accredited under the Texas Laboratory Accreditation Program (TLAP) for the matrices, methods and parameters of analysis requested on the chain-of-custody form. A copy of the applicable pages of the laboratory's National Environmental Laboratory Accreditation Program (NELAP) certificate valid during the period in which the laboratory generated the data in this report is included in Attachment 1 to this DUS.

USABILITY SUMMARY

1. Usability of Unqualified Non-Detects – Non-detects are reported at the sample detection limit (SDL) as required per TRRP. Additionally, according to the LRC, an MDL study was performed for each analyte and the MDLs were checked for reasonableness. The levels of required performance (LORPs) have been established by PBW as the lower of the TRRP residential Tier 1 $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs for a 30-acre source area. As needed per TRRP, the Unadjusted MQL stated by the laboratory is at or below the LORP for each analyte, and thus the analytical methods are appropriate and the results can be used to demonstrate conformance with critical PCLs, with the exception of the TPH analytes. The PCLs for these analytes are particularly low. The laboratory used standard methodology (TX 1005) and achieved MQLs below those listed in the method. Additionally, the SDLs are below the PCLs for the TPH sample.
2. Usability of Qualified Data – There are no major QC deficiencies, and thus all data is usable as qualified for the intended use. As shown in Table 2, the reviewer applied a U-qualifier to the seven detects for arsenic due to the presence of this analyte in the associated laboratory blank and to the one detect for acetone due to the presence of this analyte in the trip blank. In each case, the analyte should be considered not detected at or above the reported concentration. Additionally, the two results with a laboratory J-flag (i.e., at a concentration between the SDL and MQL) should be considered estimates. The actual value is not expected to exceed the sample MQL.

QAA Reviewer:	Taryn G. Scholz	2/13/14
	(Name)	(Date)

QC PARAMETER	QC OUTCOME
Data Completeness	The laboratory data package contains all necessary data (i.e., the laboratory reportable data per TRRP-13) and the EDD contains all sample results in acceptable format. No revisions were required.
Chain-of-Custody	Proper sample custody procedures were used, which confirms that the integrity of the samples was maintained. Additionally, the information on the custody record is complete and agrees with that in the field notes and laboratory report. The reviewer also confirmed that all tests are reported as requested on the custody record and found no discrepancies.
Sample Condition	Samples were collected in appropriate containers, properly preserved in the field, and prepared and analyzed within the holding times as required in the analytical methods, which ensures that the samples were not affected by analyte degradation.
Field Procedures	Readings for temperature, pH, and specific conductivity were recorded in the field notes. Each well was purged until the well conditions stabilized (VCP-MW-8) or until dry (all remaining wells) and sampled the next day after recovery. Samples were collected into sterilized jars provided by the laboratory and then placed in a shipping cooler with ice for overnight delivery to the laboratory. The sample aliquots for dissolved metals were field-filtered using a 0.45-micron filter. No other filtration was performed. Only dedicated or disposable equipment was used. One field duplicate was collected with the six investigative samples and one trip blank was included in the shipping container with the samples.
Results Reporting Procedures	The hardcopy analytical results include a Result, MQL (adjusted), and SDL. The EDD includes the MDL, SDL (under the SQL column per previously used terminology) and the MQL, which is not adjusted for sample specific factors. Results are reported in µg/L for VOC and MTBE and in mg/L for the arsenic and TPH. Non-detects are reported using the SDL as specified per TRRP and detects between the SDL and MQL are reported with a laboratory J-flag. The concentration reported for detects between the SDL and MQL is below the calibration range and thus is considered estimated. None of the samples required dilution, and thus there are no non-detects with elevated reporting limits.
MQLs	The LORPs have been established by PBW as the as the lower of the TRRP residential Tier 1 $^{GW}GW_{Ing}$ and $^{Air}GW_{Inh\text{-}V}$ PCLs for a 30-acre source area. The Unadjusted MQLs are at or below the LORPs for the analytes, except as follows: Analyte / LORP / Laboratory MQL / Laboratory MDL TPH, TX1005, C6-C12 / 0.98 mg/L / 2 mg/L / 0.83 mg/L TPH, TX1005, >C12-C28 / 0.98 mg/L / 2 mg/L / 0.96 mg/L TPH, TX1005, >C28-C35 / 0.98 mg/L / 2 mg/L / 0.96 mg/L The laboratory MQLs are below those listed in the analytical methodology. Additionally, the laboratory MDLs are below the LORPs.
MDLs	According to the LRC, an MDL study was performed for each analyte, and the MDLs were checked for reasonableness and either adjusted or supported by the analysis of detectability check standards (DCSs) as required per TRRP-13. DCS results are included in the laboratory data package.

QC PARAMETER	QC OUTCOME

Laboratory Blanks

No analytes are reported above the detection limit in the laboratory blanks, which confirms that no contamination was introduced in the laboratory, except as follows:

Blank Type	QC Batch	Analyte	Blank Concentration
Method	125678	Arsenic	0.004750 J mg/L

Results for samples prepared in the same QC batch as a contaminated method blank may be biased high due to laboratory contamination. All of the metals samples were prepared in this QC batch and each is either non-detect or has arsenic detected at a concentration similar to that in the blank (i.e., within five times). Thus, the reviewer applied a U-flag to all detects for this analyte.

Field QC Blanks

No analytes are reported above the detection limit in the trip blank, which confirms that no VOC contamination was introduced during shipment, except as follows:

Blank Type	Collection Date	Analyte	Blank Concentration
Trip	1/16/2014	Acetone	3.43 J µg/L

Results for samples shipped with a contaminated trip blank may be biased high due to field contamination. The single VOC sample (VCP-MW-11) was shipped with this trip blank and has acetone detected at a concentration similar to that in the blank (i.e., within ten times for this common contaminant). Thus, the reviewer applied a U-flag to the detect for this analyte.

Laboratory Control Spike Recovery

The laboratory prepared one laboratory control spike (LCS) for each analytical batch and the spike solution contained all of the analytes except >C28-C35 TPH. The LCS recoveries (%R) are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on a sample free of matrix effects, except as follows:

Test	QC Batch	Analyte	LCS %R
VOC	126019	Chloroethane	143

The LCS recovery is above the limits indicating a potential high bias for detects. This analyte was not detected in the VOC sample, and thus the reviewer did not qualify the data.

Matrix Spike Recovery

The laboratory prepared one Matrix Spike (MS) and Matrix Spike Duplicate (MSD) for each analytical batch and the spike solution contained all of the analytes except >C28-C35 TPH. Recoveries are reported for MS/MSD prepared using a sample from the site, which included one for total arsenic, dissolved arsenic, and MTBE using sample VCP-MW-8. The MS/MSD recoveries (%R) are within the TRRP recommended limits, which indicates good accuracy for the preparation and analysis technique on the given sample matrix.

Surrogate Recovery

The laboratory spiked each VOC and MTBE sample with four surrogates and each TPH sample with one surrogate before preparation. Surrogate recoveries are within the laboratory limits, which indicates that the overall accuracy of the preparation and analysis technique is good for each particular sample.

Laboratory Duplicate Precision

The laboratory prepared one Matrix Spike Duplicate (MSD) for each analytical batch plus one matrix duplicate (MD) with each metals batch. RPDs are reported for all of the analytes for MSD/MD prepared using a sample from the site, which included one for total arsenic, dissolved arsenic, and MTBE using sample VCP-MW-8. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP recommended criteria, which indicates good precision for the preparation and analysis technique on the given sample matrix.

QC PARAMETER	QC OUTCOME
Field Duplicate Precision	One field duplicate was collected with the samples. Results are summarized in Table 3. The RPDs (or the absolute difference between results for concentrations <5xMQL and for non-detects) are within the TRRP criteria, which indicates good precision for the sampling, preparation, and analysis technique on the given sample matrix.
Instrument Tuning	According to the LRC, instrument tuning met method requirements for the samples, which indicates the GC/MS instruments were properly set up to identify analytes.
Instrument Calibration	According to the LRC, initial and continuing calibration data met method requirements for all reported results, which indicates the instruments were properly calibrated to measure analyte concentrations, except as follows: • For the total metals continuing calibration blanks (CCB) analyzed on 1/27/14 at 13:59 and 14:48, arsenic was detected above the MDL. (Laboratory corrective action was not required since the concentration was below the MQL.) All sample detects for arsenic are already qualified based on the laboratory method blank results, and thus the reviewer did not take further action.
Instrument Performance	According to the LRC, the serial dilution and ICP interference check samples met method requirements, which indicates that no significant matrix interference exists.
Internal Standards	According to the LRC, area counts and retention times were within method requirements.
Total to Partial Balance	For arsenic in sample VCP-MW-8, the dissolved metal concentration exceeds the total metal concentration. However, the difference does not exceed the inherent analytical method error (i.e., $\pm$ 2x MQL difference (if either result is less than 5x MQL) or 30% RPD) and thus no data qualification is required.

TABLE 1
EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION
GROUNDWATER SAMPLING – JANUARY 2014

SAMPLE SUMMARY

Lab ID	Field ID	Sample Type	Sample Matrix	Sample Date	DF	QC Batch				
						Total Arsenic	Dissolved Arsenic	VOC	MTBE	TPH
600-85736-001	VCP-MW-13	INV	Water	1/16/2014	1	125678	125678	NA	126019	NA
600-85736-002	VCP-MW-12	INV	Water	1/16/2014	1	125678	125678	NA	126019	NA
600-85736-003	VCP-MW-10	INV	Water	1/16/2014	1	125678	125678	NA	126019	NA
600-85736-004	VCP-MW-11	INV	Water	1/16/2014	1	NA	NA	126019	NA	125660
600-85736-005	VCP-MW-9	INV	Water	1/16/2014	1	125678	125678	NA	126019	NA
600-85736-006	VCP-MW-8	INV	Water	1/16/2014	1	125678	125678	NA	126078	NA
600-85736-006	VCP-MW-8	MS	Water	1/16/2014	1	125678	125678	NA	126078	NA
600-85736-006	VCP-MW-8	MSD	Water	1/16/2014	1	125678	125678	NA	126078	NA
600-85736-006	VCP-MW-8	MD	Water	1/16/2014	1	125678	125678	NA	NA	NA
600-85736-007	DUP	FD	Water	1/16/2014	1	125678	125678	NA	126019	NA
600-85736-008	TRIP BLANK	TB	Water	1/16/2014	1	NA	NA	126019	NA	NA

DF – Dilution Factor

FD – Field Duplicate (of VCP-MW-8)

INV – Investigative

MD – Matrix Duplicate

MS – Matrix Spike

MSD – Matrix Spike Duplicate

NA – Not Analyzed

TB – Trip Blank

TABLE 2

EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION

GROUNDWATER SAMPLING – JANUARY 2014

QUALIFIED SAMPLE RESULTS

Field ID	Lab ID	Sample Date	Analyte	Lab Result			DVQ	QC Comment
VCP-MW-8	600-85736-006	1/16/14	Arsenic	0.0034	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-8	600-85736-006	1/16/14	Arsenic, Dissolved	0.00401	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-9	600-85736-005	1/16/14	Arsenic	0.00673	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-9	600-85736-005	1/16/14	Arsenic, Dissolved	0.00329	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-10	600-85736-003	1/16/14	Arsenic	0.00654	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-10	600-85736-003	1/16/14	Arsenic, Dissolved	0.00367	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL
VCP-MW-11	600-85736-004	1/16/14	Acetone	2.09	J	ug/L	U	Trip blank contamination (3.43 J ug/L); Result is between SDL and MQL
VCP-MW-11	600-85736-004	1/16/14	Carbon disulfide	0.255	J	ug/L	J	Result is between SDL and MQL
VCP-MW-12	600-85736-002	1/16/14	Methyl tert-butyl ether	0.365	J	ug/L	J	Result is between SDL and MQL
VCP-MW-13	600-85736-001	1/16/14	Arsenic	0.00372	J b	mg/L	U	Method blank contamination (0.004750 J mg/L); Result is between SDL and MQL

J Estimated data; The analyte was detected and identified. The associated numerical value (i.e., the reported sample concentration) is the approximate concentration of the analyte in the sample.

R Rejected data; The data is unusable. Serious QC deficiencies make it impossible to verify the absence or presence of this analyte.

U Not detected; The analyte was not detected >5x (10x for common contaminants) the level in an associated blank and thus should be considered not detected above the level of the associated numerical value (i.e., the reported sample concentration).

UJ Estimated data; The analyte was not detected above the reported sample detection limit (SDL). The numerical value of the SDL is estimated and may be inaccurate.

H Bias in sample result is likely to be high

L Bias in sample result is likely to be low

NOTE: For multiple QC issues, the reviewer applied the most severe flag. (R >U >NJ >J >JL/JH for detects and R >UJ >UJL for non-detects)

TABLE 3

EXIDE UNDEVELOPED BUFFER PROPERTY VCP INVESTIGATION

GROUNDWATER SAMPLING – JANUARY 2014

FIELD DUPLICATE RESULTS

Field Duplicate	Original Sample	Sample Date	Method	Analyte	Field Duplicate Result			Original Sample Result			RPD	Absolute Difference	2x MQL	Pass
DUP	VCP-MW-8	1/16/14	6010B	Arsenic	0.00328	U	mg/L	0.0034	J b	mg/L	NA	0.00012	0.02	y
DUP	VCP-MW-8	1/16/14	6010B	Arsenic, Dissolved	0.00328	U	mg/L	0.00401	J b	mg/L	NA	0.00073	0.02	y
DUP	VCP-MW-8	1/16/14	8260B	Methyl tert-butyl ether	0.12	U	ug/L	0.12	U *	ug/L	NA	0	2	y

Note: The RPD test (≤30%) applies if both results are greater than 5x MQL. Otherwise, the absolute difference test (≤ 2x MQL) applies.

ATTACHMENT 1

APPLICABLE PAGES OF THE
LABORATORY ACCREDITATION CERTIFICATE

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-14-12

TestAmerica Laboratories, Inc. - Houston

Expiration Date: 10/31/2014

6310 Rothway Drive
Houston, TX 77040-5056

Issue Date: 1/6/2014

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Method EPA 350.1

Analyte	AB	Analyte ID	Method ID
Ammonia as N	TX	1515	10063408

Method EPA 351.2

Analyte	AB	Analyte ID	Method ID
Kjeldahl nitrogen - total (TKN)	TX	1795	10065200

Method EPA 353.2

Analyte	AB	Analyte ID	Method ID
Nitrate as N	TX	1810	10067400
Nitrate-nitrite	TX	1820	10067400

Method EPA 365.2

Analyte	AB	Analyte ID	Method ID
Orthophosphate as P	TX	1870	10070403
Phosphorus	TX	1910	10070403

Method EPA 377.1

Analyte	AB	Analyte ID	Method ID
Sulfite	TX	2015	10075000

Method EPA 405.1

Analyte	AB	Analyte ID	Method ID
Biochemical oxygen demand (BOD)	TX	1530	10075602
Carbonaceous BOD, CBOD	TX	1555	10075602

Method EPA 415.1

Analyte	AB	Analyte ID	Method ID
Total Organic Carbon (TOC)	TX	2040	10078407

Method EPA 420.4

Analyte	AB	Analyte ID	Method ID
Total phenolics	TX	1905	10080203

Method EPA 425.1

Analyte	AB	Analyte ID	Method ID
Surfactants - MBAS	TX	2025	10080601

Method EPA 6010

Analyte	AB	Analyte ID	Method ID

Texas Commission on Environmental Quality

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Houston, TX 77040-5056
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Matrix: ***Non-Potable Water***

Aluminum	TX	1000	10155609
Antimony	TX	1005	10155609
Arsenic	TX	1010	10155609
Barium	TX	1015	10155609
Beryllium	TX	1020	10155609
Boron	TX	1025	10155609
Cadmium	TX	1030	10155609
Calcium	TX	1035	10155609
Chromium	TX	1040	10155609
Cobalt	TX	1050	10155609
Copper	TX	1055	10155609
Iron	TX	1070	10155609
Lead	TX	1075	10155609
Magnesium	TX	1085	10155609
Manganese	TX	1090	10155609
Molybdenum	TX	1100	10155609
Nickel	TX	1105	10155609
Potassium	TX	1125	10155609
Selenium	TX	1140	10155609
Silica as SiO2	TX	1990	10155609
Silver	TX	1150	10155609
Sodium	TX	1155	10155609
Strontium	TX	1160	10155609
Thallium	TX	1165	10155609
Tin	TX	1175	10155609
Titanium	TX	1180	10155609
Vanadium	TX	1185	10155609
Zinc	TX	1190	10155609

Method EPA 602

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

Certificate: T104704223-14-12

TestAmerica Laboratories, Inc. - Houston
Expiration Date: 10/31/2014

6310 Rothway Drive
Houston, TX 77040-5056
Issue Date: 1/6/2014

These fields of accreditation supercede all previous fields. The Texas Commission on Environmental Quality urges customers to verify the laboratory's current accreditation status for particular methods and analyses.

Matrix: ***Non-Potable Water***

Toxaphene (Chlorinated camphene)	TX	8250	10178606

Method EPA 8082

Analyte	**AB**	**Analyte ID**	**Method ID**
Aroclor-1016 (PCB-1016)	TX	8880	10179007
Aroclor-1221 (PCB-1221)	TX	8885	10179007
Aroclor-1232 (PCB-1232)	TX	8890	10179007
Aroclor-1242 (PCB-1242)	TX	8895	10179007
Aroclor-1248 (PCB-1248)	TX	8900	10179007
Aroclor-1254 (PCB-1254)	TX	8905	10179007
Aroclor-1260 (PCB-1260)	TX	8910	10179007
PCBs (total)	TX	8870	10179007

Method EPA 8151

Analyte	**AB**	**Analyte ID**	**Method ID**
2,4,5-T	TX	8655	10183207
2,4-D	TX	8545	10183207
2,4-DB	TX	8560	10183207
Dalapon	TX	8555	10183207
Dicamba	TX	8595	10183207
Dichloroprop (Dichlorprop, Weedone)	TX	8605	10183207
Dinoseb (2-sec-butyl-4,6-dinitrophenol, DNBP)	TX	8620	10183207
MCPA	TX	7775	10183207
MCPP	TX	7780	10183207
Silvex (2,4,5-TP)	TX	8650	10183207

Method EPA 8260

Analyte	**AB**	**Analyte ID**	**Method ID**
1,1,1,2-Tetrachloroethane	TX	5105	10184802
1,1,1-Trichloroethane	TX	5160	10184802
1,1,2,2-Tetrachloroethane	TX	5110	10184802
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	TX	5195	10184802
1,1,2-Trichloroethane	TX	5165	10184802
1,1-Dichloroethane	TX	4630	10184802

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Matrix: *Non-Potable Water*

1,1-Dichloroethylene	TX	4640	10184802
1,1-Dichloropropene	TX	4670	10184802
1,2,3-Trichlorobenzene	TX	5150	10184802
1,2,3-Trichloropropane	TX	5180	10184802
1,2,4-Trichlorobenzene	TX	5155	10184802
1,2,4-Trimethylbenzene	TX	5210	10184802
1,2-Dibromo-3-chloropropane (DBCP)	TX	4570	10184802
1,2-Dibromoethane (EDB, Ethylene dibromide)	TX	4585	10184802
1,2-Dichlorobenzene	TX	4610	10184802
1,2-Dichloroethane (Ethylene dichloride)	TX	4635	10184802
1,2-Dichloropropane	TX	4655	10184802
1,3,5-Trimethylbenzene	TX	5215	10184802
1,3-Dichlorobenzene	TX	4615	10184802
1,3-Dichloropropane	TX	4660	10184802
1,4-Dichlorobenzene	TX	4620	10184802
1,4-Dioxane (1,4-Diethyleneoxide)	TX	4735	10184802
2,2-Dichloropropane	TX	4665	10184802
2-Butanone (Methyl ethyl ketone, MEK)	TX	4410	10184802
2-Chloroethyl vinyl ether	TX	4500	10184802
2-Chlorotoluene	TX	4535	10184802
2-Hexanone (MBK)	TX	4860	10184802
2-Nitropropane	TX	5020	10184802
2-Propanol	TX	5065	10184802
4-Chlorotoluene	TX	4540	10184802
4-Isopropyltoluene (p-Cymene)	TX	4915	10184802
4-Methyl-2-pentanone (MIBK)	TX	4995	10184802
Acetone (2-Propanone)	TX	4315	10184802
Acetonitrile	TX	4320	10184802
Acrolein (Propenal)	TX	4325	10184802
Acrylonitrile	TX	4340	10184802

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Matrix: ***Non-Potable Water***

Allyl chloride (3-Chloropropene)	TX	4355	10184802
Benzene	TX	4375	10184802
Benzyl chloride	TX	5635	10184802
Bromobenzene	TX	4385	10184802
Bromochloromethane	TX	4390	10184802
Bromodichloromethane	TX	4395	10184802
Bromoform	TX	4400	10184802
Carbon disulfide	TX	4450	10184802
Carbon tetrachloride	TX	4455	10184802
Chlorobenzene	TX	4475	10184802
Chlorodibromomethane	TX	4575	10184802
Chloroethane (Ethyl chloride)	TX	4485	10184802
Chloroform	TX	4505	10184802
Chloroprene (2-Chloro-1,3-butadiene)	TX	4525	10184802
cis-1,2-Dichloroethylene	TX	4645	10184802
cis-1,3-Dichloropropene	TX	4680	10184802
Dibromofluoromethane	TX	4590	10184802
Dibromomethane (Methylene bromide)	TX	4595	10184802
Dichlorodifluoromethane (Freon-12)	TX	4625	10184802
Diethyl ether	TX	4725	10184802
Epichlorohydrin (1-Chloro-2,3-epoxypropane)	TX	4745	10184802
Ethyl acetate	TX	4755	10184802
Ethyl methacrylate	TX	4810	10184802
Ethylbenzene	TX	4765	10184802
Ethylene oxide	TX	4795	10184802
Hexachlorobutadiene	TX	4835	10184802
Iodomethane (Methyl iodide)	TX	4870	10184802
Isobutyl alcohol (2-Methyl-1-propanol)	TX	4875	10184802
Isopropylbenzene (Cumene)	TX	4900	10184802
m+p-xylene	TX	5240	10184802

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Matrix: ***Non-Potable Water***

Methacrylonitrile	TX	4925	10184802
Methyl acrylate	TX	4945	10184802
Methyl bromide (Bromomethane)	TX	4950	10184802
Methyl chloride (Chloromethane)	TX	4960	10184802
Methyl methacrylate	TX	4990	10184802
Methyl tert-butyl ether (MTBE)	TX	5000	10184802
Methylcyclohexane	TX	4965	10184802
Methylene chloride (Dichloromethane)	TX	4975	10184802
Naphthalene	TX	5005	10184802
n-Butyl alcohol (1-Butanol, n-Butanol)	TX	4425	10184802
n-Butylbenzene	TX	4435	10184802
n-Propylbenzene	TX	5090	10184802
o-Xylene	TX	5250	10184802
Propionitrile (Ethyl cyanide)	TX	5080	10184802
sec-Butylbenzene	TX	4440	10184802
Styrene	TX	5100	10184802
tert-Butyl alcohol	TX	4420	10184802
tert-Butylbenzene	TX	4445	10184802
Tetrachloroethylene (Perchloroethylene)	TX	5115	10184802
Toluene	TX	5140	10184802
trans-1,2-Dichloroethylene	TX	4700	10184802
trans-1,3-Dichloropropylene	TX	4685	10184802
trans-1,4-Dichloro-2-butene	TX	4605	10184802
Trichloroethene (Trichloroethylene)	TX	5170	10184802
Trichlorofluoromethane (Fluorotrichloromethane, Freon 11)	TX	5175	10184802
Vinyl acetate	TX	5225	10184802
Vinyl chloride	TX	5235	10184802
Xylene (total)	TX	5260	10184802

Method EPA 8270

Analyte	**AB**	**Analyte ID**	**Method ID**

Texas Commission on Environmental Quality

NELAP - Recognized Laboratory Fields of Accreditation

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Issue Date: 1/6/2014

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Matrix: ***Non-Potable Water***

Method SM 5540 C			
Analyte	**AB**	**Analyte ID**	**Method ID**
Surfactants - MBAS	TX	2025	20144405

Method TCEQ 1005			
Analyte	**AB**	**Analyte ID**	**Method ID**
Total Petroleum Hydrocarbons (TPH)	TX	2050	90019208

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-85736-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

Authorized for release by:
1/30/2014 5:15:32 PM
Sophia Shah, Project Management Assistant I
sophia.shah@testamericainc.com

Designee for

Sachin Kudchadkar, Senior Project Manager
(713)690-4444
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Houston job number 600-85736-1 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified compounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☑ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Sophia Shah		1/29/2014
Name (printed)	Signature	Date

Project Management Assistant
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/29/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85736-1
Reviewer Name:	Sachin G Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?			X		
		Were % moisture (or solids) reported for all soil and sediment samples?			X		
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				R05D
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?	X				
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?	X				
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/29/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85736-1
Reviewer Name:	Sachin G Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?		X			S02D
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	1/29/2014
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-85736-1
Reviewer Name:	Sachin G Kudchadkar		

ER #[1]	Description
R05D	Method 6010B: The method blank for batch 125678 contained Arsenic above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.
S02D	Method 6010B: The CCBs for analytical batch 125972 anlyzed on 1/27/14 at 13:59 and 14:48 contained arsenic greater than the method detection limit (MDL). The samples were not reanalyzed because the results were less than the MQL. The data has been qualified and reported.

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
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5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Detection Check Standard

Matrix:	Water
Method:	200.7/6010
Preparation:	200.7P/3010
Date Analyzed:	12/31/2013
Date Prepared:	12/27/2013
Instrument:	Spectro01
TALs Batches:	124030, 123788p
Units:	mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Aluminum	0.006	0.02	0.028176	0.5
Antimony	0.0063	0.01	0.010016	0.05
Arsenic	0.0033	0.01	0.008253	0.01
Barium	0.0022	0.005	0.004098	0.02
Beryllium	0.00134	0.002	0.004019	0.005
Boron	0.0077	0.02	0.019829	0.2
Cadmium	0.00073	0.001	0.001	0.005
Calcium	0.022	0.05	0.060829	1
Chromium	0.0016	0.002	0.003835	0.01
Cobalt	0.00063	0.001	0.000965	0.01
Copper	0.0014	0.002	0.002451	0.01
Iron	0.087	0.1	0.002258	0.4
Lithium	0.0024	0.005	0.006107	0.2
Lead	0.0029	0.005	0.005478	0.01
Selenium	0.0042	0.01	0.009953	0.04
Manganese	0.00084	0.002	0.001988	0.01
Molybdenum	0.0027	0.005	0.005867	0.01
Nickel	0.00179	0.005	0.005669	0.01
Silver	0.0012	0.0025	0.001901	0.01
Sodium	0.02	0.05	0.088115	1
Strontium	0.0005	0.001	0.000897	0.005
Thallium	0.0078	0.02	0.021503	0.03
Tin	0.0028	0.005	0.005708	0.01
Titanium	0.0011	0.002	0.001905	0.01
Vanadium	0.0017	0.002	0.003578	0.01
Zinc	0.0022	0.005	0.004189	0.01

Matrix: Water
Method: 8260B_LL
Date Analyzed: 12/10/2013
TALS Batch: 122598
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
1,1,1,2-Tetrachloroethane	0.180	0.500	0.411	1
1,1,1-Trichloroethane	0.150	0.500	0.475	1
1,1,2,2-Tetrachloroethane	0.220	0.500	0.515	1
1,1,2-Trichloro-1,2,2-trifluoroethane	1.000	0.250	0.276	1
1,1,2-Trichloroethane	0.280	0.500	0.507	1
1,1-Dichloroethane	0.110	0.250	0.300	1
1,1-Dichloroethene	0.190	0.500	0.439	1
1,1-Dichloropropene	0.210	0.500	0.431	1
1,2,3-Trichlorobenzene	0.570	0.500	0.950	1
1,2,3-Trichloropropane	0.290	0.500	0.568	1
1,2,3-Trimethylbenzene	0.130	0.500	0.449	1
1,2,4-Trichlorobenzene	0.310	0.500	0.713	1
1,2,4-Trimethylbenzene	0.140	0.500	0.434	1
1,2-Dibromo-3-Chloropropane	0.810	0.500	0.665	1
1,2-Dichlorobenzene	0.100	0.250	0.349	1
1,2-Dichloroethane	0.140	0.500	0.500	1
1,2-Dichloroethene, Total	0.300	1.000	0.970	1
1,2-Dichloropropane	0.160	0.500	0.474	1
1,3,5-Trichlorobenzene	1.000	0.500	0.578	1
1,3,5-Trimethylbenzene	0.100	0.250	0.262	1
1,3-Dichlorobenzene	0.130	0.500	0.530	1
1,3-Dichloropropane	0.220	0.500	0.531	1
1,4-Dichlorobenzene	0.110	0.250	0.336	1
1,4-Dioxane	30.790	10.000	11.352	50
1-Chlorohexane	0.260	0.250	0.279	1
2,2-Dichloropropane	0.130	0.500	0.452	1
2-Butanone (MEK)	0.760	1.000	0.963	2
2-Chloro-1,3-butadiene	0.330	0.500	0.406	1
2-Chloroethyl vinyl ether	0.500	1.000	0.798	2
2-Chlorotoluene	0.130	0.500	0.439	1
2-Hexanone	0.350	1.000	0.789	2
3-Chloro-1-propene	0.240	0.500	0.425	2
4-Chlorotoluene	0.140	0.500	0.490	1
4-Isopropyltoluene	0.100	0.250	0.279	1
4-Methyl-2-pentanone (MIBK)	0.450	1.000	0.931	2
Acetone	0.990	1.000	1.452	5
Acrolein	1.630	2.500	2.455	5
Acrylonitrile	0.520	2.500	2.614	5
Benzene	0.080	0.250	0.304	1
Benzyl chloride	0.240	0.500	0.977	1
Bromobenzene	0.190	0.500	0.523	1
Bromoform	0.190	0.500	0.410	1
Bromomethane	0.250	0.500	0.468	2
Butadiene	0.210	0.500	0.496	1
Carbon disulfide	0.240	0.500	0.478	2
Carbon tetrachloride	0.150	0.500	0.378	1
Chlorobenzene	0.120	0.250	0.317	1
Chlorobromomethane	0.180	0.500	0.480	1

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: 8260B_LL
Date Analyzed: 12/10/2013
TALS Batch: 122598
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Chlorodibromomethane	0.150	0.500	0.403	1
Chloroethane	0.080	0.250	0.313	2
Chloroform	0.130	0.500	0.471	1
Chloromethane	0.180	0.500	0.516	2
cis-1,2-Dichloroethene	0.060	0.250	0.324	1
cis-1,3-Dichloropropene	0.180	0.500	0.371	1
Cyclohexane	0.160	0.500	0.410	1
Cyclohexanone	8.640	25.000	30.305	50
Dibromomethane	0.520	0.500	0.962	1
Dichlorobromomethane	0.160	0.500	0.403	1
Dichlorodifluoromethane	0.120	0.250	0.245	1
Dichlorofluoromethane	1.000	0.500	0.472	1
Ethyl acetate	0.410	1.000	1.448	2
Ethyl acrylate	0.340	0.500	0.640	2
Ethyl ether	0.150	0.500	0.480	1
Ethyl methacrylate	0.260	0.500	0.415	2
Ethylbenzene	0.110	0.250	0.006	1
Ethylene Dibromide	0.180	0.500	0.474	1
Hexachlorobutadiene	0.170	0.500	0.620	1
Hexane	0.160	0.500	0.404	1
Iodomethane	0.158	0.500	0.484	2
Isobutyl alcohol	3.320	12.500	13.826	10
Isooctane	0.330	0.500	1.097	1
Isopropyl alcohol	3.720	5.000	5.417	10
Isopropyl ether	0.090	0.250	0.271	1
Isopropylbenzene	0.180	0.500	0.427	1
Methyl acetate	0.550	1.250	1.371	2
Methyl methacrylate	0.330	1.000	0.835	1
Methyl tert-butyl ether	0.120	0.250	0.287	1
Methylcyclohexane	0.100	0.250	0.292	1
Methylene Chloride	0.150	0.500	0.488	5
m-Xylene & p-Xylene	0.170	0.500	0.442	1
Naphthalene	0.320	0.500	0.776	2
n-Butyl acetate	0.190	0.500	0.384	1
n-Butylbenzene	0.160	0.500	0.423	1
N-Propylbenzene	0.150	0.500	0.418	1
o-Xylene	0.120	0.250	0.265	1
Propionitrile	0.660	2.500	2.335	2
sec-Butylbenzene	0.120	0.250	0.266	1
Styrene	0.070	0.250	0.230	1
tert-Butylbenzene	0.080	0.250	0.290	1
Tetrachloroethene	0.130	0.500	0.598	1
Toluene	0.150	0.500	0.503	1
trans-1,2-Dichloroethene	0.090	0.250	0.287	1
trans-1,3-Dichloropropene	0.210	0.500	0.763	1
Trichloroethene	0.180	0.500	0.481	1
Trichlorofluoromethane	0.080	0.250	0.234	1
Trihalomethanes, Total	1.000	2.000	1.680	5

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: 8260B_LL
Date Analyzed: 12/10/2013
TALS Batch: 122598
Units: ug/L

Analyte	MDL	DCS Spike	Measured Result	MQL
Vinyl acetate	0.210	0.500	0.428	2
Vinyl chloride	0.110	0.250	0.293	2
Xylenes, Total	0.260	1.000	0.900	1

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Detection Check Standard

Matrix: Water
Method: TX1005
Preparation: Raymond
Date Analyzed: 10/7/2013
Date Prepared: 10/4/2013
Data File: FID-07.i\A100413B.b\B100413_031.d
Units: mg/L

Analyte	MDL	DCS Spike	Measured Result	MQL
C6-C12	0.83	1	0.633	10
>C12-C28	0.96	1	0.738	10
Total C6-C35	1.56	2	1.37	10

Job ID: 600-85736-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-85736-1

Comments
No additional comments.

Receipt
The samples were received on 1/17/2014 9:52 AM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 0.5º C.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
TX 1005	Texas - Total Petroleum Hydrocarbon (GC)	TCEQ	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TCEQ = Texas Commission of Environmental Quality

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-85736-1	VCP-MW-13	Water	01/16/14 09:15	01/17/14 09:52
600-85736-2	VCP-MW-12	Water	01/16/14 09:50	01/17/14 09:52
600-85736-3	VCP-MW-10	Water	01/16/14 11:00	01/17/14 09:52
600-85736-4	VCP-MW-11	Water	01/16/14 10:25	01/17/14 09:52
600-85736-5	VCP-MW-9	Water	01/16/14 11:36	01/17/14 09:52
600-85736-6	VCP-MW-8	Water	01/16/14 12:35	01/17/14 09:52
600-85736-7	DUP	Water	01/16/14 12:35	01/17/14 09:52
600-85736-8	TRIP BLANK	Water	01/16/14 12:35	01/17/14 09:52

Client Sample ID: VCP-MW-13
Lab Sample ID: 600-85736-1
Date Collected: 01/16/14 09:15
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*67 - 139*		*01/27/14 17:57*	*1*
Dibromofluoromethane	*108*		*62 - 130*		*01/27/14 17:57*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*01/27/14 17:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 134*		*01/27/14 17:57*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00372**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:05	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00328	U	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:28	1

Client Sample ID: VCP-MW-12
Lab Sample ID: 600-85736-2
Date Collected: 01/16/14 09:50
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**0.365**	**J**	1.00	0.120	ug/L			01/27/14 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*67 - 139*		*01/27/14 18:22*	*1*
Dibromofluoromethane	*110*		*62 - 130*		*01/27/14 18:22*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*01/27/14 18:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 134*		*01/27/14 18:22*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:07	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00328	U	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:30	1

Client Sample ID: VCP-MW-10
Lab Sample ID: 600-85736-3
Date Collected: 01/16/14 11:00
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	**35.6**		1.00	0.120	ug/L			01/27/14 18:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 139*		*01/27/14 18:48*	*1*
Dibromofluoromethane	*105*		*62 - 130*		*01/27/14 18:48*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/27/14 18:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*118*		*50 - 134*		*01/27/14 18:48*	*1*

Client Sample ID: VCP-MW-10

Lab Sample ID: 600-85736-3

Date Collected: 01/16/14 11:00

Matrix: Water

Date Received: 01/17/14 09:52

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00654**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:09	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00367**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:32	1

Client Sample ID: VCP-MW-11

Lab Sample ID: 600-85736-4

Date Collected: 01/16/14 10:25

Matrix: Water

Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**2.09**	**J**	5.00	0.990	ug/L			01/27/14 19:14	1
Benzene	0.0800	U	1.00	0.0800	ug/L			01/27/14 19:14	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			01/27/14 19:14	1
Bromoform	0.190	U	1.00	0.190	ug/L			01/27/14 19:14	1
Bromomethane	0.250	U	2.00	0.250	ug/L			01/27/14 19:14	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			01/27/14 19:14	1
Carbon disulfide	**0.255**	**J**	2.00	0.240	ug/L			01/27/14 19:14	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			01/27/14 19:14	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			01/27/14 19:14	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			01/27/14 19:14	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			01/27/14 19:14	1
Chloroform	0.130	U	1.00	0.130	ug/L			01/27/14 19:14	1
Chloromethane	0.180	U	2.00	0.180	ug/L			01/27/14 19:14	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			01/27/14 19:14	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			01/27/14 19:14	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			01/27/14 19:14	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			01/27/14 19:14	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			01/27/14 19:14	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			01/27/14 19:14	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			01/27/14 19:14	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			01/27/14 19:14	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			01/27/14 19:14	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			01/27/14 19:14	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			01/27/14 19:14	1
Styrene	0.0700	U	1.00	0.0700	ug/L			01/27/14 19:14	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			01/27/14 19:14	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			01/27/14 19:14	1
Toluene	0.150	U	1.00	0.150	ug/L			01/27/14 19:14	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			01/27/14 19:14	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			01/27/14 19:14	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			01/27/14 19:14	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			01/27/14 19:14	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			01/27/14 19:14	1
o-Xylene	0.120	U	1.00	0.120	ug/L			01/27/14 19:14	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			01/27/14 19:14	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			01/27/14 19:14	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			01/27/14 19:14	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			01/27/14 19:14	1

Client Sample ID: VCP-MW-11

Lab Sample ID: 600-85736-4

Date Collected: 01/16/14 10:25
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			01/27/14 19:14	1
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*70 - 130*		*01/27/14 19:14*	*1*
Dibromofluoromethane	*110*		*62 - 130*		*01/27/14 19:14*	*1*
4-Bromofluorobenzene	*94*		*67 - 139*		*01/27/14 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*126*		*50 - 134*		*01/27/14 19:14*	*1*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.812	U	1.96	0.812	mg/L		01/23/14 08:59	01/24/14 10:46	1
>C12-C28	0.939	U	1.96	0.939	mg/L		01/23/14 08:59	01/24/14 10:46	1
>C28-C35	0.939	U	1.96	0.939	mg/L		01/23/14 08:59	01/24/14 10:46	1
C6-C35	1.53	U	1.96	1.53	mg/L		01/23/14 08:59	01/24/14 10:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*105*		*70 - 130*	*01/23/14 08:59*	*01/24/14 10:46*	*1*

Client Sample ID: VCP-MW-9

Lab Sample ID: 600-85736-5

Date Collected: 01/16/14 11:36
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*67 - 139*		*01/27/14 19:40*	*1*
Dibromofluoromethane	*109*		*62 - 130*		*01/27/14 19:40*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*01/27/14 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 134*		*01/27/14 19:40*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00673**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:11	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00329**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:34	1

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-85736-6

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.120	U *	1.00	0.120	ug/L			01/28/14 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*67 - 139*		*01/28/14 14:20*	*1*
Dibromofluoromethane	*94*		*62 - 130*		*01/28/14 14:20*	*1*

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-85736-6

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*80*		*70 - 130*		*01/28/14 14:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*122*		*50 - 134*		*01/28/14 14:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.00340**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:13	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	**0.00401**	**J b**	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:36	1

Client Sample ID: DUP

Lab Sample ID: 600-85736-7

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*67 - 139*		*01/27/14 20:05*	*1*
Dibromofluoromethane	*105*		*62 - 130*		*01/27/14 20:05*	*1*
Toluene-d8 (Surr)	*94*		*70 - 130*		*01/27/14 20:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*123*		*50 - 134*		*01/27/14 20:05*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:26	1

Method: 6010B - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00328	U	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:44	1

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-85736-8

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**3.43**	**J**	5.00	0.990	ug/L			01/27/14 17:31	1
Benzene	0.0800	U	1.00	0.0800	ug/L			01/27/14 17:31	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			01/27/14 17:31	1
Bromoform	0.190	U	1.00	0.190	ug/L			01/27/14 17:31	1
Bromomethane	0.250	U	2.00	0.250	ug/L			01/27/14 17:31	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			01/27/14 17:31	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			01/27/14 17:31	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			01/27/14 17:31	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			01/27/14 17:31	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			01/27/14 17:31	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			01/27/14 17:31	1
Chloroform	0.130	U	1.00	0.130	ug/L			01/27/14 17:31	1

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Client Sample ID: TRIP BLANK
Date Collected: 01/16/14 12:35
Date Received: 01/17/14 09:52

Lab Sample ID: 600-85736-8
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloromethane	0.180	U	2.00	0.180	ug/L			01/27/14 17:31	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			01/27/14 17:31	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			01/27/14 17:31	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			01/27/14 17:31	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			01/27/14 17:31	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			01/27/14 17:31	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			01/27/14 17:31	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			01/27/14 17:31	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			01/27/14 17:31	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			01/27/14 17:31	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			01/27/14 17:31	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			01/27/14 17:31	1
Styrene	0.0700	U	1.00	0.0700	ug/L			01/27/14 17:31	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			01/27/14 17:31	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			01/27/14 17:31	1
Toluene	0.150	U	1.00	0.150	ug/L			01/27/14 17:31	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			01/27/14 17:31	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			01/27/14 17:31	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			01/27/14 17:31	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			01/27/14 17:31	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			01/27/14 17:31	1
o-Xylene	0.120	U	1.00	0.120	ug/L			01/27/14 17:31	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			01/27/14 17:31	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			01/27/14 17:31	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			01/27/14 17:31	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			01/27/14 17:31	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			01/27/14 17:31	1
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*70 - 130*		*01/27/14 17:31*	*1*
Dibromofluoromethane	*104*		*62 - 130*		*01/27/14 17:31*	*1*
4-Bromofluorobenzene	*92*		*67 - 139*		*01/27/14 17:31*	*1*
1,2-Dichloroethane-d4 (Surr)	*121*		*50 - 134*		*01/27/14 17:31*	*1*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
*	LCS or LCSD exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
b	The compound was found in the blank and sample
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
U	Analyte was not detected at or above the SDL.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	TOL	12DCE
Lab Sample ID	Client Sample ID	(67-139)	(62-130)	(70-130)	(50-134)
600-85736-1	VCP-MW-13	96	108	100	126
600-85736-2	VCP-MW-12	92	110	99	126
600-85736-3	VCP-MW-10	87	105	94	118
600-85736-4	VCP-MW-11	94	110	101	126
600-85736-5	VCP-MW-9	91	109	98	127
600-85736-6	VCP-MW-8	76	94	80	122
600-85736-6 MS	VCP-MW-8	78	88	73	110
600-85736-6 MSD	VCP-MW-8	80	93	77	117
600-85736-7	DUP	87	105	94	123
600-85736-8	TRIP BLANK	92	104	97	121
LCS 600-126019/3	Lab Control Sample	95	90	89	103
LCS 600-126078/3	Lab Control Sample	77	81	70	101
MB 600-126019/4	Method Blank	85	89	88	103
MB 600-126078/4	Method Blank	75	100	81	127

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)
12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)
		OTPH
Lab Sample ID	Client Sample ID	(70-130)
600-85736-4	VCP-MW-11	105
LCS 600-125660/2-A	Lab Control Sample	108
MB 600-125660/1-A	Method Blank	100

Surrogate Legend

OTPH = o-Terphenyl

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-126019/4
Matrix: Water
Analysis Batch: 126019

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	0.990	U	5.00	0.990	ug/L			01/27/14 11:30	1
Benzene	0.0800	U	1.00	0.0800	ug/L			01/27/14 11:30	1
Chlorobromomethane	0.180	U	1.00	0.180	ug/L			01/27/14 11:30	1
Bromoform	0.190	U	1.00	0.190	ug/L			01/27/14 11:30	1
Bromomethane	0.250	U	2.00	0.250	ug/L			01/27/14 11:30	1
2-Butanone (MEK)	0.760	U	2.00	0.760	ug/L			01/27/14 11:30	1
Carbon disulfide	0.240	U	2.00	0.240	ug/L			01/27/14 11:30	1
Carbon tetrachloride	0.150	U	1.00	0.150	ug/L			01/27/14 11:30	1
Dibromochloromethane	0.150	U	1.00	0.150	ug/L			01/27/14 11:30	1
Chlorobenzene	0.120	U	1.00	0.120	ug/L			01/27/14 11:30	1
Chloroethane	0.0800	U	2.00	0.0800	ug/L			01/27/14 11:30	1
Chloroform	0.130	U	1.00	0.130	ug/L			01/27/14 11:30	1
Chloromethane	0.180	U	2.00	0.180	ug/L			01/27/14 11:30	1
1,1-Dichloroethane	0.110	U	1.00	0.110	ug/L			01/27/14 11:30	1
1,2-Dichloroethane	0.140	U	1.00	0.140	ug/L			01/27/14 11:30	1
1,1-Dichloroethene	0.190	U	1.00	0.190	ug/L			01/27/14 11:30	1
trans-1,2-Dichloroethene	0.0900	U	1.00	0.0900	ug/L			01/27/14 11:30	1
1,2-Dichloropropane	0.160	U	1.00	0.160	ug/L			01/27/14 11:30	1
cis-1,3-Dichloropropene	0.180	U	1.00	0.180	ug/L			01/27/14 11:30	1
trans-1,3-Dichloropropene	0.210	U	1.00	0.210	ug/L			01/27/14 11:30	1
Ethylbenzene	0.110	U	1.00	0.110	ug/L			01/27/14 11:30	1
2-Hexanone	0.350	U	2.00	0.350	ug/L			01/27/14 11:30	1
Methylene Chloride	0.150	U	5.00	0.150	ug/L			01/27/14 11:30	1
4-Methyl-2-pentanone (MIBK)	0.450	U	2.00	0.450	ug/L			01/27/14 11:30	1
Styrene	0.0700	U	1.00	0.0700	ug/L			01/27/14 11:30	1
1,1,2,2-Tetrachloroethane	0.220	U	1.00	0.220	ug/L			01/27/14 11:30	1
Tetrachloroethene	0.130	U	1.00	0.130	ug/L			01/27/14 11:30	1
Toluene	0.150	U	1.00	0.150	ug/L			01/27/14 11:30	1
1,1,1-Trichloroethane	0.150	U	1.00	0.150	ug/L			01/27/14 11:30	1
1,1,2-Trichloroethane	0.280	U	1.00	0.280	ug/L			01/27/14 11:30	1
Trichloroethene	0.180	U	1.00	0.180	ug/L			01/27/14 11:30	1
Vinyl acetate	0.210	U	2.00	0.210	ug/L			01/27/14 11:30	1
Vinyl chloride	0.110	U	2.00	0.110	ug/L			01/27/14 11:30	1
o-Xylene	0.120	U	1.00	0.120	ug/L			01/27/14 11:30	1
m-Xylene & p-Xylene	0.170	U	1.00	0.170	ug/L			01/27/14 11:30	1
Xylenes, Total	0.260	U	1.00	0.260	ug/L			01/27/14 11:30	1
cis-1,2-Dichloroethene	0.0600	U	1.00	0.0600	ug/L			01/27/14 11:30	1
Bromodichloromethane	0.160	U	1.00	0.160	ug/L			01/27/14 11:30	1
1,2-Dichloroethene, Total	0.300	U	1.00	0.300	ug/L			01/27/14 11:30	1
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/27/14 11:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*88*		*70 - 130*		*01/27/14 11:30*	*1*
Dibromofluoromethane	*89*		*62 - 130*		*01/27/14 11:30*	*1*
4-Bromofluorobenzene	*85*		*67 - 139*		*01/27/14 11:30*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*		*01/27/14 11:30*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 600-126019/3
Matrix: Water
Analysis Batch: 126019

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	20.0	21.20		ug/L		106	18 - 144
Benzene	10.0	9.445		ug/L		94	70 - 130
Chlorobromomethane	10.0	9.108		ug/L		91	58 - 130
Bromoform	10.0	9.286		ug/L		93	54 - 133
Bromomethane	10.0	12.35		ug/L		124	25 - 150
2-Butanone (MEK)	20.0	18.06		ug/L		90	41 - 141
Carbon disulfide	10.0	8.390		ug/L		84	55 - 150
Carbon tetrachloride	10.0	10.59		ug/L		106	70 - 144
Dibromochloromethane	10.0	9.210		ug/L		92	62 - 130
Chlorobenzene	10.0	8.905		ug/L		89	69 - 130
Chloroethane	10.0	14.31		ug/L		143	47 - 150
Chloroform	10.0	10.56		ug/L		106	70 - 130
Chloromethane	10.0	11.83		ug/L		118	10 - 150
1,1-Dichloroethane	10.0	9.806		ug/L		98	70 - 140
1,2-Dichloroethane	10.0	10.79		ug/L		108	67 - 134
1,1-Dichloroethene	10.0	9.059		ug/L		91	58 - 148
trans-1,2-Dichloroethene	10.0	9.202		ug/L		92	68 - 131
1,2-Dichloropropane	10.0	10.30		ug/L		103	70 - 130
cis-1,3-Dichloropropene	10.0	9.840		ug/L		98	57 - 130
trans-1,3-Dichloropropene	10.0	9.361		ug/L		94	60 - 130
Ethylbenzene	10.0	8.887		ug/L		89	70 - 130
2-Hexanone	20.0	17.05		ug/L		85	56 - 130
Methylene Chloride	10.0	9.172		ug/L		92	55 - 147
4-Methyl-2-pentanone (MIBK)	20.0	19.04		ug/L		95	62 - 136
Styrene	10.0	8.943		ug/L		89	70 - 130
1,1,2,2-Tetrachloroethane	10.0	10.08		ug/L		101	58 - 133
Tetrachloroethene	10.0	8.422		ug/L		84	47 - 150
Toluene	10.0	9.308		ug/L		93	70 - 130
1,1,1-Trichloroethane	10.0	10.75		ug/L		107	70 - 136
1,1,2-Trichloroethane	10.0	9.253		ug/L		93	70 - 130
Trichloroethene	10.0	9.600		ug/L		96	70 - 130
Vinyl acetate	20.0	18.77		ug/L		94	10 - 150
Vinyl chloride	10.0	12.68		ug/L		127	33 - 150
o-Xylene	10.0	8.941		ug/L		89	70 - 130
m-Xylene & p-Xylene	10.0	8.816		ug/L		88	70 - 130
Xylenes, Total	20.0	17.76		ug/L		89	70 - 130
cis-1,2-Dichloroethene	10.0	9.712		ug/L		97	68 - 130
Bromodichloromethane	10.0	10.85		ug/L		108	70 - 131
1,2-Dichloroethene, Total	20.0	18.91		ug/L		95	69 - 130
Methyl tert-butyl ether	10.0	9.742		ug/L		97	56 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*89*		*70 - 130*
Dibromofluoromethane	*90*		*62 - 130*
4-Bromofluorobenzene	*95*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*103*		*50 - 134*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 600-126078/4
Matrix: Water
Analysis Batch: 126078

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.120	U	1.00	0.120	ug/L			01/28/14 12:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*81*		*70 - 130*		*01/28/14 12:50*	*1*
Dibromofluoromethane	*100*		*62 - 130*		*01/28/14 12:50*	*1*
4-Bromofluorobenzene	*75*		*67 - 139*		*01/28/14 12:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*127*		*50 - 134*		*01/28/14 12:50*	*1*

Lab Sample ID: LCS 600-126078/3
Matrix: Water
Analysis Batch: 126078

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			10.0	13.57	*	ug/L		136	56 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*70*		*70 - 130*
Dibromofluoromethane	*81*		*62 - 130*
4-Bromofluorobenzene	*77*		*67 - 139*
1,2-Dichloroethane-d4 (Surr)	*101*		*50 - 134*

Lab Sample ID: 600-85736-6 MS
Matrix: Water
Analysis Batch: 126078

Client Sample ID: VCP-MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether	0.120	U *	10.0	11.34		ug/L		113	56 - 132		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*78*		*67 - 139*
Dibromofluoromethane	*88*		*62 - 130*
Toluene-d8 (Surr)	*73*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*110*		*50 - 134*

Lab Sample ID: 600-85736-6 MSD
Matrix: Water
Analysis Batch: 126078

Client Sample ID: VCP-MW-8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	0.120	U *	10.0	12.19		ug/L		122	56 - 132	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*80*		*67 - 139*
Dibromofluoromethane	*93*		*62 - 130*
Toluene-d8 (Surr)	*77*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*117*		*50 - 134*

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Lab Sample ID: MB 600-125660/1-A
Matrix: Water
Analysis Batch: 125798

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125660

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
C6-C12	0.830	U	2.00	0.830	mg/L		01/23/14 08:59	01/24/14 09:14	1
>C12-C28	0.960	U	2.00	0.960	mg/L		01/23/14 08:59	01/24/14 09:14	1
>C28-C35	0.960	U	2.00	0.960	mg/L		01/23/14 08:59	01/24/14 09:14	1
C6-C35	1.56	U	2.00	1.56	mg/L		01/23/14 08:59	01/24/14 09:14	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*100*		*70 - 130*	*01/23/14 08:59*	*01/24/14 09:14*	*1*

Lab Sample ID: LCS 600-125660/2-A
Matrix: Water
Analysis Batch: 125798

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125660

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
C6-C12	33.3	30.75		mg/L		92	75 - 125
>C12-C28	33.3	27.74		mg/L		83	75 - 125
C6-C35	66.7	58.50		mg/L		88	75 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*108*		*70 - 130*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-125678/1-A
Matrix: Water
Analysis Batch: 125972

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 125678

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.004750	J	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:01	1
Arsenic, Dissolved	0.004750	J	0.0100	0.00328	mg/L		01/23/14 11:13	01/27/14 14:01	1

Lab Sample ID: LCS 600-125678/2-A
Matrix: Water
Analysis Batch: 125972

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 125678

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.034		mg/L		103	80 - 120
Arsenic, Dissolved	1.00	1.034		mg/L		103	80 - 120

Lab Sample ID: 600-85736-6 MS
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00340	J b	1.00	1.081		mg/L		108	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 600-85736-6 MSD
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.00340	J b	1.00	1.068		mg/L		106	75 - 125	1	20

Lab Sample ID: 600-85736-6 DU
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Total/NA
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.00340	J b	0.00328	U	mg/L		NC	20

Lab Sample ID: 600-85736-6 MS
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Dissolved
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic, Dissolved	0.00401	J b	1.00	1.025		mg/L		102	75 - 125

Lab Sample ID: 600-85736-6 MSD
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Dissolved
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.00401	J b	1.00	1.034		mg/L		103	75 - 125	1	20

Lab Sample ID: 600-85736-6 DU
Matrix: Water
Analysis Batch: 125972

Client Sample ID: VCP-MW-8
Prep Type: Dissolved
Prep Batch: 125678

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic, Dissolved	0.00401	J b	0.00328	U	mg/L		NC	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
1,1,1-Trichloroethane	1.00	0.150	ug/L	8260B
1,1,2,2-Tetrachloroethane	1.00	0.220	ug/L	8260B
1,1,2-Trichloroethane	1.00	0.280	ug/L	8260B
1,1-Dichloroethane	1.00	0.110	ug/L	8260B
1,1-Dichloroethene	1.00	0.190	ug/L	8260B
1,2-Dichloroethane	1.00	0.140	ug/L	8260B
1,2-Dichloroethene, Total	1.00	0.300	ug/L	8260B
1,2-Dichloropropane	1.00	0.160	ug/L	8260B
2-Butanone (MEK)	2.00	0.760	ug/L	8260B
2-Hexanone	2.00	0.350	ug/L	8260B
4-Methyl-2-pentanone (MIBK)	2.00	0.450	ug/L	8260B
Acetone	5.00	0.990	ug/L	8260B
Benzene	1.00	0.0800	ug/L	8260B
Bromodichloromethane	1.00	0.160	ug/L	8260B
Bromoform	1.00	0.190	ug/L	8260B
Bromomethane	2.00	0.250	ug/L	8260B
Carbon disulfide	2.00	0.240	ug/L	8260B
Carbon tetrachloride	1.00	0.150	ug/L	8260B
Chlorobenzene	1.00	0.120	ug/L	8260B
Chlorobromomethane	1.00	0.180	ug/L	8260B
Chloroethane	2.00	0.0800	ug/L	8260B
Chloroform	1.00	0.130	ug/L	8260B
Chloromethane	2.00	0.180	ug/L	8260B
cis-1,2-Dichloroethene	1.00	0.0600	ug/L	8260B
cis-1,3-Dichloropropene	1.00	0.180	ug/L	8260B
Dibromochloromethane	1.00	0.150	ug/L	8260B
Ethylbenzene	1.00	0.110	ug/L	8260B
Methyl tert-butyl ether	1.00	0.120	ug/L	8260B
Methylene Chloride	5.00	0.150	ug/L	8260B
m-Xylene & p-Xylene	1.00	0.170	ug/L	8260B
o-Xylene	1.00	0.120	ug/L	8260B
Styrene	1.00	0.0700	ug/L	8260B
Tetrachloroethene	1.00	0.130	ug/L	8260B
Toluene	1.00	0.150	ug/L	8260B
trans-1,2-Dichloroethene	1.00	0.0900	ug/L	8260B
trans-1,3-Dichloropropene	1.00	0.210	ug/L	8260B
Trichloroethene	1.00	0.180	ug/L	8260B
Vinyl acetate	2.00	0.210	ug/L	8260B
Vinyl chloride	2.00	0.110	ug/L	8260B
Xylenes, Total	1.00	0.260	ug/L	8260B

Method: TX 1005 - Texas - Total Petroleum Hydrocarbon (GC)

Analyte	MQL	MDL	Units	Method
>C12-C28	2.00	0.960	mg/L	TX 1005
>C28-C35	2.00	0.960	mg/L	TX 1005
C6-C12	2.00	0.830	mg/L	TX 1005
C6-C35	2.00	1.56	mg/L	TX 1005

Method: 6010B - Metals (ICP)

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Arsenic	0.0100	0.00328	mg/L	6010B

Method: 6010B - Metals (ICP) - Dissolved

Analyte	MQL	MDL	Units	Method
Arsenic, Dissolved	0.0100	0.00328	mg/L	6010B

GC/MS VOA

Analysis Batch: 126019

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-1	VCP-MW-13	Total/NA	Water	8260B	
600-85736-2	VCP-MW-12	Total/NA	Water	8260B	
600-85736-3	VCP-MW-10	Total/NA	Water	8260B	
600-85736-4	VCP-MW-11	Total/NA	Water	8260B	
600-85736-5	VCP-MW-9	Total/NA	Water	8260B	
600-85736-7	DUP	Total/NA	Water	8260B	
600-85736-8	TRIP BLANK	Total/NA	Water	8260B	
LCS 600-126019/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-126019/4	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 126078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-6	VCP-MW-8	Total/NA	Water	8260B	
600-85736-6 MS	VCP-MW-8	Total/NA	Water	8260B	
600-85736-6 MSD	VCP-MW-8	Total/NA	Water	8260B	
LCS 600-126078/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-126078/4	Method Blank	Total/NA	Water	8260B	

GC Semi VOA

Prep Batch: 125660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-4	VCP-MW-11	Total/NA	Water	TX_1005_W_Prep	
LCS 600-125660/2-A	Lab Control Sample	Total/NA	Water	TX_1005_W_Prep	
MB 600-125660/1-A	Method Blank	Total/NA	Water	TX_1005_W_Prep	

Analysis Batch: 125798

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-4	VCP-MW-11	Total/NA	Water	TX 1005	125660
LCS 600-125660/2-A	Lab Control Sample	Total/NA	Water	TX 1005	125660
MB 600-125660/1-A	Method Blank	Total/NA	Water	TX 1005	125660

Metals

Prep Batch: 125678

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-1	VCP-MW-13	Dissolved	Water	3010A	
600-85736-1	VCP-MW-13	Total/NA	Water	3010A	
600-85736-2	VCP-MW-12	Dissolved	Water	3010A	
600-85736-2	VCP-MW-12	Total/NA	Water	3010A	
600-85736-3	VCP-MW-10	Dissolved	Water	3010A	
600-85736-3	VCP-MW-10	Total/NA	Water	3010A	
600-85736-5	VCP-MW-9	Dissolved	Water	3010A	
600-85736-5	VCP-MW-9	Total/NA	Water	3010A	
600-85736-6	VCP-MW-8	Dissolved	Water	3010A	
600-85736-6	VCP-MW-8	Total/NA	Water	3010A	
600-85736-6 DU	VCP-MW-8	Dissolved	Water	3010A	
600-85736-6 DU	VCP-MW-8	Total/NA	Water	3010A	

Metals (Continued)

Prep Batch: 125678 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-6 MS	VCP-MW-8	Dissolved	Water	3010A	
600-85736-6 MS	VCP-MW-8	Total/NA	Water	3010A	
600-85736-6 MSD	VCP-MW-8	Dissolved	Water	3010A	
600-85736-6 MSD	VCP-MW-8	Total/NA	Water	3010A	
600-85736-7	DUP	Dissolved	Water	3010A	
600-85736-7	DUP	Total/NA	Water	3010A	
LCS 600-125678/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-125678/1-A	Method Blank	Total/NA	Water	3010A	

Analysis Batch: 125972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-85736-1	VCP-MW-13	Dissolved	Water	6010B	125678
600-85736-1	VCP-MW-13	Total/NA	Water	6010B	125678
600-85736-2	VCP-MW-12	Dissolved	Water	6010B	125678
600-85736-2	VCP-MW-12	Total/NA	Water	6010B	125678
600-85736-3	VCP-MW-10	Dissolved	Water	6010B	125678
600-85736-3	VCP-MW-10	Total/NA	Water	6010B	125678
600-85736-5	VCP-MW-9	Dissolved	Water	6010B	125678
600-85736-5	VCP-MW-9	Total/NA	Water	6010B	125678
600-85736-6	VCP-MW-8	Dissolved	Water	6010B	125678
600-85736-6	VCP-MW-8	Total/NA	Water	6010B	125678
600-85736-6 DU	VCP-MW-8	Dissolved	Water	6010B	125678
600-85736-6 DU	VCP-MW-8	Total/NA	Water	6010B	125678
600-85736-6 MS	VCP-MW-8	Dissolved	Water	6010B	125678
600-85736-6 MS	VCP-MW-8	Total/NA	Water	6010B	125678
600-85736-6 MSD	VCP-MW-8	Dissolved	Water	6010B	125678
600-85736-6 MSD	VCP-MW-8	Total/NA	Water	6010B	125678
600-85736-7	DUP	Dissolved	Water	6010B	125678
600-85736-7	DUP	Total/NA	Water	6010B	125678
LCS 600-125678/2-A	Lab Control Sample	Total/NA	Water	6010B	125678
MB 600-125678/1-A	Method Blank	Total/NA	Water	6010B	125678

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Client Sample ID: VCP-MW-13

Lab Sample ID: 600-85736-1

Date Collected: 01/16/14 09:15

Matrix: Water

Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 17:57	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:05	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:28	DCL	TAL HOU

Client Sample ID: VCP-MW-12

Lab Sample ID: 600-85736-2

Date Collected: 01/16/14 09:50

Matrix: Water

Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 18:22	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:07	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:30	DCL	TAL HOU

Client Sample ID: VCP-MW-10

Lab Sample ID: 600-85736-3

Date Collected: 01/16/14 11:00

Matrix: Water

Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 18:48	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:09	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:32	DCL	TAL HOU

Client Sample ID: VCP-MW-11

Lab Sample ID: 600-85736-4

Date Collected: 01/16/14 10:25

Matrix: Water

Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 19:14	WS1	TAL HOU
Total/NA	Prep	TX_1005_W_Prep			125660	01/23/14 08:59	NVP	TAL HOU
Total/NA	Analysis	TX 1005		1	125798	01/24/14 10:46	RJV	TAL HOU

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-85736-1

Client Sample ID: VCP-MW-9

Lab Sample ID: 600-85736-5

Date Collected: 01/16/14 11:36
Matrix: Water
Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 19:40	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:11	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:34	DCL	TAL HOU

Client Sample ID: VCP-MW-8

Lab Sample ID: 600-85736-6

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126078	01/28/14 14:20	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:13	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:36	DCL	TAL HOU

Client Sample ID: DUP

Lab Sample ID: 600-85736-7

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 20:05	WS1	TAL HOU
Total/NA	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Total/NA	Analysis	6010B		1	125972	01/27/14 14:26	DCL	TAL HOU
Dissolved	Prep	3010A			125678	01/23/14 11:13	NER	TAL HOU
Dissolved	Analysis	6010B		1	125972	01/27/14 14:44	DCL	TAL HOU

Client Sample ID: TRIP BLANK

Lab Sample ID: 600-85736-8

Date Collected: 01/16/14 12:35
Matrix: Water
Date Received: 01/17/14 09:52

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	126019	01/27/14 17:31	WS1	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-85736-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-14
Louisiana	NELAP	6	30643	06-30-14
Oklahoma	State Program	6	1309	08-31-14
Texas	NELAP	6	T104704223	10-31-14
USDA	Federal		P330-08-00217	04-01-14
Utah	NELAP	8	TX00083	10-31-14

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

Testamerica

600-85736 Chain of Custody

1/30/2014

Client Information	Sampler: Steve Berndt	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):
Client Contact: Mr. Tim Nickels	Phone:	E-Mail: sachin.kudchadkar@testamericainc.com	
Company: Pastor, Behling & Wheeler LLC			
Address: 2201 Double Creek Dr Suite 4004	Due Date Requested:		
City: Round Rock	TAT Requested (days): 10 WD TRRP		
State, Zip: TX, 78664			
Phone:	PO #: Purchase Order Requested		
Email: tim.nickels@pbwllc.com	WO #:		
Project Name: Exide Recycling Center, Frisco TX Projec	Project #: 60003846		
Site:	SSOW#:		

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B - As Only	8260B - MTBE Only	6010B As Only Dissolved	VOC	TPH	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	A					
VCP-mw-13	1-16-14	915	G	Water	N		X					1	
VCP-mw-13				Water	N			X				2	
VCP-mw-13				Water	N				X			1	Filtered
VCP-mw-12		950		Water	N		X					1	
VCP-mw-12				Water	N			X				2	
VCP-mw-12				Water	N				X			1	Filtered
VCP-mw-10		~~1025~~		Water	N		X					1	
VCP-mw-10				Water	N			X				2	
VCP-mw-10				Water	N				X			1	Filtered
VCP-mw-11		1025		Water	N					X		2	
VCP-mw-11		-"-		Water	N						X	2	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2SO3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - ph 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Steve Berndt	1-16-14 1605			1/16/14	
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Phone (713) 690-4444 Fax (713) 690-5646

Chain of Custody Record

TestAmerica

1/30/2014

Client Information	Sampler: STEVE BERNDT	Lab PM: Kudchadkar, Sachin G	Carrier Tracking No(s):	COC No: 600-24903-8960.1
Client Contact: Mr. Tim Nickels	Phone:	E-Mail: sachin.kudchadkar@testamericainc.com		Page: Page 2 of 2
Company: Pastor, Behling & Wheeler LLC		Analysis Requested		Job #: 1824
Address: 2201 Double Creek Dr Suite 4004	Due Date Requested:			Preservation Codes:
City: Round Rock	TAT Requested (days): 10 WD TRRP			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
State, Zip: TX, 78664				
Phone:	PO #: Purchase Order Requested			Other:
Email: tim.nickels@pbwllc.com	WO #:			
Project Name: Exide Recycling Center, Frisco TX Projec	Project #: 60003846			
Site:	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010B - As Only Total	8260B - MTBE Only	6010B As Only Dissolved	VOC	Total Number of containers	Special Instructions/Note:
Preservation Code:							D	A				
VCP-mw-9	1-16-14	1136	G	Water	N		X				1	
VCP-mw-9				Water	N			X			2	
VCP-mw-9		V		Water	N				X		1	Filtered
VCP-mw-8		1235		Water	N	X	X				1	
VCP-mw-8				Water	N	X		X			2	
VCP-mw-8				Water	N	X			X		1	Filtered
Dup				Water	N		X				1	
Dup				Water	N			X			2	
Dup	V	V	V	Water	N				X		1	Filtered
TRIP BLANK	V	V	V	Water	N					X		
				Water								

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Steve Berndt	1-16-14 / 1605	PBW		1/17/14 950	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-85736-1

Login Number: 85736

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.5
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27571R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 20, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Cadmium by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Cadmium analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Cadmium
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
HI-7	0	0.25	TC27571-17R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Cadmium)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Cadmium laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Cadmium were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

04/30/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27571R

Sampling Date: 03/20/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **23**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

VCP Investigation/ 0112079D

Job No: TC27571R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27571-17R	03/20/13	16:45		03/22/13	SO	Soil	HI-7 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27571R
Site:	VCP Investigation/ 0112079D	**Report Date**	4/30/2013 4:39:14 PM

1 Sample were collected on 03/20/2013 and received intact at Accutest on 03/22/2013 and properly preserved in at 2.2 Deg C. These Samples received an Accutest job number of TC27571R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27571R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27571-17R	**HI-7 0-0.25**					
Cadmium		0.077	0.020	0.00045	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-7 0-0.25
Lab Sample ID: TC27571-17R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/20/13
Date Received: 03/22/13
Percent Solids: 69.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.077	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27571

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Russell Howard
Sampler's Signature:
Proj. No.: 018207901
Project Name: UCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010C; Cadmium SW-846 #6010C; Dry weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/20/13	1415		X	PQ-7	0	0.25				1	X
2		3/20/13	1430			P-7C							
3			1435			OP-6							
4			1440			P-6C							
5			1445			O-6C							
6			1455			NO-5							
7			1455			NO-5D							
8			1520			O-5C							
9			1530			NO-3							
10	S	3/20/13	1535		X	OP-4	0	0.25				1	X

Turn around time: [X] Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/22/13	1244
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/22/13	905
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27571R: Chain of Custody
Page 1 of 4

TC27571

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:
Proj. No.: 011207.9D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010; Cadmium SW-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/20/13	1540		X	N-4C	0	0.25				1			X	
12			1545			MN-4										
13			1550			N-5C										
14			1620			N-3C										
15			1610			N-3CD										
16			1625			NO-2										
17	S	3/20/13	1645		X	HI-7	0	0.25				1			X	

NO further Entry
Rel 3/20/13

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
	3/21/13	1456		3/22/13	905
	Date:	Time:		Date:	Time:
	Date:	Time:		Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27571 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/22/2013 **Delivery Method:** **Airbill #'s:** 551053283240

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (2.3/2.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27571 **Date / Time Received:** 3/22/2013 9:05:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27571-1	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-2	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-3	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-4	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-5	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-6	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-7	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-8	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-9	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-10	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-11	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-12	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-13	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-14	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-15	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-16	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-17	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2

TC27571R: Chain of Custody
Page 4 of 4

Appendix A Laboratory Data Package Cover Page

TC27571R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/30/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**				
Reviewer	Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/30/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	MB final	MB raw	MB final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089				
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	anr				
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	anr					
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27571R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27571-17R	Cadmium	MA8128	16:53	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27572R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 20, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
HI-6	0	0.25	TC27572-17R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27572R

Sampling Date: 03/20/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **23**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Job No: TC27572R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27572-17R	03/20/13	16:55		03/22/13	SO	Soil	HI-6 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27572R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:17:48 PM

1 Sample were collected on 03/20/2013 and were received intact at Accutest on 03/22/2013 and properly preserved in at 1.7 Deg C These Samples received an Accutest job number of TC27572R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27572R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27572-17R	**HI-6 0-0.25**					
Lead		0.074	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-6 0-0.25
Lab Sample ID: TC27572-17R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/20/13
Date Received: 03/22/13
Percent Solids: 77.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.074	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC 27572

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Mayer

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Tim Nickels, Tommy Kim
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers: 7b SW 846 #6010, 1 Col SW 846 #6010, Dry Weight

Analysis Requested

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/20/13	1420		X	O-7C	0	0.25				1	X
2			1430			P-8C							
3			1435			NO-6							
4			1435			NO-6D							
5			1440			N-6C							
6			1540			M-1C							
7			1545			M-2C							
8			1550			M-3C							
9			1555			M-4C							
10	S	3/20/13	1600		X	N-2C	0	0.25				1	X

Turn around time: ☑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3.22.13	905
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC27572R: Chain of Custody
Page 1 of 4

TC27572

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Miller

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jim Mickels, Tommy Lim
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Pb SW 846 #6010, Cd SW 846 #6010, Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Pb	Cd	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/20/13	1605		X	MW-2	0	0.25				1		X		
12			1630			HI-2										
13			1635			HI-3										
14			1635			HI-3D										
15			1640			HI-4										
16			1645			HI-5										
17	S	3/20/13	1655		X	HI-6	0	0.25				1		X		

NPE 3/20/13

Turn-around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		2/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	2/21/13	1246			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/23	935

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC27572R: Chain of Custody
Page 2 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27572 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/22/2013 **Delivery Method:** **Airbill #'s:** 551053283239

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (1.8/1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27572 **Date / Time Received:** 3/22/2013 9:05:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27572-1	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-2	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-3	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-4	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-5	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-6	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-7	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-8	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-9	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-10	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-11	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-12	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-13	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-14	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-15	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-16	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-17	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7

TC27572R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC27572R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27572R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27572-17R	Lead	MA8267	21:11	1.8	ug/l	CCB9	-1.4	CCB10	-1.8

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27595R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 22, 2012 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead and Cadmium by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

Two (2) soil samples were collected from the site and analyzed for RCRA Metal Lead and Cadmium analyses. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metals Lead and Cadmium
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Laboratory Identification
M-16A3 (0-0.25)	TC27595-36R
M-16A1 (0-0.25)	TC27595-39R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metals Lead and Cadmium)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metals Lead and Cadmium laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metals Lead and Cadmium were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

04/30/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27595R

Sampling Date: 03/22/13

Report to:

Southwest Geoscience

jason.minter@southwestgeoscience.com
rusty.simpson@southwestgeoscience.com
ATTN: Jason Minter

Total number of pages in report: **29**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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6.2: Metals CCB MDL Check 29

Sample Summary

Southwest Geoscience

Job No: TC27595R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27595-36R	03/22/13	12:00		03/23/13	SO	Soil	M-16A3(0-0.25)
TC27595-39R	03/22/13	12:15		03/23/13	SO	Soil	M-16A1(0-0.25)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27595R
Site:	VCP Investigation/ 0112079D	**Report Date**	4/26/2013 3:19:05 PM

2 Samples were collected on 03/22/2013 and received intact at Accutest on 03/23/2013 and properly preserved in at 2.8 Deg C. These Samples received an Accutest job number of TC27595R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27595R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27595-36R	**M-16A3(0-0.25)**					
Lead		9.1	0.025	0.0089	mg/l	SW846 6010B
TC27595-39R	**M-16A1(0-0.25)**					
Cadmium		0.15	0.020	0.00045	mg/l	SW846 6010B
Lead		11.2	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: M-16A3(0-0.25)
Lab Sample ID: TC27595-36R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/22/13
Date Received: 03/23/13
Percent Solids: 77.5

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	9.1	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: M-16A1(0-0.25)
Lab Sample ID: TC27595-39R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/22/13
Date Received: 03/23/13
Percent Solids: 84.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.15	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]
Lead	11.2	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: D. Simpson
Sampler's Name: Jason Miller / Jim Nickels
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 5

ANALYSIS REQUESTED
Pb 3015A/6010
Cd 3015A/6010
Dissolved

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-22-13	0835		X	0-15A1 (0-0.25)	0	0.25				1	
2			0845		X	0-15A1 (0-1)	0	1				1	
3			0845		X	0-15A1 (1-2)	1	2				1	
4			0850		X	0-15A1 (2-3)	2	3				1	
5			0850		X	0-15A1 (3-4)	3	4				1	
6			0920		X	0-15 (0-1)	0	1				1	
7			0920		X	0-15 (1-2)	1	2				1	
8			0925		X	0-15 (2-3)	2	3				1	
9			0925		X	0-15 Dup (2-3)	2	3				1	
10	S	3-22-13	0930		X	0-15A8 (0-1)	0	1				1	

Turn around time ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1850			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-23-13	1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: FedEx 5587 4495 1069

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nickels / Sean Mineer
Sampler's Signature:
Proj. No.: 01120791D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Pb SW846 #6010; Cd SW 846 #6010; TCLP Metals

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 2 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-22-13	0935		X	O-15A8 (1-2)	1	2				1	
12			0935		X	O-15A8 (2-3)	2	3				1	
13			0950		X	O-15A11 (0-1)	0	1				1	
14			0955		X	O-15A11 (1-2)	1	2				1	
15			0955		X	O-15A11 (2-3)	2	3				1	
16			1010		X	EW-1 (0.5-1.5)	0.5	1.5				1	
17			1025		X	O-15A12 (0-0.25)	0	0.25				1	
18			1025		X	O-15A12 Dup (0-0.25)	0	0.25				1	
19			1030		X	O-15A12 (0-1)	0	1				1	
20	S	3-22-13	1030		X	O-15A12 (1-2)	1	2				1	

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-23-13	1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Sampler's Name: Jason Mowery, Tim Nickels
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation

ANALYSIS REQUESTED: PAH 8270 SIM 1-10D; Cd 6010 1-10D; Dry weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Page 3 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-22-13	1030		X	0-15A12 (2-3)	2	3				1	
22			1040		X	EW-2 (1-2)	1	2				1	
23			1050		X	0-15A6 (0-0.25)	0	0.25				1	
24			1055		X	0-15A6 (0-1)	0	1				1	
25			1055		X	0-15A6 (1-2)	1	2				1	
26			1055		X	0-15A6 (2-2.5)	2	2.5				1	
27			1105		X	0-15A7 (0-0.25)	0	0.25				1	
28			1115		X	0-15A7 (0-1)	0	1				1	
29			1115		X	0-15A7 (1-2)	1	2				1	
30	S	3-22-13	1115		X	0-15A7 (2-2.5)	2	2.5				1	

Turn around time ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date: 3-23-13	Time: 1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nickels, Jason Mercer
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 4 of 5

Proj. No.: 01120795
Project Name: VCP Investigation

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	TO 5W 8260 #LOD/LOQ	Cal SW 8260 #LOD/LOQ	D.G. W.P.A.C.	Lab Sample ID (Lab Use Only)
31	S	3-22-13	1125		X	O-15A9 (0-0.25)	0	0.25				1		X		
32			1130		X	O-15A9 (0-1)	0	1				1		X		
33			1130		X	O-15A9 (1-2)	1	2				1		X		
34			1140		X	N-16WA (0-0.25)	0	0.25				1		X		
35			1145		X	EW-3 (0.5-1.5)	0.5	1.5				1		X		
36			1206		X	O-MW16A3 (0-0.25)	0	0.25				1		X		
37			1205		X	O-MW16A3 (0-1)	0	1				1		X		
38			1205		X	O-MW16A3 (1-2)	1	2				1		X		
39			1215		X	~~MW~~ -16A1 (0-0.25)	0	0.25				1		X		
40	S	3-22-13	1215		X	MW-16A1 Dup (0-0.25)	0	0.25				1		X		

ANALYSIS REQUESTED

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-22-13	1015
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

1C27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nichols, Jason Mineer
Sampler's Signature:
Proj. No.: 012079 D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED
Pb SW-846 #6010
Cd SW-846 #6010
Dy #6020

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
41	S	3-22-13	1220		X	M-16A1 (0-1)	0	1				1	
42			1220		X	M-16A1 (1-2)	1	2				1	
43			1225		X	E-4 (1-2)	1	2				1	
44			1300		X	B-5 (1-2)	1	2				1	
45			1310		X	EW-6 (1-2)	1	2				1	
46	S	3-22-13	1320		X	EW-7 (1-2)	1	2				1	
	W					Temp Blank							

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/23/13	1815
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27595R: Chain of Custody
Page 5 of 9

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27595 **Client:** SOUTHWEST GEOSCIENCE **Project:** 10:15

Date / Time Received: 3/23/2013 **Delivery Method:** **Airbill #'s:** 558744951069

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (2.9/2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☐		☑

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments COC says 0-15A8 (1-2) but bottle label says 0-15A2 (1-2). Both have same date and time.

Problem Resolution

Accutest Job Number: TC27595

CSR: Sylvia Garza **Response Date:** 3/23/2013

Response: Follow Chain of Custody per client.

TC27595R: Chain of Custody
Page 7 of 9

Sample Receipt Log

Job #: TC27595 **Date / Time Received:** 3/23/2013 **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27595-1	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-2	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-3	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-4	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-5	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-6	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-7	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-8	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-9	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-10	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-11	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-12	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-13	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-14	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-15	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-16	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-17	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-18	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-19	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-20	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-21	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-22	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-23	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-24	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8

Sample Receipt Log

Job #: TC27595 **Date / Time Received:** 3/23/2013 **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27595-25	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-26	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-27	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-28	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-29	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-30	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-31	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-32	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-33	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-34	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-35	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-36	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-37	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-38	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-39	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-40	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-41	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-42	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-43	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-44	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-45	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-46	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8

TC27595R: Chain of Custody
Page 9 of 9

Appendix A Laboratory Data Package Cover Page

TC27595R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/26/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/26/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/26/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**				
Reviewer	Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/26/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089	0.0025	<0.025	0.0033	<0.025
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	0.0	0.36	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	0.0	0.36	0.40	90.0	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.39	0.40	97.5	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27595R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27595-39R	Cadmium	MA8128	17:07	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC29094R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected April 15, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Laboratory Identification
TP-7 (1')	TC29094-6R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC29094R

Sampling Date: 04/15/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **24**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories. Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC29094R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC29094-6R	04/15/13	10:45		04/16/13	SO	Soil	TP-7(1')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC29094R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/4/2013 5:13:56 PM

1 Sample were collected on 04/15/2013 and were received intact at Accutest on 04/16/2013 and properly preserved in at 3.8 Deg C These Samples received an Accutest job number of TC29094R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC29094R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 04/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC29094-6R	**TP-7(1')**					
Lead		0.60	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TP-7(1')
Lab Sample ID: TC29094-6R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 04/15/13
Date Received: 04/16/13
Percent Solids: 83.2

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.60	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC491044

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: Jason Munter
Sampler's Signature: Jason Munter / Tim Nichols

Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 1 of 2

Proj. No.: 0120790
Project Name: UCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Dry weight; VOCs 5035 5646 #8260B; TPH-TX1005; 5035 5646 #8270; BTEX & MTBE 5035 5646 #8260; PCB/Cl 5035 5646 #8082; Lab Sample ID (Lab Use Only)

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	
1	S	4-15-13	0915		X	TP-4 (1')	1	1				1	X
2			0935		X	TP-4 (5')	~~5~~	~~5~~				4	X
3			1000		X	TP-8 (1')	1	1				1	X
4			1010		X	TP-8 (3')	3	3				2	X
5			1020		X	TP-8 (5')	5	5				2	X
6			1045		X	TP-7 (1')	1	1				1	X
7			1100		X	TP-7 (2')	2	2				2	X
8			1055		X	TP-7 (3')	3	3				2	X
9			1110		X	TP-6 (1')	1	1				1	X
10	S	4-15-13	1130		X	TP-6 (2.5)	2.5	2.5				2	X

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4-15-13	1930	FedEx		
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				4/16/13	930
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: Temp Blank Included
FedEx 5587 4495 3500

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC29094R: Chain of Custody
Page 1 of 5

TC29094

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Office Location: Dallas
Project Manager: J. Mercer
Sampler's Name: Jim Nickels, Jason Mercer
Sampler's Signature:
Proj. No.: 0120795
Project Name: ICP Investigation

ANALYSIS REQUESTED

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	No/Type of Containers	Lab Sample ID (Lab Use Only)
11	S	4-15-13	1135		X	TP-6 (3.5')	3.5	3.5				2	X	
12			1200		X	TP-5 (1')	1	1				2	X	
13			1205		X	TP-5 (3')	3	3				2	X	
14			1405		X	TP-1 (1')	1	1				2	X	
15			1410		X	TP-1 (2')	2	2				2	X	
16			1435		X	TP-2 (1')	1	1				1	X	
17			1445		X	TP-3 (1.5')	1.5	1.5				1	X	
18			1500		X	TP-3 (0.5')	0.5	0.5				1	X	
19			1505		X	TP-4 (0.5')	0.5	0.5				1	X	
20	S	4-15-13	1510		X	TP-4 (1.5')	1.5	1.5				1	X	

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
1		4-15-13	1930	FedEx		
2	FedEx				4/16/13	930
3						
4						

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC29094 **Client:** SOUTHWEST GEOSCIENCE **Project:**

Date / Time Received: 4/16/2013 **Delivery Method:** **Airbill #'s:** 558744953500

No. Coolers: 1 **Therm ID:** IR-5; **Temp Adjustment Factor:** 0;

Cooler Temps (Initial/Adjusted): #1: (3.8/3.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC29094 **Date / Time Received:** 4/16/2013 9:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
	TC29094-1	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
1	TC29094-2	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	3	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	4	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
	TC29094-3	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-4	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-4	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-5	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-5	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-6	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-7	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-7	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-8	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-8	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-9	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-10	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-10	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-11	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-11	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-12	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-12	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-13	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				

TC29094R: Chain of Custody
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Sample Receipt Log

Job #: TC29094 **Date / Time Received:** 4/16/2013 9:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
	TC29094-13	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-14	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-14	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-15	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-15	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-16	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-17	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-18	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-19	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-20	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				

TC29094R: Chain of Custody
Page 5 of 5

Appendix A Laboratory Data Package Cover Page

TC29094R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/4/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC29094R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		Accutest Gulf Coast	LRC Date:	6/4/2013				
Project Name:		VCP Investigation/ 0112079D	Laboratory Project Number:	TC29094R				
Reviewer Name:		Richard Rodriguez	Prep Batch Number(s):	MP20712				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	OI	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	OI	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	O	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	O	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	OI	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	O	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	O	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	I	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	OI	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	OI	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	OI	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	OI	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	OI	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	OI	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/4/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC29094R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC29094R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC30262R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected May 7, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Laboratory Identification
HI-15 (1-2)	TC30262-14R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC30262R

Sampling Date: 05/07/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **22**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC30262R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC30262-14R	05/07/13	10:50		05/08/13	SO	Soil	HI-15(1-2)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC30262R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/4/2013 5:16:04 PM

1 Sample were collected on 05/07/2013 and were received intact at Accutest on 05/08/2013 and properly preserved in at 2 Deg C These Samples received an Accutest job number of TC30262R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC30262R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 05/07/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC30262-14R	**HI-15(1-2)**					
Lead		0.61	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-15(1-2)
Lab Sample ID: TC30262-14R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 05/07/13
Date Received: 05/08/13
Percent Solids: 87.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.61	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

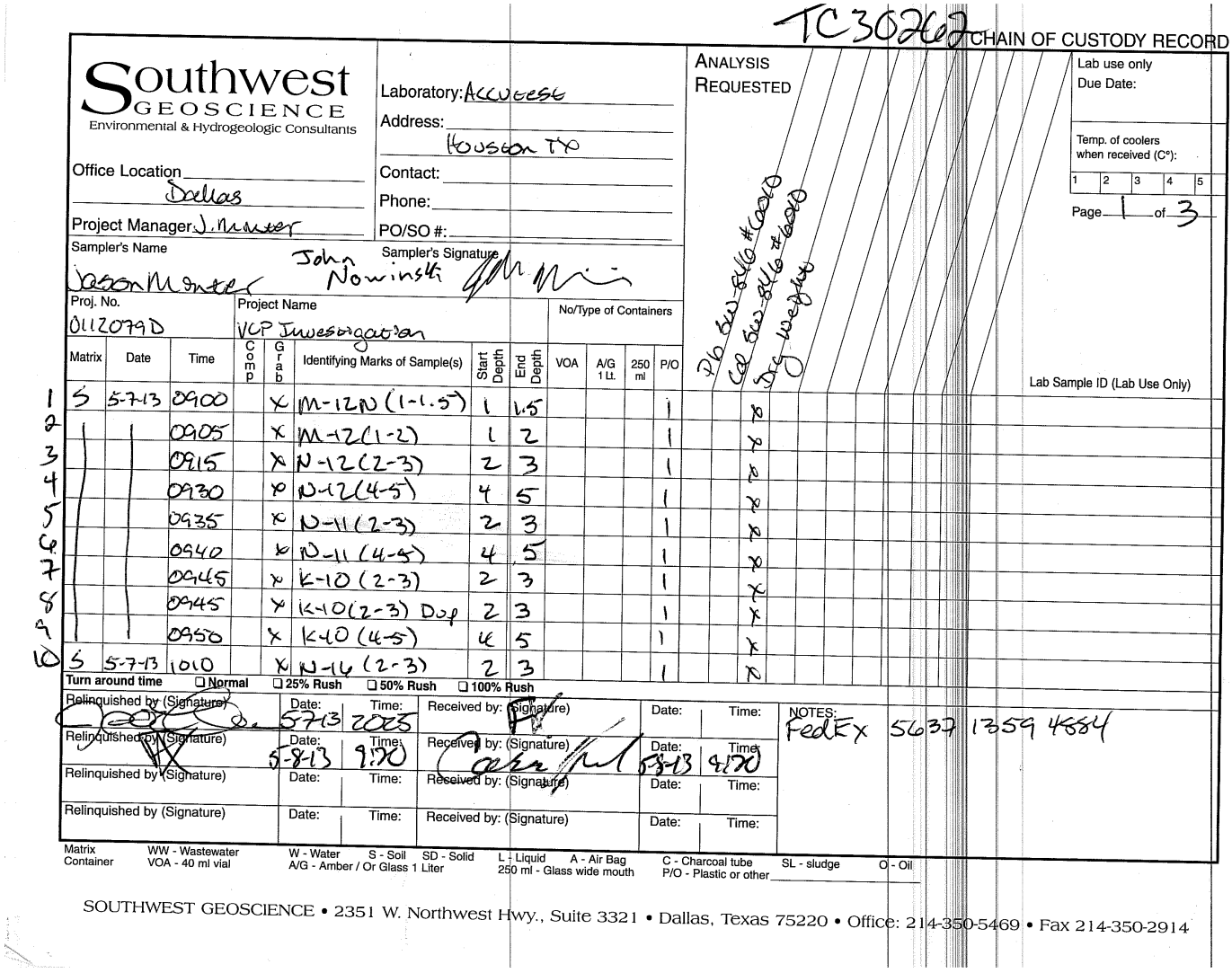
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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form



TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Nemer
Sampler's Name: Jason Nemer
Sampler's Signature: John Nowinski
Proj. No.: 01120790
Project Name: VCP Investigation
Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Analysis Requested: PO 502-8446 #6010, CO 502-8446 #6010, DG weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	5-7-13	0900		X	M-12N (1-1.5')	1	1.5				1	
2			0905		X	M-12 (1-2)	1	2				1	
3			0915		X	N-12 (2-3)	2	3				1	
4			0930		X	N-12 (4-5')	4	5				1	
5			0935		X	N-11 (2-3)	2	3				1	
6			0940		X	N-11 (4-5')	4	5				1	
7			0945		X	K-10 (2-3)	2	3				1	
8			0945		X	K-10 (2-3) Dup	2	3				1	
9			0950		X	K-10 (4-5')	4	5				1	
10	S	5-7-13	1010		X	N-16 (2-3)	2	3				1	

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Date	Time		Date	Time
Relinquished by (Signature)	5-7-13	2025	Received by: (Signature)		
Relinquished by (Signature)	5-8-13	9:30	Received by: (Signature)	5-8-13	9:30
Relinquished by (Signature)			Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)		

NOTES: FedEx 5637 1359 4584

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
Page 1 of 3

TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: John Nowinski; Susan Munter
Sampler's Signature:
Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

Laboratory: Accutest
Address: Houston, TX
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED

PD 5260 #6010
Cd 6020 #6010
Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	5-7-13	1025		X	K-15 (2-3)	2	3				1	X
12			1035		X	K-15 (4-5)	4	5				1	X
13			1040		X	HI-15 (2-3)	2	3				1	X
14			1050		X	HI-15 (1-2)	1	2				1	X
15			1055		X	HI-15 (4-5)	4	5				1	X
16			1105		X	TP-9 (5-6)	5	6				1	X
17			1110		X	TP-9 (6-7)	6	7				1	X
18			1115		X	TP-9 (7-8)	7	8				1	X
19			1120		X	TP-9 (8-9)	8	9				1	X
20	S	5-7-13	1125		X	TP-9 (9-10)	9	10				1	X

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

	Date	Time		Date	Time	NOTES:
Relinquished by (Signature)	5-7-13	2025	Received by: (Signature)			
Relinquished by (Signature)			Received by: (Signature)	5-8-13	9:12	
Relinquished by (Signature)			Received by: (Signature)			
Relinquished by (Signature)			Received by: (Signature)			

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
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TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munster
Sampler's Name: Jason Munster
Sampler's Signature: John Nowinski

Laboratory: Accutest
Address: Houston, TX
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 3

Proj. No.: 01120790
Project Name: UCP Investigation

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: PID 8260 #LOD, GC 8015 #LOD, Dry Weight	Lab Sample ID (Lab Use Only)
21	S	5-7-13	1300		X	E-10N(2-3)	2	3				1	X	
22			1300		X	E-10N(2-3) Dup	2	3				1	X	
23			1310		X	E-10N(4-5)	4	5				1	X	
24			1325		X	E-10E(2-3)	2	3				1	X	
25			1330		X	E-10E(4-5)	4	5				1	X	
26			1345		X	E-9(2-3)	2	3				1	X	
27			1345		X	E-9(2-3) Dup	2	3				1	X	
28	S	5-7-13	1350		X	E-9(4-5)	4	5				1	X	
	W					Temp Blank						1		X
						NOTE JN 5-7-13								X

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	5-7-13	2025			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				5-8-13	9:20
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
Page 3 of 3

Appendix A Laboratory Data Package Cover Page

TC30262R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/4/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**					
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/4/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC30262R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC30262-14R	Lead	MA8267	21:18	1.8	ug/l	CCB9	-1.4	CCB10	-1.8

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC3952R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 23, 2012 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
F-17	0	0.25	TC3952-8R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/28/13



Technical Report for

Southwest Geoscience

Exide SS / 0112079A

Accutest Job Number: TC3952R

Sampling Date: 03/23/12

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **24**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Exide SS / 0112079A

Job No: TC3952R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
TC3952-8R	03/23/12	13:21		03/24/12	SO	Soil	F-17

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC3952R
Site:	Exide SS / 0112079A	**Report Date**	6/28/2013 10:39:47 AM

1 Sample was collected on 03/23/2012 and received intact at Accutest on 03/24/2012 and properly preserved in at 2.8 Deg C. The sample received an Accutest job number of TC3952R. A listing of the Laboratory Sample ID, Client Sample ID and date of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP17284

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC5028-1DUP, TC5028-1MS, TC5028-1MSD, TC5028-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP17284-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC3952R
Account: Southwest Geoscience
Project: Exide SS / 0112079A
Collected: 03/23/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC3952-8R	**F-17**					
Lead		0.57	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: F-17
Lab Sample ID: TC3952-8R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/23/12
Date Received: 03/24/12
Percent Solids: 77.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.57	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC3952

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED
P/O SW-846 #6010
Cd SW-846 #6010
Pb Weights

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-23-12	1026		X	E-17	0	0.25				1	X
2			1041		X	E-16	0	0.25				1	X
3			1050		X	D-16	0	0.25				1	X
4			1102		X	C-16	0	0.25				1	X
5			1115		X	C-17	0	0.25				1	X
6			1128		X	D-17	0	0.25				1	X
7			1304		X	F-16	0	0.25				1	X
8			1321		X	F-17	0	0.25				1	X
9			1330		X	G-16	0	0.25				1	X
10	S	3-23-12	1344		X	G-17	0	0.25				1	X

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FX	3.23.12	1840	FX		
FX	3/24/12	1030			

NOTES: FedEx Airbill No. 876822117240

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC3952R: Chain of Custody
Page 1 of 5

TC3952

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter | Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide 55

ANALYSIS REQUESTED: Pb SW-846 #6010; Cd SW-846 #6010; Dig weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Pb	Cd	Dig	Lab Sample ID (Lab Use Only)
11	S	3-23-12	1354		X	H-16	0	0.25				1		X		
12			1407		X	H-17	0	0.25				1		X		
13			1416		X	I-16	0	0.25				1		X		
14			1427		X	I-17	0	0.25				1		X		
15			1438		X	J-16	0	0.25				1		X		
16			1445		X	J-17	0	0.25				1		X		
17			1515		X	K-17	0	0.25				1		X		
18			1535		X	K-16	0	0.25				1		X		
19	S	3-23-12	1548		X	L-16	0	0.25				1		X		
			NFE			3-23-12										

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-23-12	1840	FX		
FX	3/24/12	1030			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: FedEx Airbill No. 8768 2211 7240

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC3952 **Client:** SOUTHWEST GEOSCIENCE **Project:** EXIDE SS

Date / Time Received: 3/24/2012 **Delivery Method:** **Airbill #'s:** 876822117240

No. Coolers: **Therm ID:** LOGINDIG; **Temp Adjustment Factor:** 1;

Cooler Temps (Initial/Adjusted): #1: (1.8/2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:			

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☑	☐
5. Filtering instructions clear:	☐		☐	☑

Comments ANALYSIS LISTED ON C.O.C. UNCLEAR FOR (PB SW-846 #6010) & (CD SW-846 #6010)

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

ACCUTEST LABORATORIES

Problem Resolution

Accutest Job Number: TC3952

CSR: Sylvia Garza **Response Date:** 3/27/2012

Response: Running Dry Weight only and Metals are ON HOLD.

ACCUTEST LABORATORIES

Sample Receipt Log

Job #: TC3952 **Date / Time Received:** 3/24/2012 10:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC3952-1	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-2	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-3	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-4	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-5	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-6	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-7	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-8	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-9	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-10	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-11	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-12	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-13	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-14	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-15	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-16	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-17	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-18	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-19	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8

TC3952R: Chain of Custody
Page 5 of 5

Appendix A Laboratory Data Package Cover Page

TC3952R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/28/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**					
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?		X					
		Were analytical duplicates analyzed at the appropriate frequency?		X					
		Were RPDs or relative standard deviations within the laboratory QC limits?		X					
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**				
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/28/2013**
Project Name:	**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP17284**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1.0	.035	.061		
Antimony	0.025	.0028	.0051		
Arsenic	0.050	.005	.005		
Barium	5.0	.0008	.017		
Beryllium	0.025	.0005	.0008		
Boron	0.50	.002	.039		
Cadmium	0.020	.00075	.00045		
Calcium	25	.02	.12		
Chromium	0.050	.0011	.0014		
Cobalt	0.25	.0013	.0011		
Copper	0.13	.0012	.03		
Iron	0.50	.023	.12		
Lead	0.025	.0033	.0089	0.0021	<0.025
Lithium	1.5	.0033	.01		
Magnesium	25	.038	.04		
Manganese	0.075	.00045	.0093		
Molybdenum	0.050	.0031	.001		
Nickel	0.20	.0011	.007		
Potassium	25	.038	.22		
Selenium	0.25	.006	.0049		
Silver	0.050	.001	.0012		
Sodium	25	.029	.52		
Strontium	0.050	.00035	.002		
Thallium	0.050	.0042	.0058		
Tin	0.10	.0034	.014		
Titanium	0.10	.00095	.0015		
Vanadium	0.25	.0009	.0015		
Zinc	0.50	.00065	.017		

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12 04/09/12

Metal	TC5028-1 Original	DUP	RPD	QC Limits	TC5028-1 Original	MS	Spikelot MPITCLP5 % Rec	QC Limits
Aluminum								
Antimony	anr							
Arsenic	anr							
Barium	anr							
Beryllium	anr							
Boron								
Cadmium	anr							
Calcium								
Chromium	anr							
Cobalt								
Copper	anr							
Iron								
Lead	0.0087	0.0091	4.5	0-20	0.0087	1.8	2.0	89.6	75-125
Lithium								
Magnesium								
Manganese								
Molybdenum								
Nickel	anr							
Potassium								
Selenium	anr							
Silver	anr							
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium	anr							
Zinc	anr							

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	MSD	Spikelot MPITCLP5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.0087	1.8	2.0	89.6	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	BSP Result	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.6	2.0	80.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.74	4.79	175.3(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC3952R
Account: SGTXD Southwest Geoscience
Project: Exide SS / 0112079A

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC4461R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 30, 2012 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

Five (5) soil samples were collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
E-11	0	0.25	TC4461-6R
E-12	0	0.25	TC4461-7R
E-13	0	0.25	TC4461-8R
E-14	0	0.25	TC4461-9R
O-15	0	0.25	TC4461-12R

Data Review / Validation Results

Analytical Results
Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/28/13



Technical Report for

Southwest Geoscience

Exide SS / 0112079A

Accutest Job Number: TC4461R

Sampling Date: 03/28/12

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **31**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Exide SS / 0112079A

Job No: TC4461R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC4461-6R	03/28/12	08:48		03/30/12	SO	Soil	E-11 0-0.25
TC4461-7R	03/28/12	08:51		03/30/12	SO	Soil	E-12 0-0.25
TC4461-8R	03/28/12	09:23		03/30/12	SO	Soil	E-13 0-0.25
TC4461-9R	03/28/12	09:27		03/30/12	SO	Soil	E-14 0-0.25
TC4461-12R	03/28/12	10:09		03/30/12	SO	Soil	O-15 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Southwest Geoscience **Job No** TC4461R

Site: Exide SS / 0112079A **Report Date** 6/28/2013 10:53:56 AM

5 Samples were collected on 03/28/2012 and received intact at Accutest on 03/30/2012 and properly preserved in at 4.6 Deg C. These Samples received an Accutest job number of TC4461R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP17284

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC5028-1DUP, TC5028-1MS, TC5028-1MSD, TC5028-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP17284-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC4461R
Account: Southwest Geoscience
Project: Exide SS / 0112079A
Collected: 03/28/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC4461-6R	**E-11 0-0.25**					
Lead		0.88	0.025	0.0089	mg/l	SW846 6010B
TC4461-7R	**E-12 0-0.25**					
Lead		0.50	0.025	0.0089	mg/l	SW846 6010B
TC4461-8R	**E-13 0-0.25**					
Lead		0.23	0.025	0.0089	mg/l	SW846 6010B
TC4461-9R	**E-14 0-0.25**					
Lead		0.073	0.025	0.0089	mg/l	SW846 6010B
TC4461-12R	**O-15 0-0.25**					
Lead		4.4	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: E-11 0-0.25
Lab Sample ID: TC4461-6R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 69.9

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.88	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-12 0-0.25
Lab Sample ID: TC4461-7R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 70.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.50	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-13 0-0.25
Lab Sample ID: TC4461-8R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 70.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.23	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-14 0-0.25
Lab Sample ID: TC4461-9R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 67.3

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.073	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: O-15 0-0.25
Lab Sample ID: TC4461-12R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 60.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	4.4	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Manser

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Manser / Chris Mo
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: Pb 6010 8260 6010 / Cd 6010 8260 6010 / Dy weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-28-12	0749		X	D-11	0	0.25				1	
2			0755		X	D-12	0	0.25				1	
3			0805		X	D-13	0	0.25				1	
4			0823		X	D-14	0	0.25				1	
5			0830		X	D-15	0	0.25				1	
6			0848		X	E-11	0	0.25				1	
7			0851		X	E-12	0	0.25				1	
8			0923		X	E-13	0	0.25				1	
9			0927		X	E-14	0	0.25				1	
10	S	3-28-12	0932		X	E-15	0	0.25				1	

Turn around time: X Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1540	FEDEX	3-29-12	1540
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FEDEX	3-29-12	17:02			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC4461R: Chain of Custody
Page 1 of 8

TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Mercer

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Mercer / Chris Hall
Sampler's Signature:

Proj. No.: 01120794
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: Pb (SW-846 #6010), Cd (SW-846 #6010), Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-28-12	1006		X	O-17	0	0.25				1	
12			1009		X	O-15	0	0.25				1	
13			1023		X	O-13	0	0.25				1	
14			1028		X	Q-13	0	0.25				1	
15			1050		X	Q-15	0	0.25				1	
16			1055		X	Q-11	0	0.25				1	
17			1100		X	Q-9	0	0.25				1	
18			1245		X	O-11	0	0.25				1	
19			1248		X	O-9	0	0.25				1	
20	S	3-28-12	1339		X	Q-8	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	03-29-12	1540		3-29-12	1540
Relinquished by (Signature) FEDEX	Date: 3-29-12	Time: 17:02	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC4461R: Chain of Custody
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TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Munster

Sampler's Name: Jason Munster / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exodess
No/Type of Containers

ANALYSIS REQUESTED
PO 6W 5446 #6010
Col 6W 5446 #6010
DG weeks

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-28-12	1343		X	O-5	0	0.25				1	
22			1347		X	O-3	0	0.25				1	
23			1415		X	M-5	0	0.25				1	
24			1419		X	M-3	0	0.25				1	
25			1425		X	M-1	0	0.25				1	
26			1447		X	M-7	0	0.25				1	
27			1450		X	O-7	0	0.25				1	
28			1512		X	K-4	0	0.25				1	
29			1515		X	K-2	0	0.25				1	
30	S	3-28-12	1519		X	K-1	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1540		3-29-12	1540
Relinquished by (Signature) FEDEX	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	17:02			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC4461R: Chain of Custody
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TC4461 CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munster

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Munster / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: DO SW846 6010; Cd Se SW846 6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 4 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
31	S	3-28-12	1600		X	B-18	0	0.25				1	
32			1607		X	C-18	0	0.25				1	
33			1620		X	E-18	0	0.25				1	
34			1625		X	E-20	0	0.25				1	
35			1632		X	E-22	0	0.25				1	
36			1648		X	C-20	0	0.25				1	
37			1652		X	C-22	0	0.25				1	
38			1702		X	G-18	0	0.25				1	
39			1721		X	G-20	0	0.25				1	
40	S	3-28-12	1724		X	I-18	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-29-12	1130		3-29-12	1130
	3-29-12	1540		3-29-12	1540
Fedex	3-29-12	17:02			

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC4461R: Chain of Custody
Page 4 of 8

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Murrell

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 5

Sampler's Name: Jason Murrell / Chris Moll
Sampler's Signature:

Proj. No.: 01120794
Project Name: Exxdess
No/Type of Containers

ANALYSIS REQUESTED
Pb SW-846 #6010
Cd SW-846 #6010
DG Weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
41	S	3-28-12	1727		X	I-20	0	0.25				1	
42	1	1	1804		X	M-19	0	0.25				1	
43	1	1	1809		X	K-19	0	0.25				1	
44	S	3-28-12	1813		X	K-20	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1136		3-29-12	1130
Relinquished by (Signature)	3-29-12	1540	Received by: (Signature)	3-29-12	1540
Relinquished by (Signature) FedEx	3-29-12	17:02	Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)		

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC4461 **Client:** SOUTHWEST GEOSCEINCE ENVIRONME **Project:** EXIDE SS

Date / Time Received: 3/30/2012 **Delivery Method:** **Airbill #'s:**

No. Coolers: 1 **Therm ID:** IRGUN4; **Temp Adjustment Factor:** -0.2;

Cooler Temps (Initial/Adjusted): #1: (4.8/4.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Sample Receipt Log

Job #: TC4461 **Date / Time Received:** 3/30/2012 9:55:00 AM **Initials:** CM

Client: SOUTHWEST GEOSCEINCE ENVIRONMENTAL

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC4461-1	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-2	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-3	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-4	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-5	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-6	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-7	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-8	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-9	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-10	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-11	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-12	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-13	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-14	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-15	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-16	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-17	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-18	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-19	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-20	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-21	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-22	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-23	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6

Sample Receipt Log

Job #: TC4461 **Date / Time Received:** 3/30/2012 9:55:00 AM **Initials:** CM

Client: SOUTHWEST GEOSCEINCE ENVIRONMENTAL

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC4461-24	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-25	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-26	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-27	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-28	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-29	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-30	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-31	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-32	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-33	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-34	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-35	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-36	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-37	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-38	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-39	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-40	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-41	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-42	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-43	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-44	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6

Appendix A Laboratory Data Package Cover Page

TC4461R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/28/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**					
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?		X					
		Were analytical duplicates analyzed at the appropriate frequency?		X					
		Were RPDs or relative standard deviations within the laboratory QC limits?		X					
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**				
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/28/2013**
Project Name:	**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP17284**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1.0	.035	.061		
Antimony	0.025	.0028	.0051		
Arsenic	0.050	.005	.005		
Barium	5.0	.0008	.017		
Beryllium	0.025	.0005	.0008		
Boron	0.50	.002	.039		
Cadmium	0.020	.00075	.00045		
Calcium	25	.02	.12		
Chromium	0.050	.0011	.0014		
Cobalt	0.25	.0013	.0011		
Copper	0.13	.0012	.03		
Iron	0.50	.023	.12		
Lead	0.025	.0033	.0089	0.0021	<0.025
Lithium	1.5	.0033	.01		
Magnesium	25	.038	.04		
Manganese	0.075	.00045	.0093		
Molybdenum	0.050	.0031	.001		
Nickel	0.20	.0011	.007		
Potassium	25	.038	.22		
Selenium	0.25	.006	.0049		
Silver	0.050	.001	.0012		
Sodium	25	.029	.52		
Strontium	0.050	.00035	.002		
Thallium	0.050	.0042	.0058		
Tin	0.10	.0034	.014		
Titanium	0.10	.00095	.0015		
Vanadium	0.25	.0009	.0015		
Zinc	0.50	.00065	.017		

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12 04/09/12

Metal	TC5028-1 Original	DUP	RPD	QC Limits	TC5028-1 Original	MS	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	0.0087	0.0091	4.5	0-20	0.0087	1.8	2.0	89.6	75-125
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	MSD	Spikelot MPITCLP5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.0087	1.8	2.0	89.6	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	BSP Result	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.6	2.0	80.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.74	4.79	175.3(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC4461R
Account: SGTXD Southwest Geoscience
Project: Exide SS / 0112079A

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27388R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 18, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
BC-8	0	0.25	TC27388-3R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27388R

Sampling Date: 03/18/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **26**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC27388R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27388-3R	03/18/13	09:15		03/20/13	SO	Soil	BC-8 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27388R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:14:15 PM

1 Sample were collected on 03/18/2013 and were received intact at Accutest on 03/20/2013 and properly preserved in at 5.2 Deg C These Samples received an Accutest job number of TC27388R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27388R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/18/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27388-3R	**BC-8 0-0.25**					
Lead		0.087	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BC-8 0-0.25
Lab Sample ID: TC27388-3R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/18/13
Date Received: 03/20/13
Percent Solids: 74.0

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.087	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Miller

Sampler's Name: Jason Miller, Tim Nickels
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED
PO 502546 #60008
Lot 502546 #60013
By Weekend

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O											Lab Sample ID (Lab Use Only)
1	S	3-18-13	0900		X	AB-6	0	0.25				1			X								
2			0910		X	AB-7	0	0.25				1			X								
3			0915		X	BC-8	0	0.25				1			X								
4			0920		X	BC-7	0	0.25				1			X								
5			0945		X	BC-6	0	0.25				1			X								
6			0950		X	BC-5	0	0.25				1			X								
7			0955		X	DE-5	0	0.25				1			X								
8			1005		X	DE-6	0	0.25				1			X								
9			1008		X	DE-7	0	0.25				1			X								
10	S	3-18-13	1105		X	EF-17	0	0.25				1			X								

Turn around time: ☑ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-19-13	0830		3/19/13	0830
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320		3/19/13	1320
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3.2013	92
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - ~~Air Bag~~; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27388R: Chain of Custody
Page 1 of 7

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter, Tim Nichols
Sampler's Signature:

Proj. No.: 01120750
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: PO 520-5416 #100013; CA 520-5416 #100013; BTEX 8260

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-18-13	1105		X	EF-17D	0	0.25				1	
12			1110		X	F-18C	0	0.25				1	
13			1115		X	F-19C	0	0.25				1	
14			1120		X	F-20C	0	0.25				1	
15			1130		X	F-21C	0	0.25				1	
16			1135		X	EF-21	0	0.25				1	
17			1145		X	E-21C	0	0.25				1	
18			1150		X	DE-22	0	0.25				1	
19			1155		X	DE-21	0	0.25				1	
20	S	3-19-13	1345		X	D-21C	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time
1		3-19-13	0830		3/19/13	0830
2		3/19/13	1320		3/19/13	1320
3					3/20/13	920
4						

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: Tim Nickels / Jason Munter
Sampler's Signature:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 4

Proj. No.: 01120790
Project Name: VCP-Investigation
No/Type of Containers

ANALYSIS REQUESTED: PCB 3w5546 #060313; Cd 3w5546 #060313; Dy Webster

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-18-13	1345		X	D-21C D	0	0.25				1	
22			1350		X	D-22C	0	0.25				1	
23			1355		X	CD-21	0	0.25				1	
24			1405		X	C-21C	0	0.25				1	
25			1410		X	C-22C	0	0.25				1	
26			1555		X	CD-17	0	0.25				1	
27			1610		X	BL-16	0	0.25				1	
28			1610 1630		X	BL16D	0	0.25				1	
29			1630		X	C-19	0	0.25				1	
30	S	3-18-13	1710		X	G-20C	0	0.25				1	

Turn around time: ☑ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Date	Time		Date	Time
Relinquished by (Signature)	3-19-13	0830	Received by: (Signature)	3/19/13	0830
Relinquished by (Signature)	3/19/13	1320	Received by: (Signature)	3/19/13	1320
Relinquished by (Signature)			Received by: (Signature)		930
Relinquished by (Signature)			Received by: (Signature)		

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27388R: Chain of Custody
Page 3 of 7

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: ACCUTEST
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Hunter

Sampler's Name: Jason Hunter, Tim Nichols
Sampler's Signature:

Proj. No.: 01120791
Project Name: ICP-Investigation
No/Type of Containers

ANALYSIS REQUESTED
PB-8021B #60108
TPH-GRO 8021B #60103
DRO w/ SGC

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 4 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O											Lab Sample ID (Lab Use Only)
31	S	3-18-13	1715		X	G-19C	0	0.25				1			X								
32			1720		X	G-18C	0	0.25				1			X								
33			1730		X	GH-19	0	0.25				1			X								
34			1740		X	H-19C	0	0.25				1			X								
35			1750		X	HI-20	0	0.25				1			X								
36	S	3-18-13	1755		X	I-20C	0	0.25				1			X								
	W					Temp Blank						1											

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
	3-19-13	0830		3/19/13	0830
	3/19/13	1320		3/19/13	1320

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - ~~Air Bag~~; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27388 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/20/2013 **Delivery Method:** **Airbill #'s:**

No. Coolers: 1 **Therm ID:** IR1A; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (5.3/5.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27388 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27388-1	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-2	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-3	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-4	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-5	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-6	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-7	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-8	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-9	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-10	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-11	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-12	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-13	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-14	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-15	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-16	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-17	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-18	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-19	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-20	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-21	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-22	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-23	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2

TC27388R: Chain of Custody
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Sample Receipt Log

Job #: TC27388 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27388-24	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-25	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-26	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-27	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-28	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-29	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-30	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-31	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-32	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-33	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-34	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-35	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-36	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2

TC27388R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC27388R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**					
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27388R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27389R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 19, 2012 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metals Lead and Cadmium by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

Two (2) soil samples were collected from the site and analyzed for RCRA Metal Lead and Cadmium analyses. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metals Lead and Cadmium
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
L-16A1	0	0.25	TC27389-12R
L-16A2	0	0.25	TC27389-13R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metals Lead and Cadmium)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metals Lead and Cadmium laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metals Lead and Cadmium were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

05/02/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27389R

Sampling Date: 03/19/13

Report to:

Southwest Geoscience

jason.minter@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **25**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Job No: TC27389R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27389-12R	03/19/13	10:45		03/20/13	SO	Soil	L-16A1 0-0.25
TC27389-13R	03/19/13	10:55		03/20/13	SO	Soil	L-16A2 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Southwest Geoscience **Job No** TC27389R

Site: VCP Investigation/ 0112079D **Report Date** 4/30/2013 4:35:49 PM

2 Samples were collected on 03/19/2013 and received intact at Accutest on 03/20/2013 and properly preserved in at 3.9 Deg C. These Samples received an Accutest job number of TC27389R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27389R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/19/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27389-12R	**L-16A1 0-0.25**					
Lead		1.3	0.025	0.0089	mg/l	SW846 6010B
TC27389-13R	**L-16A2 0-0.25**					
Cadmium		0.041	0.020	0.00045	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: L-16A1 0-0.25
Lab Sample ID: TC27389-12R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/20/13
Percent Solids: 60.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	1.3	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: L-16A2 0-0.25
Lab Sample ID: TC27389-13R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/20/13
Percent Solids: 61.3

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.041	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC 27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, Tx
Project Manager: J. Hinter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Analysis Requested: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 3

Proj. No.: 01120 79D
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/9/13	0840		X	GH-16	0	0.25				1	X
2			0850			GH-17							
3			0900			H-18C							
4			0910			HI-17							
5			0920			I-18C							
6			0940			I-18A2							
7			0940			I-18A2D							
8			0950			HI-16							
9			1010			J-18C							
10	S	3/9/13	1000		X	JJ-16	0	0.25				1	X

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/9/13	1320		3/11/13	1320
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/11/13	1320			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/12/13	930
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 1 of 5

TC27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, Tx
Project Manager J. Minter
Sampler's Name Ryan Francis / Russell Howard
Sampler's Signature
Proj. No. 01120790
Project Name VCP Investigation
No/Type of Containers

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010; Cadmium SW-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O			Lab Sample ID (Lab Use Only)
11	S	3/19/13	1035		X	KL-15	0	0.25				1		X	
12			1045			L-16A1									
13			1055			L-16A2									
14			1110			NO-14									
15			1130			O-15C									
16			1135			O-15A5									
17			1145			O-15A8									
18			1145			O-15A8D									
19			1155			O-15A10									
20	S	3/19/13	1200		X	P-15C	0	0.25				1		X	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
1		3/19/13	1320		3/19/13	1320
2		3/19/13	1328		Date:	Time:
3		Date:	Time:		Date:	Time:
4		Date:	Time:		3-20-13 Date:	9:2 Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 2 of 5

TC27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter
Sampler's Name: Ryan Francis / Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead Sw-846 #6020; Cadmium Sw-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 3

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3/19/13	1210		X	0-14c	0	0.25				1	X

No further Entry RDH 3/19/13

Turn around time: [X] Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320		3/19/13	1325
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/20/13	8:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 3 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27389 **Client:** SOTHWEST GEOSCIENCE **Project:** VCD INVESTIGATION

Date / Time Received: 3/20/2013 **Delivery Method:** **Airbill #'s:** 795769901105

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (4/3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27389 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27389-1	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-2	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-3	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-4	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-5	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-6	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-7	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-8	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-9	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-10	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-11	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-12	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-13	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-14	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-15	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-16	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-17	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-18	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-19	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-20	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-21	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9

TC27389R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC27389R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/30/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/30/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089	0.0025	<0.025	0.0033	<0.025
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	0.0	0.36	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	0.0	0.36	0.40	90.0	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.39	0.40	97.5	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27389R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27389-13R	Cadmium	MA8128	16:47	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

DATA USABILITY SUMMARY

John J. LeGolvan reviewed one data package (TC27554R) from Accutest Laboratories Gulf Coast (Accutest) for the analysis of soil samples collected March 19, 2013 at J Parcel in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives.

Intended Use of Data: The objective of the soil sampling event was to provide current data on Toxicity Characteristic Leaching Procedure (TCLP) concentrations of chemicals of concern (COCs) in the soil at the affected property.

Analyses requested included:

- SW-846 #1311 – TCLP
- SW-846 #6010B – RCRA Metal Lead by Inductively Coupled Plasma – Atomic Emission Spectrometry (ICP-AES)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- the laboratory review checklists and associated exception reports, and
- the field notes with respect to sampling procedures, and preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized on the Laboratory Review Checklists (LRCs), Exception Reports (ERs) and in the case narratives, all of which were included in this review.

The complete laboratory analytical data package including LRCs, associated ERs, and reportable data included in this review are attached to this DUS.

Introduction

One (1) soil sample was collected from the site and analyzed for RCRA Metal Lead analysis. Table 1 lists the field sample identification cross-referenced to the laboratory identification.

Project Objectives

RCRA Metal Lead
Recovery 75-125%
RPD 0-20%

TABLE 1
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - FIELD/LAB IDENTIFICATION CORRELATION

Field Identification	Start Depth (Feet)	End Depth (Feet)	Laboratory Identification
OP-12	0	0.25	TC27554-10R

Data Review / Validation Results

Analytical Results

Qualified sample data is listed in Table 2.

Preservation and Holding Times
Soil samples were evaluated for agreement with the chain-of-custody (C-O-C) and the Laboratory Review Checklist. All samples were received in the appropriate containers and in good condition with the paperwork filled out properly. Sample receipt temperatures were within the acceptance criteria of 4 ± 2 °C. Samples were preserved in the field as specified in SW-846 Table 2-36. Samples were prepared and analyzed within holding times specified in SW-846 Table 2-36.

Calibrations
According to the LRC, initial calibration data met SW-846 method requirements for the analytes.

Blanks
Laboratory method blank data was reported for each of the selected analytes. None of the analytes were detected above the laboratory MDLs in the method blanks; therefore, it appears that no laboratory contaminants were introduced in the method blank analyses.

Internal Standard and Surrogate Recoveries (RCRA Metal Lead)
Due to the method in use, internal standards and surrogates were not used in the analyses.

Laboratory Control Samples
RCRA Metal Lead laboratory control sample (LCS) recoveries met project objectives of 75 to 125% recovery.

Matrix Spike/Matrix Spike Duplicates
The MS/MSD recoveries for RCRA Metal Lead were within the required QC limits.

Other Problems/Anomalies
For reporting purposes, the laboratory states that the method blank represents the unadjusted MQL.

TABLE 2
J Parcel, Frisco, Texas
DATA USABILITY SUMMARY - QUALIFIED DATA

Field Identification	Analyte	Qualification	Reason for Qualification
Not Applicable			

Field Procedures
The laboratory did not produce a duplicate analysis of the soil samples collected at the site. A field precision sample was not collected in the field.

Summary
The laboratory analyses were performed within the guidelines of the standards specified in the TRRP-13 guidance document. The laboratory QC indicates acceptable instrument calibration and performance. The overall quality of the laboratory data appears to be acceptable for the project objective. The soil analytical data are usable for the purpose of determining current COC concentrations in soil at the affected property.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27554R

Sampling Date: 03/19/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **28**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

VCP Investigation/ 0112079D

Job No: TC27554R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
TC27554-10R	03/19/13	15:40		03/21/13	SO	Soil	OP-12 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27554R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:16:07 PM

1 Sample were collected on 03/19/2013 and were received intact at Accutest on 03/21/2013 and properly preserved in at 1.9 Deg C These Samples received an Accutest job number of TC27554R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27554R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/19/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27554-10R	**OP-12 0-0.25**					
Lead		0.076	0.025	0.0089	mg/l	SW846 6010B

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: OP-12 0-0.25
Lab Sample ID: TC27554-10R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/21/13
Percent Solids: 78.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.076	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 6

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead SW-846 #6010	Cadmium SW-846 #6010	Dry Weight	Lab Sample ID (Lab Use Only)
1	S	3/19/13	1420		X	O-13C	0	0.25				1		X		
2			1430			NO-13										
3			1445			P-14C										
4			1450			PQ-14										
5			1500			Q-14C										
6			1505			PQ-13										
7			1515			P-13C										
8			1515			P-13CD										
9			1530			O-12C										
10	S	3/19/13	1540		X	OP-12	0	0.25				1		X		

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-20-13	9:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27554R: Chain of Custody
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TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, TX
Project Manager J. Minter

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Sampler's Name Ryan Francis, Russell Howard
Sampler's Signature

Proj. No. D1120790
Project Name VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED
Lead SW-846 #6010
Cadmium SW-846 #6010
Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 10

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead SW-846 #6010	Cadmium SW-846 #6010	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/19/13	1545		X	PQ-12	0	0.25				1			X	
12			1550			P-12C										
13			1605			PQ-11										
14			1615			P-11C										
15			1625			PQ-9										
16			1635			O-11C										
17			1650			OP-10										
18			1700			MW-9										
19			1700			MW-9D										
20	S	3/19/13	1710		X	M-8C	0	0.25				1			X	

Turn around time ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-22-13	9:00
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554R: Chain of Custody
Page 2 of 9

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 6

Proj. No.: 01120.PID
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry Weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3/19/13	1720		X	CM-9	0	0.25				1	
22	↓	↓	1730		↓	CM-10	↓	↓				↓	
23	S	3/19/13	1800		X	L-18C	0	0.25				1	

ND Sample Entry Rpt 3/19/13

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
	3/20/13	1305		Date:	Time:
	Date:	Time:		Date: 3-22-13	Time: 9:50
	Date:	Time:		Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, TX
Project Manager J. Winter
Sampler's Name Ryan Francis, Russell Howard
Sampler's Signature
Proj. No. 01120790
Project Name VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead 6010 (Sw-846), Cadmium 6010 (Sw-846), Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 4 of 6

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
24	S	3/20/13	0840		X	P-10C (DUP 3/20/13)	0	0.25				1	
25			0850			~~P80~~ PQ-10							
26			0900			O-10C							
27			0910			O-9C							
28			0915			NO-9							
29			0930			MW-8							
30			0930			MW-8D							
31			0945			LM-8							
32			0955			LM-7							
33	S	3/20/13	1010		X	LM-6	0	0.25				1	

Turn around time: ☒ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-21-13	9:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Hanson
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 6

Proj. No.: 61120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Lead Sw-846 #6010, Cadmium Sw-846 #6010, Dry weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry weight	Lab Sample ID (Lab Use Only)
34	S	3/20/13	1030		X	KL-9	0	0.25				1			X	
35			1040			KL-8										
36			1045			KL-7										
37			1055			KL-6										
38			1100			KL-5										
39			1110			JK-6										
40			1150			IJ-5										
41			1150			IJ-5D										
42			1155			IJ-6										
43	S	3/20/13	1205		X	IJ-4	0	0.25				1			X	

Turn around time: ☒ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/21/13	915
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 6 of 6

Proj. No.: 01120790
Project Name: VCP Investigation

ANALYSIS REQUESTED: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry weight

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry weight	Lab Sample ID (Lab Use Only)
S	3/20/13	1240		X	IJ-3	0	0.25				1		X		
S	3/20/13	1215		X	IJ-2	0	0.25				1		X		

No further Entry RDH 3/20/13

Turn around time: ☑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/21/13	8:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27554R: Chain of Custody
Page 6 of 9

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27554 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/21/2013 **Delivery Method:** **Airbill #'s:** 795770130982

No. Coolers: 1 **Therm ID:** IR-5; **Temp Adjustment Factor:** 0.1;

Cooler Temps (Initial/Adjusted): #1: (1.8/1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27554 **Date / Time Received:** 3/21/2013 9:30:00 AM **Initials:** CH

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27554-1	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-2	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-3	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-4	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-5	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-6	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-7	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-8	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-9	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-10	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-11	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-12	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-13	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-14	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-15	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-16	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-17	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-18	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-19	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-20	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-21	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-22	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-23	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9

Sample Receipt Log

Job #: TC27554 **Date / Time Received:** 3/21/2013 9:30:00 AM **Initials:** CH

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27554-24	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-25	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-26	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-27	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-28	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-29	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-30	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-31	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-32	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-33	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-34	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-35	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-36	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-37	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-38	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-39	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-40	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-41	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-42	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-43	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-44	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-45	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9

TC27554R: Chain of Custody
Page 9 of 9

Appendix A Laboratory Data Package Cover Page

TC27554R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**				
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27554R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27388R

Sampling Date: 03/18/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **26**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Job No: TC27388R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27388-3R	03/18/13	09:15		03/20/13	SO	Soil	BC-8 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27388R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:14:15 PM

1 Sample were collected on 03/18/2013 and were received intact at Accutest on 03/20/2013 and properly preserved in at 5.2 Deg C These Samples received an Accutest job number of TC27388R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27388R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/18/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27388-3R	**BC-8 0-0.25**					
Lead		0.087	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BC-8 0-0.25
Lab Sample ID: TC27388-3R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/18/13
Date Received: 03/20/13
Percent Solids: 74.0

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.087	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Miller

Sampler's Name: Jason Miller, Tim Nickels
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED
PO 502546 #60008
Lot 502546 #60013
By Weekend

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O											Lab Sample ID (Lab Use Only)
1	S	3-18-13	0900		X	AB-6	0	0.25				1			X								
2			0910		X	AB-7	0	0.25				1			X								
3			0915		X	BC-8	0	0.25				1			X								
4			0920		X	BC-7	0	0.25				1			X								
5			0945		X	BC-6	0	0.25				1			X								
6			0950		X	BC-5	0	0.25				1			X								
7			0955		X	DE-5	0	0.25				1			X								
8			1005		X	DE-6	0	0.25				1			X								
9			1008		X	DE-7	0	0.25				1			X								
10	S	3-18-13	1105		X	EF-17	0	0.25				1			X								

Turn around time: ☑ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-19-13	0830		3/19/13	0830
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320		3/19/13	1320
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3.2013	92
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - ~~Air Bag~~; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27388R: Chain of Custody
Page 1 of 7

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter, Tim Nichols
Sampler's Signature:

Proj. No.: 01120750
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: PO 520-5416 #100013; CA 520-5416 #100013; BTEX 8260

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-18-13	1105		X	EF-17D	0	0.25				1	
12			1110		X	F-18C	0	0.25				1	
13			1115		X	F-19C	0	0.25				1	
14			1120		X	F-20C	0	0.25				1	
15			1130		X	F-21C	0	0.25				1	
16			1135		X	EF-21	0	0.25				1	
17			1145		X	E-21C	0	0.25				1	
18			1150		X	DE-22	0	0.25				1	
19			1155		X	DE-21	0	0.25				1	
20	S	3-19-13	1345		X	D-21C	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time
1		3-19-13	0830		3/19/13	0830
2		3/19/13	1320		3/19/13	1320
3					3/20/13	920
4						

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: Tim Nickels / Jason Munter
Sampler's Signature:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 4

Proj. No.: 01120790
Project Name: VCP-Investigation
No/Type of Containers

ANALYSIS REQUESTED: PCB 3w5546 #060313; Cd 3w5546 #060313; Dy Webster

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-18-13	1345		X	D-21C D	0	0.25				1	
22			1350		X	D-22C	0	0.25				1	
23			1355		X	CD-21	0	0.25				1	
24			1405		X	C-21C	0	0.25				1	
25			1410		X	C-22C	0	0.25				1	
26			1555		X	CD-17	0	0.25				1	
27			1610		X	BL-16	0	0.25				1	
28			1610 1630		X	BL16D	0	0.25				1	
29			1630		X	C-19	0	0.25				1	
30	S	3-18-13	1710		X	G-20C	0	0.25				1	

Turn around time: ☑ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Date	Time		Date	Time
Relinquished by (Signature)	3-19-13	0830	Received by: (Signature)	3/19/13	0830
Relinquished by (Signature)	3/19/13	1320	Received by: (Signature)	3/19/13	1320
Relinquished by (Signature)			Received by: (Signature)		930
Relinquished by (Signature)			Received by: (Signature)		

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27388R: Chain of Custody
Page 3 of 7

TC27388

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: ACCUTEST
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Hunter

Sampler's Name: Jason Hunter, Tim Nichols
Sampler's Signature:

Proj. No.: 01120791
Project Name: ICP-Investigation
No/Type of Containers

ANALYSIS REQUESTED
PB-8021B #60108
TPH-GRO 8021B #60103
DRO w/ SGC

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 4 of 4

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O											Lab Sample ID (Lab Use Only)
31	S	3-18-13	1715		X	G-19C	0	0.25				1			X								
32			1720		X	G-18C	0	0.25				1			X								
33			1730		X	GH-19	0	0.25				1			X								
34			1740		X	H-19C	0	0.25				1			X								
35			1750		X	HI-20	0	0.25				1			X								
36	S	3-18-13	1755		X	I-20C	0	0.25				1			X								
	W					Temp Blank						1											

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date	Time	Received by (Signature)	Date	Time
	3-19-13	0830		3/19/13	0830
	3/19/13	1320		3/19/13	1320

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - ~~Air Bag~~; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27388 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/20/2013 **Delivery Method:** **Airbill #'s:**

No. Coolers: 1 **Therm ID:** IR1A; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (5.3/5.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27388 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27388-1	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-2	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-3	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-4	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-5	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-6	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-7	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-8	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-9	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-10	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-11	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-12	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-13	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-14	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-15	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-16	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-17	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-18	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-19	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-20	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-21	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-22	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-23	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2

TC27388R: Chain of Custody
Page 6 of 7

Sample Receipt Log

Job #: TC27388 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27388-24	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-25	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-26	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-27	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-28	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-29	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-30	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-31	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-32	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-33	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-34	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-35	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2
1	TC27388-36	4oz	1	2-25	N/P	Note #2 - Preservative check not applicable.	IR1A	5.3	-0.1	5.2

TC27388R: Chain of Custody
Page 7 of 7

Appendix A Laboratory Data Package Cover Page

TC27388R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**					
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27388R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27388R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27388-3R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27388R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

05/02/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27389R

Sampling Date: 03/19/13

Report to:

Southwest Geoscience

jason.minter@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **25**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

VCP Investigation/ 0112079D

Job No: TC27389R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
TC27389-12R	03/19/13	10:45		03/20/13	SO	Soil	L-16A1 0-0.25
TC27389-13R	03/19/13	10:55		03/20/13	SO	Soil	L-16A2 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Southwest Geoscience **Job No** TC27389R

Site: VCP Investigation/ 0112079D **Report Date** 4/30/2013 4:35:49 PM

2 Samples were collected on 03/19/2013 and received intact at Accutest on 03/20/2013 and properly preserved in at 3.9 Deg C. These Samples received an Accutest job number of TC27389R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27389R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/19/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27389-12R	**L-16A1 0-0.25**					
Lead		1.3	0.025	0.0089	mg/l	SW846 6010B
TC27389-13R	**L-16A2 0-0.25**					
Cadmium		0.041	0.020	0.00045	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: L-16A1 0-0.25
Lab Sample ID: TC27389-12R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/20/13
Percent Solids: 60.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	1.3	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: L-16A2 0-0.25
Lab Sample ID: TC27389-13R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/20/13
Percent Solids: 61.3

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.041	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit U = Indicates a result < SDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC 27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, Tx
Project Manager: J. Hinter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Analysis Requested: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 3

Proj. No.: 01120 79D
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/9/13	0840		X	GH-16	0	0.25				1	X
2			0850			GH-17							
3			0900			H-18C							
4			0910			HI-17							
5			0920			I-18C							
6			0940			I-18A2							
7			0940			I-18A2D							
8			0950			HI-16							
9			1010			J-18C							
10	S	3/9/13	1000		X	JJ-16	0	0.25				1	X

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/9/13	1320		3/11/13	1320
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/11/13	1320			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/12/13	930
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 1 of 5

TC27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, Tx
Project Manager J. Minter
Sampler's Name Ryan Francis / Russell Howard
Sampler's Signature
Proj. No. 01120790
Project Name VCP Investigation
No/Type of Containers

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010; Cadmium SW-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O			Lab Sample ID (Lab Use Only)
11	S	3/19/13	1035		X	KL-15	0	0.25				1		X	
12			1045			L-16A1									
13			1055			L-16A2									
14			1110			NO-14									
15			1130			O-15C									
16			1135			O-15A5									
17			1145			O-15A8									
18			1145			O-15A8D									
19			1155			O-15A10									
20	S	3/19/13	1200		X	P-15C	0	0.25				1		X	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
1		3/19/13	1320		3/19/13	1320
2		3/19/13	1328		Date:	Time:
3		Date:	Time:		Date:	Time:
4		Date:	Time:		3-20-13 Date:	9:2 Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 2 of 5

TC27389

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter
Sampler's Name: Ryan Francis / Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead Sw-846 #6020; Cadmium Sw-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 3

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3/19/13	1210		X	0-14c	0	0.25				1	X

No further Entry RDH 3/19/13

Turn around time: [X] Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320		3/19/13	1325
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/19/13	1320			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/20/13	8:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27389R: Chain of Custody
Page 3 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27389 **Client:** SOTHWEST GEOSCIENCE **Project:** VCD INVESTIGATION

Date / Time Received: 3/20/2013 **Delivery Method:** **Airbill #'s:** 795769901105

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (4/3.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27389 **Date / Time Received:** 3/20/2013 9:30:00 AM **Initials:** EC

Client: SOTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27389-1	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-2	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-3	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-4	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-5	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-6	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-7	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-8	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-9	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-10	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-11	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-12	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-13	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-14	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-15	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-16	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-17	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-18	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-19	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-20	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9
1	TC27389-21	4oz	1	2-26	N/P	Note #2 - Preservative check not applicable.	IR6	4	-0.1	3.9

TC27389R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC27389R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/30/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/30/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27389R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089	0.0025	<0.025	0.0033	<0.025
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	0.0	0.36	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	0.0	0.36	0.40	90.0	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.39	0.40	97.5	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27389R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27389-12R, TC27389-13R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27389R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27389-13R	Cadmium	MA8128	16:47	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27554R

Sampling Date: 03/19/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **28**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Job No: TC27554R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27554-10R	03/19/13	15:40		03/21/13	SO	Soil	OP-12 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27554R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:16:07 PM

1 Sample were collected on 03/19/2013 and were received intact at Accutest on 03/21/2013 and properly preserved in at 1.9 Deg C These Samples received an Accutest job number of TC27554R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27554R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/19/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27554-10R	**OP-12 0-0.25**					
Lead		0.076	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: OP-12 0-0.25
Lab Sample ID: TC27554-10R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/19/13
Date Received: 03/21/13
Percent Solids: 78.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.076	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 6

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead SW-846 #6010	Cadmium SW-846 #6010	Dry Weight	Lab Sample ID (Lab Use Only)
1	S	3/19/13	1420		X	O-13C	0	0.25				1		X		
2			1430			NO-13										
3			1445			P-14C										
4			1450			PQ-14										
5			1500			Q-14C										
6			1505			PQ-13										
7			1515			P-13C										
8			1515			P-13CD										
9			1530			O-12C										
10	S	3/19/13	1540		X	OP-12	0	0.25				1		X		

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-20-13	9:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27554R: Chain of Custody
Page 1 of 9

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, TX
Project Manager J. Minter

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Sampler's Name Ryan Francis, Russell Howard
Sampler's Signature

Proj. No. D1120790
Project Name VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED
Lead SW-846 #6010
Cadmium SW-846 #6010
Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 10

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead SW-846 #6010	Cadmium SW-846 #6010	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/19/13	1545		X	PQ-12	0	0.25				1			X	
12			1550			P-12C										
13			1605			PQ-11										
14			1615			P-11C										
15			1625			PQ-9										
16			1635			O-11C										
17			1650			OP-10										
18			1700			MW-9										
19			1700			MW-9D										
20	S	3/19/13	1710		X	M-8C	0	0.25				1			X	

Turn around time ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-22-13	9:00
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554R: Chain of Custody
Page 2 of 9

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 6

Proj. No.: 01120.PID
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry Weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3/19/13	1720		X	CM-9	0	0.25				1	
22	↓	↓	1730		↓	CM-10	↓	↓				↓	
23	S	3/19/13	1800		X	L-18C	0	0.25				1	

ND Sample Entry Rpt 3/19/13

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
	3/20/13	1305		Date:	Time:
	Date:	Time:		Date: 3-22-13	Time: 9:50
	Date:	Time:		Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location Dallas, TX
Project Manager J. Winter
Sampler's Name Ryan Francis, Russell Howard
Sampler's Signature
Proj. No. 01120790
Project Name VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead 6010 (Sw-846), Cadmium 6010 (Sw-846), Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 4 of 6

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
24	S	3/20/13	0840		X	P-10C (DUP 3/20/13)	0	0.25				1	
25			0850			~~P80~~ PQ-10							
26			0900			O-10C							
27			0910			O-9C							
28			0915			NO-9							
29			0930			MW-8							
30			0930			MW-8D							
31			0945			LM-8							
32			0955			LM-7							
33	S	3/20/13	1010		X	LM-6	0	0.25				1	

Turn around time: ☒ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-21-13	9:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Hanson
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 6

Proj. No.: 61120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Lead Sw-846 #6010, Cadmium Sw-846 #6010, Dry weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry weight	Lab Sample ID (Lab Use Only)
34	S	3/20/13	1030		X	KL-9	0	0.25				1			X	
35			1040			KL-8										
36			1045			KL-7										
37			1055			KL-6										
38			1100			KL-5										
39			1110			JK-6										
40			1150			IJ-5										
41			1150			IJ-5D										
42			1155			IJ-6										
43	S	3/20/13	1205		X	IJ-4	0	0.25				1			X	

Turn around time: ☒ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/21/13	915
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27554

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 6 of 6

Proj. No.: 01120790
Project Name: VCP Investigation

ANALYSIS REQUESTED: Lead SW-846 #6010, Cadmium SW-846 #6010, Dry weight

Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry weight	Lab Sample ID (Lab Use Only)
S	3/20/13	1240		X	IJ-3	0	0.25				1		X		
S	3/20/13	1215		X	IJ-2	0	0.25				1		X		

No further Entry RDH 3/20/13

Turn around time: ☑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300		3/20/13	1300
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/20/13	1300			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/21/13	8:30
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC27554R: Chain of Custody
Page 6 of 9

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27554 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/21/2013 **Delivery Method:** **Airbill #'s:** 795770130982

No. Coolers: 1 **Therm ID:** IR-5; **Temp Adjustment Factor:** 0.1;

Cooler Temps (Initial/Adjusted): #1: (1.8/1.9);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27554 **Date / Time Received:** 3/21/2013 9:30:00 AM **Initials:** CH

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27554-1	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-2	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-3	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-4	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-5	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-6	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-7	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-8	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-9	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-10	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-11	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-12	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-13	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-14	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-15	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-16	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-17	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-18	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-19	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-20	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-21	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-22	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-23	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9

Sample Receipt Log

Job #: TC27554 **Date / Time Received:** 3/21/2013 9:30:00 AM **Initials:** CH

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27554-24	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-25	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-26	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-27	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-28	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-29	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-30	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-31	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-32	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-33	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-34	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-35	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-36	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-37	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-38	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-39	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-40	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-41	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-42	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-43	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-44	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9
1	TC27554-45	4oz	1	2-43	N/P	Note #2 - Preservative check not applicable.	IR-5	1.8	0.1	1.9

TC27554R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC27554R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**				
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27554R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27554R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27554-10R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27554R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

04/30/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27571R

Sampling Date: 03/20/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **23**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC27571R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27571-17R	03/20/13	16:45		03/22/13	SO	Soil	HI-7 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27571R
Site:	VCP Investigation/ 0112079D	**Report Date**	4/30/2013 4:39:14 PM

1 Sample were collected on 03/20/2013 and received intact at Accutest on 03/22/2013 and properly preserved in at 2.2 Deg C. These Samples received an Accutest job number of TC27571R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27571R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27571-17R	**HI-7 0-0.25**					
Cadmium		0.077	0.020	0.00045	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-7 0-0.25
Lab Sample ID: TC27571-17R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/20/13
Date Received: 03/22/13
Percent Solids: 69.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.077	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27571

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Russell Howard
Sampler's Signature:
Proj. No.: 018207901
Project Name: UCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010C; Cadmium SW-846 #6010C; Dry weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/20/13	1415		X	PQ-7	0	0.25				1	X
2		3/20/13	1430			P-7C							
3			1435			OP-6							
4			1440			P-6C							
5			1445			O-6C							
6			1455			NO-5							
7			1455			NO-5D							
8			1520			O-5C							
9			1530			NO-3							
10	S	3/20/13	1535		X	OP-4	0	0.25				1	X

Turn around time: [X] Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/22/13	1244
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/22/13	905
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27571R: Chain of Custody
Page 1 of 4

TC27571

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas, TX
Project Manager: J. Minter
Sampler's Name: Ryan Francis, Russell Howard
Sampler's Signature:
Proj. No.: 011207.9D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Lead SW-846 #6010; Cadmium SW-846 #6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lead	Cadmium	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/20/13	1540		X	N-4C	0	0.25				1			X	
12			1545			MN-4										
13			1550			N-5C										
14			1620			N-3C										
15			1610			N-3CD										
16			1625			NO-2										
17	S	3/20/13	1645		X	HI-7	0	0.25				1			X	

NO further Entry
Rel 3/20/13

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
	3/21/13	1456		3/22/13	905
	Date:	Time:		Date:	Time:
	Date:	Time:		Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27571 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/22/2013 **Delivery Method:** **Airbill #'s:** 551053283240

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (2.3/2.2);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27571 **Date / Time Received:** 3/22/2013 9:05:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27571-1	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-2	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-3	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-4	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-5	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-6	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-7	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-8	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-9	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-10	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-11	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-12	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-13	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-14	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-15	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-16	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2
1	TC27571-17	4oz	1	2-46	N/P	Note #2 - Preservative check not applicable.	IR6	2.3	-0.1	2.2

TC27571R: Chain of Custody
Page 4 of 4

Appendix A Laboratory Data Package Cover Page

TC27571R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/30/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/30/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**				
Reviewer	Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/30/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27571R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	MB final	MB raw	MB final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089				
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	anr				
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	anr					
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27571R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	anr			
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27571-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27571R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27571-17R	Cadmium	MA8128	16:53	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27572R

Sampling Date: 03/20/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **23**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC27572R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27572-17R	03/20/13	16:55		03/22/13	SO	Soil	HI-6 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27572R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/5/2013 3:17:48 PM

1 Sample were collected on 03/20/2013 and were received intact at Accutest on 03/22/2013 and properly preserved in at 1.7 Deg C These Samples received an Accutest job number of TC27572R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27572R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27572-17R	**HI-6 0-0.25**					
Lead		0.074	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-6 0-0.25
Lab Sample ID: TC27572-17R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/20/13
Date Received: 03/22/13
Percent Solids: 77.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.074	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC 27572

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Mayer

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Tim Nickels, Tommy Kim
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers: 7b SW 846 #6010, 1 Col SW 846 #6010, Dry Weight

Analysis Requested

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3/20/13	1420		X	O-7C	0	0.25				1	X
2			1430			P-8C							
3			1435			NO-6							
4			1435			NO-6D							
5			1440			N-6C							
6			1540			M-1C							
7			1545			M-2C							
8			1550			M-3C							
9			1555			M-4C							
10	S	3/20/13	1600		X	N-2C	0	0.25				1	X

Turn around time: ☑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		3/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3.22.13	905
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27572R: Chain of Custody
Page 1 of 4

TC27572

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Miller

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jim Mickels, Tommy Lim
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Pb SW 846 #6010, Cd SW 846 #6010, Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Pb	Cd	Dry Weight	Lab Sample ID (Lab Use Only)
11	S	3/20/13	1605		X	MW-2	0	0.25				1		X		
12			1630			HI-2										
13			1635			HI-3										
14			1635			HI-3D										
15			1640			HI-4										
16			1645			HI-5										
17	S	3/20/13	1655		X	HI-6	0	0.25				1		X		

NPE 3/20/13

Turn-around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3/21/13	1246		2/21/13	1246
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	2/21/13	1246			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/23	935

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27572R: Chain of Custody
Page 2 of 4

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27572 **Client:** SOUTHWEST GEOSCIENCE **Project:** VCP INVESTIGATION

Date / Time Received: 3/22/2013 **Delivery Method:** **Airbill #'s:** 551053283239

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (1.8/1.7);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC27572 **Date / Time Received:** 3/22/2013 9:05:00 AM **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27572-1	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-2	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-3	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-4	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-5	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-6	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-7	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-8	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-9	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-10	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-11	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-12	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-13	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-14	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-15	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-16	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7
1	TC27572-17	4oz	1	2-47	N/P	Note #2 - Preservative check not applicable.	IR6	1.8	-0.1	1.7

TC27572R: Chain of Custody
Page 4 of 4

Appendix A Laboratory Data Package Cover Page

TC27572R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/5/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/5/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/5/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27572R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27572R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC27572-17R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC27572R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27572-17R	Lead	MA8267	21:11	1.8	ug/l	CCB9	-1.4	CCB10	-1.8

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

04/30/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC27595R

Sampling Date: 03/22/13

Report to:

Southwest Geoscience

jason.minter@southwestgeoscience.com
rusty.simpson@southwestgeoscience.com
ATTN: Jason Minter

Total number of pages in report: **29**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

VCP Investigation/ 0112079D

Job No: TC27595R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC27595-36R	03/22/13	12:00		03/23/13	SO	Soil	M-16A3(0-0.25)
TC27595-39R	03/22/13	12:15		03/23/13	SO	Soil	M-16A1(0-0.25)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC27595R
Site:	VCP Investigation/ 0112079D	**Report Date**	4/26/2013 3:19:05 PM

2 Samples were collected on 03/22/2013 and received intact at Accutest on 03/23/2013 and properly preserved in at 2.8 Deg C. These Samples received an Accutest job number of TC27595R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20396

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29021-16MS, TC29021-16MSD, TC29021-16SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Cadmium are outside control limits for sample MP20396-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC27595R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 03/22/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC27595-36R	**M-16A3(0-0.25)**					
Lead		9.1	0.025	0.0089	mg/l	SW846 6010B
TC27595-39R	**M-16A1(0-0.25)**					
Cadmium		0.15	0.020	0.00045	mg/l	SW846 6010B
Lead		11.2	0.025	0.0089	mg/l	SW846 6010B

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: M-16A3(0-0.25)
Lab Sample ID: TC27595-36R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/22/13
Date Received: 03/23/13
Percent Solids: 77.5

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	9.1	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: M-16A1(0-0.25)
Lab Sample ID: TC27595-39R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 03/22/13
Date Received: 03/23/13
Percent Solids: 84.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Cadmium	0.15	D006	1.0	0.020	0.00045	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]
Lead	11.2	D008	5.0	0.025	0.0089	mg/l	5	04/19/13	04/23/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8128
(2) Prep QC Batch: MP20396

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: D. Simpson
Sampler's Name: Jason Miller / Jim Nickels
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 5

ANALYSIS REQUESTED
Pb 3015A/6010
Cd 3015A/6010
Dissolved

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-22-13	0835		X	0-15A1 (0-0.25)	0	0.25				1	
2			0845		X	0-15A1 (0-1)	0	1				1	
3			0845		X	0-15A1 (1-2)	1	2				1	
4			0850		X	0-15A1 (2-3)	2	3				1	
5			0850		X	0-15A1 (3-4)	3	4				1	
6			0920		X	0-15 (0-1)	0	1				1	
7			0920		X	0-15 (1-2)	1	2				1	
8			0925		X	0-15 (2-3)	2	3				1	
9			0925		X	0-15 Dup (2-3)	2	3				1	
10	S	3-22-13	0930		X	0-15A8 (0-1)	0	1				1	

Turn around time ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1850			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-23-13	1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: FedEx 5587 4495 1069

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nickels / Sean Mineer
Sampler's Signature:
Proj. No.: 01120791D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED: Pb SW846 #6010; Cd SW 846 #6010; TCLP Metals

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 2 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-22-13	0935		X	O-15A8 (1-2)	1	2				1	
12			0935		X	O-15A8 (2-3)	2	3				1	
13			0950		X	O-15A11 (0-1)	0	1				1	
14			0955		X	O-15A11 (1-2)	1	2				1	
15			0955		X	O-15A11 (2-3)	2	3				1	
16			1010		X	EW-1 (0.5-1.5)	0.5	1.5				1	
17			1025		X	O-15A12 (0-0.25)	0	0.25				1	
18			1025		X	O-15A12 Dup (0-0.25)	0	0.25				1	
19			1030		X	O-15A12 (0-1)	0	1				1	
20	S	3-22-13	1030		X	O-15A12 (1-2)	1	2				1	

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-23-13	1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Sampler's Name: Jason Mowery, Tim Nickels
Sampler's Signature:

Proj. No.: 01120790
Project Name: VCP Investigation

ANALYSIS REQUESTED: PAH 8270 SIM 1-10D; Cd 6010 1-10D; Dry weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5

Page 3 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-22-13	1030		X	0-15A12 (2-3)	2	3				1	
22			1040		X	EW-2 (1-2)	1	2				1	
23			1050		X	0-15A6 (0-0.25)	0	0.25				1	
24			1055		X	0-15A6 (0-1)	0	1				1	
25			1055		X	0-15A6 (1-2)	1	2				1	
26			1055		X	0-15A6 (2-2.5)	2	2.5				1	
27			1105		X	0-15A7 (0-0.25)	0	0.25				1	
28			1115		X	0-15A7 (0-1)	0	1				1	
29			1115		X	0-15A7 (1-2)	1	2				1	
30	S	3-22-13	1115		X	0-15A7 (2-2.5)	2	2.5				1	

Turn around time ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date: 3-23-13	Time: 1015
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nickels, Jason Mercer
Sampler's Signature:

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 4 of 5

Proj. No.: 01120795
Project Name: VCP Investigation

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	TO 5W 8260 #LOD/LOQ	Cal SW 8260 #LOD/LOQ	D.G. W.P.A.C.	Lab Sample ID (Lab Use Only)
31	S	3-22-13	1125		X	O-15A9 (0-0.25)	0	0.25				1		X		
32			1130		X	O-15A9 (0-1)	0	1				1		X		
33			1130		X	O-15A9 (1-2)	1	2				1		X		
34			1140		X	N-16WA (0-0.25)	0	0.25				1		X		
35			1145		X	EW-3 (0.5-1.5)	0.5	1.5				1		X		
36			1206		X	O-MW16A3 (0-0.25)	0	0.25				1		X		
37			1205		X	O-MW16A3 (0-1)	0	1				1		X		
38			1205		X	O-MW16A3 (1-2)	1	2				1		X		
39			1215		X	~~MW~~ -16A1 (0-0.25)	0	0.25				1		X		
40	S	3-22-13	1215		X	MW-16A1 Dup (0-0.25)	0	0.25				1		X		

ANALYSIS REQUESTED

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3-22-13	1015
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

1C27595

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: R. Simpson
Sampler's Name: Tim Nichols, Jason Mineer
Sampler's Signature:
Proj. No.: 012079 D
Project Name: VCP Investigation

Laboratory: Accutest
Address:
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED
Pb SW-846 #6010
Cd SW-846 #6010
Dy #6020

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
41	S	3-22-13	1220		X	M-16A1 (0-1)	0	1				1	
42			1220		X	M-16A1 (1-2)	1	2				1	
43			1225		X	E-4 (1-2)	1	2				1	
44			1300		X	B-5 (1-2)	1	2				1	
45			1310		X	EW-6 (1-2)	1	2				1	
46	S	3-22-13	1320		X	EW-7 (1-2)	1	2				1	
	W					Temp Blank							

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-22-13	1550			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				3/23/13	1815
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC27595R: Chain of Custody
Page 5 of 9

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC27595 **Client:** SOUTHWEST GEOSCIENCE **Project:** 10:15

Date / Time Received: 3/23/2013 **Delivery Method:** **Airbill #'s:** 558744951069

No. Coolers: 1 **Therm ID:** IR6; **Temp Adjustment Factor:** -0.1;

Cooler Temps (Initial/Adjusted): #1: (2.9/2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☐		☑

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments COC says 0-15A8 (1-2) but bottle label says 0-15A2 (1-2). Both have same date and time.

Problem Resolution

Accutest Job Number: TC27595

CSR: Sylvia Garza **Response Date:** 3/23/2013

Response: Follow Chain of Custody per client.

TC27595R: Chain of Custody
Page 7 of 9

Sample Receipt Log

Job #: TC27595 **Date / Time Received:** 3/23/2013 **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27595-1	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-2	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-3	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-4	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-5	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-6	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-7	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-8	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-9	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-10	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-11	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-12	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-13	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-14	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-15	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-16	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-17	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-18	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-19	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-20	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-21	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-22	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-23	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-24	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8

Sample Receipt Log

Job #: TC27595 **Date / Time Received:** 3/23/2013 **Initials:** EC

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC27595-25	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-26	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-27	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-28	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-29	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-30	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-31	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-32	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-33	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-34	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-35	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-36	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-37	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-38	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-39	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-40	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-41	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-42	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-43	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-44	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-45	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8
1	TC27595-46	4oz	1	2-48	N/P	Note #2 - Preservative check not applicable.	IR6	2.9	-0.1	2.8

TC27595R: Chain of Custody
Page 9 of 9

Appendix A Laboratory Data Package Cover Page

TC27595R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	4/26/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/26/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP20396**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**4/26/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**				
Reviewer	Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?			X			**5**
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**4/26/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC27595R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP20396**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.
5	See Metals CCB MDL check section of report.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				04/19/13		04/19/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	1.0	.035	.061				
Antimony	0.025	.0028	.0051				
Arsenic	0.050	.005	.005				
Barium	5.0	.0008	.017				
Beryllium	0.025	.0005	.0008				
Boron	0.50	.002	.039				
Cadmium	0.020	.00075	.00045	0.0011	<0.020	0.00010	<0.020
Calcium	25	.02	.12				
Chromium	0.050	.0011	.0014				
Cobalt	0.25	.0013	.0011				
Copper	0.13	.0012	.03				
Iron	0.50	.023	.12				
Lead	0.025	.0033	.0089	0.0025	<0.025	0.0033	<0.025
Lithium	1.5	.0033	.01				
Magnesium	25	.038	.04				
Manganese	0.075	.00045	.0093				
Molybdenum	0.050	.0031	.001				
Nickel	0.20	.0011	.007				
Potassium	25	.038	.22				
Selenium	0.25	.006	.0049				
Silver	0.050	.001	.0012				
Sodium	25	.029	.52				
Strontium	0.050	.00035	.002				
Thallium	0.050	.0042	.0058				
Tin	0.10	.0034	.014				
Titanium	0.10	.00095	.0015				
Vanadium	0.25	.0009	.0015				
Zinc	0.50	.00065	.017				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	0.023	0.44	0.40	104.3	75-125
Calcium					
Chromium	anr				
Cobalt					
Copper					
Iron					
Lead	0.0	0.36	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel					
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					
Zinc					

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	0.023	0.44	0.40	104.3	0.0	20
Calcium						
Chromium	anr					
Cobalt						
Copper						
Iron						
Lead	0.0	0.36	0.40	90.0	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/19/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	0.42	0.40	105.0	80-120
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.39	0.40	97.5	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC27595R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20396
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/19/13

Metal	TC29021-16 Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	22.7	34.5	52.3 (a)	0-10
Calcium				
Chromium	anr			
Cobalt				
Copper				
Iron				
Lead	0.00	0.00	NC	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP20396: TC27595-36R, TC27595-39R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC27595R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC27595-39R	Cadmium	MA8128	17:07	.090	ug/l	CCB4	0.28	CCB5	0.12

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC29094R

Sampling Date: 04/15/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **24**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC29094R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC29094-6R	04/15/13	10:45		04/16/13	SO	Soil	TP-7(1')

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC29094R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/4/2013 5:13:56 PM

1 Sample were collected on 04/15/2013 and were received intact at Accutest on 04/16/2013 and properly preserved in at 3.8 Deg C These Samples received an Accutest job number of TC29094R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC29094R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 04/15/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC29094-6R	**TP-7(1')**					
Lead		0.60	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: TP-7(1')
Lab Sample ID: TC29094-6R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 04/15/13
Date Received: 04/16/13
Percent Solids: 83.2

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.60	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC491044

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: Jason Munter
Sampler's Signature: Jason Munter / Tim Nichols

Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 | 2 | 3 | 4 | 5
Page 1 of 2

Proj. No.: 0120790
Project Name: UCP Investigation
No/Type of Containers

ANALYSIS REQUESTED: Dry weight; VOCs 5035 5646 #8260B; TPH-TX1005; 5035 5646 #8270; BTEX & MTBE 5035 5646 #8260; PCB/Cl 5035 5646 #8082; Lab Sample ID (Lab Use Only)

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	
1	S	4-15-13	0915		X	TP-4 (1')	1	1				1	X
2			0935		X	TP-4 (5')	~~5~~	~~5~~				4	X
3			1000		X	TP-8 (1')	1	1				1	X
4			1010		X	TP-8 (3')	3	3				2	X
5			1020		X	TP-8 (5')	5	5				2	X
6			1045		X	TP-7 (1')	1	1				1	X
7			1100		X	TP-7 (2')	2	2				2	X
8			1055		X	TP-7 (3')	3	3				2	X
9			1110		X	TP-6 (1')	1	1				1	X
10	S	4-15-13	1130		X	TP-6 (2.5)	2.5	2.5				2	X

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	4-15-13	1930	FedEx		
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				4/16/13	930
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: Temp Blank Included
FedEx 5587 4495 3500

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC29094R: Chain of Custody
Page 1 of 5

TC29094

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Office Location: Dallas
Project Manager: J. Mercer
Sampler's Name: Jim Nickels, Jason Mercer
Sampler's Signature:
Proj. No.: 0120795
Project Name: ICP Investigation

ANALYSIS REQUESTED

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	No/Type of Containers	Lab Sample ID (Lab Use Only)
11	S	4-15-13	1135		X	TP-6 (3.5')	3.5	3.5				2	X	
12			1200		X	TP-5 (1')	1	1				2	X	
13			1205		X	TP-5 (3')	3	3				2	X	
14			1405		X	TP-1 (1')	1	1				2	X	
15			1410		X	TP-1 (2')	2	2				2	X	
16			1435		X	TP-2 (1')	1	1				1	X	
17			1445		X	TP-3 (1.5')	1.5	1.5				1	X	
18			1500		X	TP-3 (0.5')	0.5	0.5				1	X	
19			1505		X	TP-4 (0.5')	0.5	0.5				1	X	
20	S	4-15-13	1510		X	TP-4 (1.5')	1.5	1.5				1	X	

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
1		4-15-13	1930	FedEx		
2	FedEx				4/16/13	930
3						
4						

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC29094 **Client:** SOUTHWEST GEOSCIENCE **Project:**

Date / Time Received: 4/16/2013 **Delivery Method:** **Airbill #'s:** 558744953500

No. Coolers: 1 **Therm ID:** IR-5; **Temp Adjustment Factor:** 0;

Cooler Temps (Initial/Adjusted): #1: (3.8/3.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
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Houston, TX 77036
www/accutest.com

Sample Receipt Log

Job #: TC29094 **Date / Time Received:** 4/16/2013 9:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
	TC29094-1	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
1	TC29094-2	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	3	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
1	TC29094-2	4oz	4	2-98	N/P	Note #2 - Preservative check not applicable.	IR-5	3.8	0	3.8
	TC29094-3	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-4	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-4	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-5	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-5	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-6	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-7	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-7	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-8	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-8	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-9	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-10	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-10	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-11	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-11	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-12	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-12	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-13	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				

TC29094R: Chain of Custody
Page 4 of 5

Sample Receipt Log

Job #: TC29094 **Date / Time Received:** 4/16/2013 9:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
	TC29094-13	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-14	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-14	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-15	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-15	4oz	2	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-16	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-17	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-18	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-19	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				
	TC29094-20	4oz	1	2-98	N/P	Note #2 - Preservative check not applicable.				

TC29094R: Chain of Custody
Page 5 of 5

Appendix A Laboratory Data Package Cover Page

TC29094R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/4/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC29094R**					
Reviewer Name:		**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		Accutest Gulf Coast	LRC Date:	6/4/2013				
Project Name:		VCP Investigation/ 0112079D	Laboratory Project Number:	TC29094R				
Reviewer Name:		Richard Rodriguez	Prep Batch Number(s):	MP20712				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	OI	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	OI	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	O	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	O	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	OI	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	O	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	O	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	I	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	OI	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	OI	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	OI	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	OI	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	OI	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	OI	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/4/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC29094R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MS	Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC29094R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC29094-6R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC29094R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/05/13



Technical Report for

Southwest Geoscience

VCP Investigation/ 0112079D

Accutest Job Number: TC30262R

Sampling Date: 05/07/13

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **22**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories

Sample Summary

Southwest Geoscience

Job No: TC30262R

VCP Investigation/ 0112079D

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC30262-14R	05/07/13	10:50		05/08/13	SO	Soil	HI-15(1-2)

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC30262R
Site:	VCP Investigation/ 0112079D	**Report Date**	6/4/2013 5:16:04 PM

1 Sample were collected on 05/07/2013 and were received intact at Accutest on 05/08/2013 and properly preserved in at 2 Deg C These Samples received an Accutest job number of TC30262R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP20712

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC29094-6RMS, TC29094-6RMSD, TC29094-6RSDL were used as the QC samples for metals.

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC30262R
Account: Southwest Geoscience
Project: VCP Investigation/ 0112079D
Collected: 05/07/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC30262-14R	**HI-15(1-2)**					
Lead		0.61	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: HI-15(1-2)
Lab Sample ID: TC30262-14R
Matrix: SO - Soil
Project: VCP Investigation/ 0112079D

Date Sampled: 05/07/13
Date Received: 05/08/13
Percent Solids: 87.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.61	D008	5.0	0.025	0.0089	mg/l	5	06/03/13	06/03/13	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA8267
(2) Prep QC Batch: MP20712

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

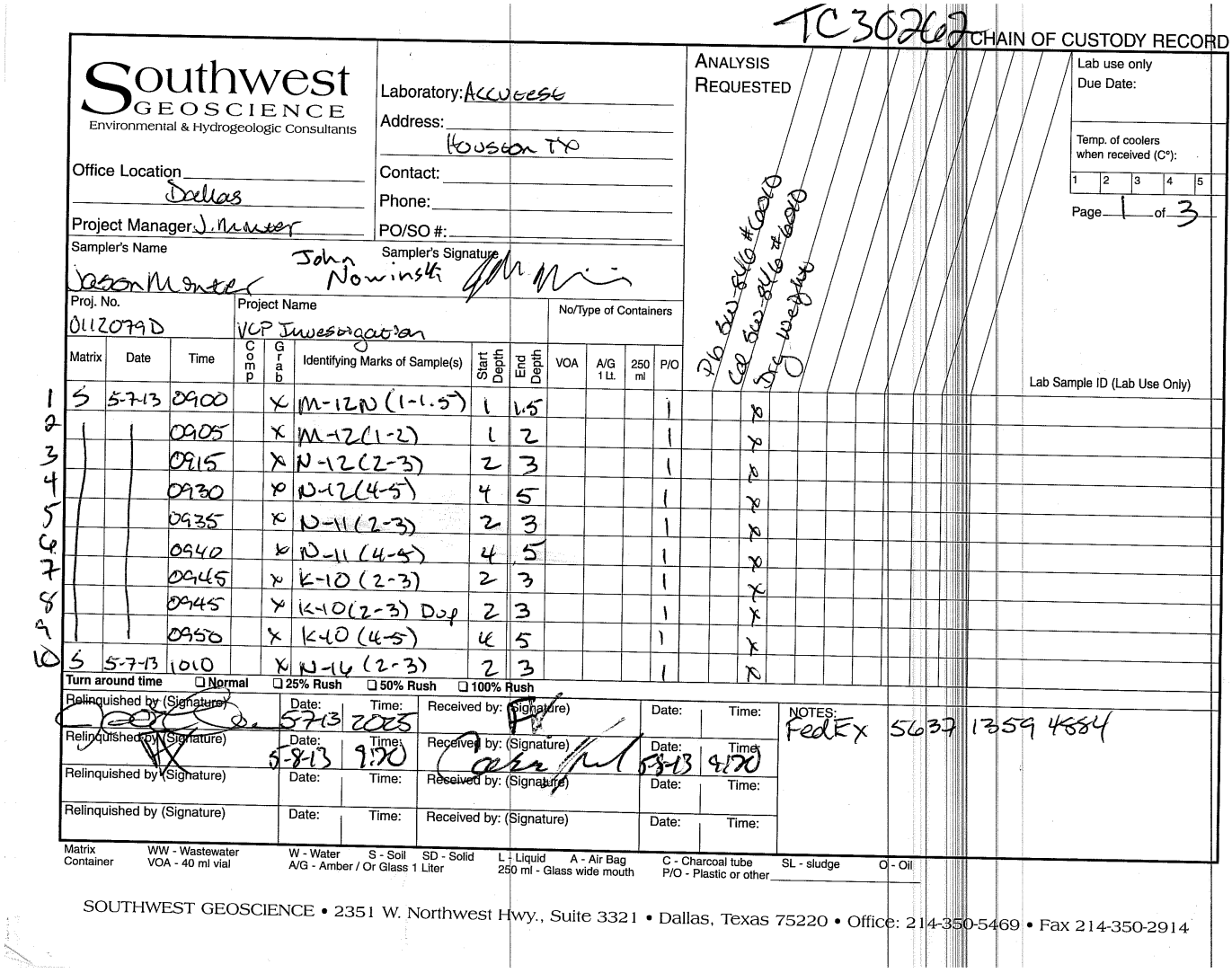
Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form



TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Nemer
Sampler's Name: Jason Nemer
Sampler's Signature: John Nowinski
Proj. No.: 01120790
Project Name: VCP Investigation
Laboratory: Accutest
Address: Houston TX
Contact:
Phone:
PO/SO #:

Analysis Requested: PO 502-8446 #6010, CO 502-8446 #6010, DG weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	5-7-13	0900		X	M-12N (1-1.5')	1	1.5				1	
2			0905		X	M-12 (1-2)	1	2				1	
3			0915		X	N-12 (2-3)	2	3				1	
4			0930		X	N-12 (4-5')	4	5				1	
5			0935		X	N-11 (2-3)	2	3				1	
6			0940		X	N-11 (4-5')	4	5				1	
7			0945		X	K-10 (2-3)	2	3				1	
8			0945		X	K-10 (2-3) Dup	2	3				1	
9			0950		X	K-10 (4-5')	4	5				1	
10	S	5-7-13	1010		X	N-16 (2-3)	2	3				1	

Turn around time: ☐ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

	Date	Time		Date	Time
Relinquished by (Signature)	5-7-13	2025	Received by: (Signature)		
Relinquished by (Signature)	5-8-13	9:30	Received by: (Signature)	5-8-13	9:30
Relinquished by (Signature)			Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)		

NOTES: FedEx 5637 1359 4584

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
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TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munter
Sampler's Name: John Nowinski; Susan Munter
Sampler's Signature:
Proj. No.: 01120790
Project Name: VCP Investigation
No/Type of Containers

Laboratory: Accutest
Address: Houston, TX
Contact:
Phone:
PO/SO #:

ANALYSIS REQUESTED

PD 5260 #6010
Cd 6020 #6010
Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 3

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	5-7-13	1025		X	K-15 (2-3)	2	3				1	X
12			1035		X	K-15 (4-5)	4	5				1	X
13			1040		X	HI-15 (2-3)	2	3				1	X
14			1050		X	HI-15 (1-2)	1	2				1	X
15			1055		X	HI-15 (4-5)	4	5				1	X
16			1105		X	TP-9 (5-6)	5	6				1	X
17			1110		X	TP-9 (6-7)	6	7				1	X
18			1115		X	TP-9 (7-8)	7	8				1	X
19			1120		X	TP-9 (8-9)	8	9				1	X
20	S	5-7-13	1125		X	TP-9 (9-10)	9	10				1	X

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

	Date	Time		Date	Time	NOTES:
Relinquished by (Signature)	5-7-13	2025	Received by: (Signature)			
Relinquished by (Signature)			Received by: (Signature)	5-8-13	9:12	
Relinquished by (Signature)			Received by: (Signature)			
Relinquished by (Signature)			Received by: (Signature)			

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
Page 2 of 3

TC30262

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munster
Sampler's Name: Jason Munster
Sampler's Signature: John Nowinski

Laboratory: Accutest
Address: Houston, TX
Contact:
Phone:
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 3

Proj. No.: 01120790
Project Name: UCP Investigation

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	ANALYSIS REQUESTED: PID 8260 #LOD, GC 8015 #LOD, Dry Weight	Lab Sample ID (Lab Use Only)
21	S	5-7-13	1300		X	E-10N(2-3)	2	3				1	X	
22			1300		X	E-10N(2-3) Dup	2	3				1	X	
23			1310		X	E-10N(4-5)	4	5				1	X	
24			1325		X	E-10E(2-3)	2	3				1	X	
25			1330		X	E-10E(4-5)	4	5				1	X	
26			1345		X	E-9(2-3)	2	3				1	X	
27			1345		X	E-9(2-3) Dup	2	3				1	X	
28	S	5-7-13	1350		X	E-9(4-5)	4	5				1	X	
	W					Temp Blank						1		X
						NOTE JN 5-7-13								X

Turn around time: ❑ Normal ❑ 25% Rush ❑ 50% Rush ❑ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	5-7-13	2025			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
				5-8-13	9:20
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC30262R: Chain of Custody
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Appendix A Laboratory Data Package Cover Page

TC30262R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/4/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**					
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**					
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?				X			
		Were analytical duplicates analyzed at the appropriate frequency?				X			
		Were RPDs or relative standard deviations within the laboratory QC limits?				X			
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/4/2013**				
Project Name:		**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**				
Reviewer	Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports			
Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/4/2013**
Project Name:	**VCP Investigation/ 0112079D**	Laboratory Project Number:	**TC30262R**
Reviewer Name:	**Richard Rodriguez**	Prep Batch Number(s):	**MP20712**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

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Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date:				06/03/13		06/03/13		06/03/13	
Metal	RL	IDL	MDL	MB raw	final	MB raw	final	MB raw	final
Aluminum	1.0	.041	.061						
Antimony	0.025	.005	.0051						
Arsenic	0.050	.0085	.005						
Barium	5.0	.0049	.017						
Beryllium	0.025	.00028	.0008						
Boron	0.50	.007	.039						
Cadmium	0.020	.00055	.00045						
Calcium	25	.037	.12						
Chromium	0.050	.0012	.0014						
Cobalt	0.25	.00075	.0011						
Copper	0.13	.0056	.03						
Iron	0.50	.0057	.12						
Lead	0.025	.005	.0089	-0.0031	<0.025	-0.0060	<0.025	-0.0049	<0.025
Lithium	1.5	.01	.01						
Magnesium	25	.038	.04						
Manganese	0.075	.00027	.0093						
Molybdenum	0.050	.002	.001						
Nickel	0.20	.0035	.007						
Potassium	25	.2	.22						
Selenium	0.25	.0077	.0049						
Silver	0.050	.0058	.0012						
Sodium	25	.046	.52						
Strontium	0.050	.00031	.002						
Thallium	0.050	.0034	.0058						
Tin	0.10	.0035	.014						
Titanium	0.10	.0015	.0015						
Vanadium	0.25	.0015	.0015						

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original MS		Spikelot MPTW4	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	anr				
Barium	anr				
Beryllium					
Boron					
Cadmium	anr				
Calcium					
Chromium	anr				
Cobalt					
Copper	anr				
Iron					
Lead	0.60	0.96	0.40	90.0	75-125
Lithium					
Magnesium					
Manganese					
Molybdenum					
Nickel	anr				
Potassium					
Selenium	anr				
Silver	anr				
Sodium					
Strontium					
Thallium					
Tin					
Titanium					
Vanadium					

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	MSD	Spikelot MPTW4	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium	anr					
Beryllium						
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.60	0.99	0.40	97.5	3.1	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 06/03/13

Metal	BSP Result	Spikelot MPTW4	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	0.38	0.40	95.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC30262R
Account: SGTXD - Southwest Geoscience
Project: VCP Investigation/ 0112079D

QC Batch ID: MP20712
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 06/03/13

Metal	TC29094-6R Original	SDL 5:25	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium	anr			
Beryllium				
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	596	562	5.6	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				

Associated samples MP20712: TC30262-14R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Metals CCB MDL Check

Job Number: TC30262R
Account: SGTXD Southwest Geoscience
Project: VCP Investigation/ 0112079D

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before		CCB After	
TC30262-14R	Lead	MA8267	21:18	1.8	ug/l	CCB9	-1.4	CCB10	-1.8

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/28/13



Technical Report for

Southwest Geoscience

Exide SS / 0112079A

Accutest Job Number: TC3952R

Sampling Date: 03/23/12

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **24**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Sample Summary

Southwest Geoscience

Exide SS / 0112079A

Job No: TC3952R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC3952-8R	03/23/12	13:21		03/24/12	SO	Soil	F-17

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client:	Southwest Geoscience	**Job No**	TC3952R
Site:	Exide SS / 0112079A	**Report Date**	6/28/2013 10:39:47 AM

1 Sample was collected on 03/23/2012 and received intact at Accutest on 03/24/2012 and properly preserved in at 2.8 Deg C. The sample received an Accutest job number of TC3952R. A listing of the Laboratory Sample ID, Client Sample ID and date of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP17284

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC5028-1DUP, TC5028-1MS, TC5028-1MSD, TC5028-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP17284-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC3952R
Account: Southwest Geoscience
Project: Exide SS / 0112079A
Collected: 03/23/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC3952-8R	**F-17**					
Lead		0.57	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: F-17
Lab Sample ID: TC3952-8R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/23/12
Date Received: 03/24/12
Percent Solids: 77.6

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.57	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC3952

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED
P/O SW-846 #6010
Cd SW-846 #6010
Pb Weights

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-23-12	1026		X	E-17	0	0.25				1	X
2			1041		X	E-16	0	0.25				1	X
3			1050		X	D-16	0	0.25				1	X
4			1102		X	C-16	0	0.25				1	X
5			1115		X	C-17	0	0.25				1	X
6			1128		X	D-17	0	0.25				1	X
7			1304		X	F-16	0	0.25				1	X
8			1321		X	F-17	0	0.25				1	X
9			1330		X	G-16	0	0.25				1	X
10	S	3-23-12	1344		X	G-17	0	0.25				1	X

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FX	3.23.12	1840	FX		
FX	3/24/12	1030			

NOTES: FedEx Airbill No. 876822117240

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC3952R: Chain of Custody
Page 1 of 5

TC3952

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Minter

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Minter | Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide 55

ANALYSIS REQUESTED: Pb SW-846 #6010; Cd SW-846 #6010; Dig weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 2

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Pb	Cd	Dig	Lab Sample ID (Lab Use Only)
11	S	3-23-12	1354		X	H-16	0	0.25				1		X		
12			1407		X	H-17	0	0.25				1		X		
13			1416		X	I-16	0	0.25				1		X		
14			1427		X	I-17	0	0.25				1		X		
15			1438		X	J-16	0	0.25				1		X		
16			1445		X	J-17	0	0.25				1		X		
17			1515		X	K-17	0	0.25				1		X		
18			1535		X	K-16	0	0.25				1		X		
19	S	3-23-12	1548		X	L-16	0	0.25				1		X		
			NFE			3-23-12										

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-23-12	1840	FX		
FX	3/24/12	1030			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES: FedEx Airbill No. 8768 2211 7240

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC3952 **Client:** SOUTHWEST GEOSCIENCE **Project:** EXIDE SS

Date / Time Received: 3/24/2012 **Delivery Method:** **Airbill #'s:** 876822117240

No. Coolers: **Therm ID:** LOGINDIG; **Temp Adjustment Factor:** 1;

Cooler Temps (Initial/Adjusted): #1: (1.8/2.8);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:			
3. Cooler media:			

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☑	☐
5. Filtering instructions clear:	☐		☐	☑

Comments ANALYSIS LISTED ON C.O.C. UNCLEAR FOR (PB SW-846 #6010) & (CD SW-846 #6010)

Accutest Laboratories
V:713.271.4700

10165 Harwin Drive
F: 713.271.4770

Houston, TX 77036
www/accutest.com

ACCUTEST LABORATORIES

Problem Resolution

Accutest Job Number: TC3952

CSR: Sylvia Garza **Response Date:** 3/27/2012

Response: Running Dry Weight only and Metals are ON HOLD.

ACCUTEST LABORATORIES

Sample Receipt Log

Job #: TC3952 **Date / Time Received:** 3/24/2012 10:30:00 AM **Initials:** BG

Client: SOUTHWEST GEOSCIENCE

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC3952-1	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-2	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-3	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-4	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-5	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-6	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-7	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-8	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-9	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-10	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-11	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-12	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-13	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-14	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-15	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-16	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-17	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-18	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8
1	TC3952-19	4oz	1	2-13	N/P	Note #2 - Preservative check not applicable.	LOGINDIG	1.8	1	2.8

TC3952R: Chain of Custody
Page 5 of 5

Appendix A Laboratory Data Package Cover Page

TC3952R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/28/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**					
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?		X					
		Were analytical duplicates analyzed at the appropriate frequency?		X					
		Were RPDs or relative standard deviations within the laboratory QC limits?		X					
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**				
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/28/2013**
Project Name:	**Exide SS / 0112079A**	Laboratory Project Number:	**TC3952R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP17284**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1.0	.035	.061		
Antimony	0.025	.0028	.0051		
Arsenic	0.050	.005	.005		
Barium	5.0	.0008	.017		
Beryllium	0.025	.0005	.0008		
Boron	0.50	.002	.039		
Cadmium	0.020	.00075	.00045		
Calcium	25	.02	.12		
Chromium	0.050	.0011	.0014		
Cobalt	0.25	.0013	.0011		
Copper	0.13	.0012	.03		
Iron	0.50	.023	.12		
Lead	0.025	.0033	.0089	0.0021	<0.025
Lithium	1.5	.0033	.01		
Magnesium	25	.038	.04		
Manganese	0.075	.00045	.0093		
Molybdenum	0.050	.0031	.001		
Nickel	0.20	.0011	.007		
Potassium	25	.038	.22		
Selenium	0.25	.006	.0049		
Silver	0.050	.001	.0012		
Sodium	25	.029	.52		
Strontium	0.050	.00035	.002		
Thallium	0.050	.0042	.0058		
Tin	0.10	.0034	.014		
Titanium	0.10	.00095	.0015		
Vanadium	0.25	.0009	.0015		
Zinc	0.50	.00065	.017		

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12 04/09/12

Metal	TC5028-1 Original	DUP	RPD	QC Limits	TC5028-1 Original	MS	Spikelot MPITCLP5 % Rec	QC Limits
Aluminum								
Antimony	anr							
Arsenic	anr							
Barium	anr							
Beryllium	anr							
Boron								
Cadmium	anr							
Calcium								
Chromium	anr							
Cobalt								
Copper	anr							
Iron								
Lead	0.0087	0.0091	4.5	0-20	0.0087	1.8	2.0	89.6	75-125
Lithium								
Magnesium								
Manganese								
Molybdenum								
Nickel	anr							
Potassium								
Selenium	anr							
Silver	anr							
Sodium								
Strontium								
Thallium								
Tin								
Titanium								
Vanadium	anr							
Zinc	anr							

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	MSD	Spikelot MPITCLP5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.0087	1.8	2.0	89.6	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	BSP Result	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.6	2.0	80.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC3952R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: ug/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.74	4.79	175.3(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC3952-8R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC3952R
Account: SGTXD Southwest Geoscience
Project: Exide SS / 0112079A

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Gulf Coast ACCUTEST LABORATORIES

06/28/13



Technical Report for

Southwest Geoscience

Exide SS / 0112079A

Accutest Job Number: TC4461R

Sampling Date: 03/28/12

Report to:

Southwest Geoscience
2351 W. Northwest Highway Suite 3321
Dallas, TX 75220
jason.minter@southwestgeoscience.com; rusty.simpson@southwestgeoscience.com

ATTN: Jason Minter

Total number of pages in report: **31**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Richard Rodriguez
Laboratory Director

Client Service contact: Sylvia Garza 713-271-4700

Certifications: TX (T104704220-13-10) AR (12-029-0) AZ (AZ0769) FL (E87628) KS (E-10366) LA (85695/04004) OK (2012-059)

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Sample Summary

Southwest Geoscience

Exide SS / 0112079A

Job No: TC4461R

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
TC4461-6R	03/28/12	08:48		03/30/12	SO	Soil	E-11 0-0.25
TC4461-7R	03/28/12	08:51		03/30/12	SO	Soil	E-12 0-0.25
TC4461-8R	03/28/12	09:23		03/30/12	SO	Soil	E-13 0-0.25
TC4461-9R	03/28/12	09:27		03/30/12	SO	Soil	E-14 0-0.25
TC4461-12R	03/28/12	10:09		03/30/12	SO	Soil	O-15 0-0.25

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Southwest Geoscience **Job No** TC4461R

Site: Exide SS / 0112079A **Report Date** 6/28/2013 10:53:56 AM

5 Samples were collected on 03/28/2012 and received intact at Accutest on 03/30/2012 and properly preserved in at 4.6 Deg C. These Samples received an Accutest job number of TC4461R. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Metals By Method SW846 6010B

Matrix LEACHATE **Batch ID:** MP17284

- All samples were digested within the recommended method holding time.
- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) TC5028-1DUP, TC5028-1MS, TC5028-1MSD, TC5028-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Lead are outside control limits for sample MP17284-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Accutest Laboratories Gulf Coast (ALGC) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALGC and as stated on the COC. ALGC certifies that the data meets the Data QualityObjectives for precision, accuracy and completeness as specified in the ALGC Quality Manual except as noted above. This report is to be used in its entirety. ALGC is not responsible for any assumptions of data quality if partial data packages are used

Summary of Hits

Job Number: TC4461R
Account: Southwest Geoscience
Project: Exide SS / 0112079A
Collected: 03/28/12

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	MQL	SDL	Units	Method
TC4461-6R	**E-11 0-0.25**					
Lead		0.88	0.025	0.0089	mg/l	SW846 6010B
TC4461-7R	**E-12 0-0.25**					
Lead		0.50	0.025	0.0089	mg/l	SW846 6010B
TC4461-8R	**E-13 0-0.25**					
Lead		0.23	0.025	0.0089	mg/l	SW846 6010B
TC4461-9R	**E-14 0-0.25**					
Lead		0.073	0.025	0.0089	mg/l	SW846 6010B
TC4461-12R	**O-15 0-0.25**					
Lead		4.4	0.025	0.0089	mg/l	SW846 6010B

Gulf Coast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: E-11 0-0.25
Lab Sample ID: TC4461-6R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 69.9

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.88	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-12 0-0.25
Lab Sample ID: TC4461-7R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 70.4

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.50	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-13 0-0.25
Lab Sample ID: TC4461-8R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 70.7

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.23	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: E-14 0-0.25
Lab Sample ID: TC4461-9R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 67.3

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	0.073	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Report of Analysis

Client Sample ID: O-15 0-0.25
Lab Sample ID: TC4461-12R
Matrix: SO - Soil
Project: Exide SS / 0112079A

Date Sampled: 03/28/12
Date Received: 03/30/12
Percent Solids: 60.1

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	MQL	SDL	Units	DF	Prep	Analyzed	By	Method
Lead	4.4	D008	5.0	0.025	0.0089	mg/l	1	04/09/12	04/09/12	NS	SW846 6010B [1]

(1) Instrument QC Batch: MA6708
(2) Prep QC Batch: MP17284

MQL = Method Quantitation Limit SDL = Sample Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

U = Indicates a result < SDL
J = Indicates a result > = SDL but < MQL

Gulf Coast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- LRC Form

TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Manser

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Manser / Chris Mo
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: Pb 6010 8260 6010 / Cd 6010 8260 6010 / Dy weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 1 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
1	S	3-28-12	0749		X	D-11	0	0.25				1	
2			0755		X	D-12	0	0.25				1	
3			0805		X	D-13	0	0.25				1	
4			0823		X	D-14	0	0.25				1	
5			0830		X	D-15	0	0.25				1	
6			0848		X	E-11	0	0.25				1	
7			0851		X	E-12	0	0.25				1	
8			0923		X	E-13	0	0.25				1	
9			0927		X	E-14	0	0.25				1	
10	S	3-28-12	0932		X	E-15	0	0.25				1	

Turn around time: X Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1540	FEDEX	3-29-12	1540
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
FEDEX	3-29-12	17:02			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC4461R: Chain of Custody
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TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Mercer

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Mercer / Chris Hall
Sampler's Signature:

Proj. No.: 01120794
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: Pb (SW-846 #6010), Cd (SW-846 #6010), Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 2 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
11	S	3-28-12	1006		X	O-17	0	0.25				1	
12			1009		X	O-15	0	0.25				1	
13			1023		X	O-13	0	0.25				1	
14			1028		X	Q-13	0	0.25				1	
15			1050		X	Q-15	0	0.25				1	
16			1055		X	Q-11	0	0.25				1	
17			1100		X	Q-9	0	0.25				1	
18			1245		X	O-11	0	0.25				1	
19			1248		X	O-9	0	0.25				1	
20	S	3-28-12	1339		X	Q-8	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	03-29-12	1540		3-29-12	1540
Relinquished by (Signature) FEDEX	Date: 3-29-12	Time: 17:02	Received by: (Signature)	Date:	Time:
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

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TC4461R: Chain of Custody
Page 2 of 8

TC4461

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Office Location: Dallas
Project Manager: J. Munster

Sampler's Name: Jason Munster / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exodess
No/Type of Containers

ANALYSIS REQUESTED
PO 6W 5446 #6010
Col 6W 5446 #6010
DG weeks

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 3 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
21	S	3-28-12	1343		X	O-5	0	0.25				1	
22			1347		X	O-3	0	0.25				1	
23			1415		X	M-5	0	0.25				1	
24			1419		X	M-3	0	0.25				1	
25			1425		X	M-1	0	0.25				1	
26			1447		X	M-7	0	0.25				1	
27			1450		X	O-7	0	0.25				1	
28			1512		X	K-4	0	0.25				1	
29			1515		X	K-2	0	0.25				1	
30	S	3-28-12	1519		X	K-1	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1130		3-29-12	1130
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1540		3-29-12	1540
Relinquished by (Signature) FEDEX	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	17:02			
Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

SOUTHWEST GEOSCIENCE • 2351 W. Northwest Hwy., Suite 3321 • Dallas, Texas 75220 • Office: 214-350-5469 • Fax 214-350-2914

TC4461R: Chain of Custody
Page 3 of 8

TC4461 CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Munster

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Sampler's Name: Jason Munster / Chris Moore
Sampler's Signature:

Proj. No.: 0112079A
Project Name: Exide SS
No/Type of Containers

ANALYSIS REQUESTED: DO SW846 6010; Cd Se SW846 6010; Dry Weight

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 4 of 5

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
31	S	3-28-12	1600		X	B-18	0	0.25				1	
32			1607		X	C-18	0	0.25				1	
33			1620		X	E-18	0	0.25				1	
34			1625		X	E-20	0	0.25				1	
35			1632		X	E-22	0	0.25				1	
36			1648		X	C-20	0	0.25				1	
37			1652		X	C-22	0	0.25				1	
38			1702		X	G-18	0	0.25				1	
39			1721		X	G-20	0	0.25				1	
40	S	3-28-12	1724		X	I-18	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date	Time	Received by: (Signature)	Date	Time
	3-29-12	1130		3-29-12	1130
	3-29-12	1540		3-29-12	1540
Fedex	3-29-12	17:02			

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

TC4461R: Chain of Custody
Page 4 of 8

CHAIN OF CUSTODY RECORD

Southwest GEOSCIENCE
Environmental & Hydrogeologic Consultants

Office Location: Dallas
Project Manager: J. Murrell

Laboratory: Accutest
Address:
Contact:
Phone: 713-271-4700
PO/SO #:

Lab use only
Due Date:
Temp. of coolers when received (C°): 1 2 3 4 5
Page 5 of 5

Sampler's Name: Jason Murrell / Chris Moll
Sampler's Signature:

Proj. No.: 01120794
Project Name: Exxdess
No/Type of Containers

ANALYSIS REQUESTED
Pb SW-846 #6010
Cd SW-846 #6010
DG Weight

	Matrix	Date	Time	Comp	Grab	Identifying Marks of Sample(s)	Start Depth	End Depth	VOA	A/G 1 Lt.	250 ml	P/O	Lab Sample ID (Lab Use Only)
41	S	3-28-12	1727		X	I-20	0	0.25				1	
42	1	1	1804		X	M-19	0	0.25				1	
43	1	1	1809		X	K-19	0	0.25				1	
44	S	3-28-12	1813		X	K-20	0	0.25				1	

Turn around time: ☒ Normal ☐ 25% Rush ☐ 50% Rush ☐ 100% Rush

Relinquished by (Signature)	Date:	Time:	Received by: (Signature)	Date:	Time:
	3-29-12	1136		3-29-12	1130
Relinquished by (Signature)	3-29-12	1540	Received by: (Signature)	3-29-12	1540
Relinquished by (Signature) FedEx	3-29-12	17:02	Received by: (Signature)		
Relinquished by (Signature)			Received by: (Signature)		

NOTES:

Matrix: WW - Wastewater; W - Water; S - Soil; SD - Solid; L - Liquid; A - Air Bag; C - Charcoal tube; SL - sludge; O - Oil
Container: VOA - 40 ml vial; A/G - Amber / Or Glass 1 Liter; 250 ml - Glass wide mouth; P/O - Plastic or other

ACCUTEST LABORATORIES

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: TC4461 **Client:** SOUTHWEST GEOSCEINCE ENVIRONME **Project:** EXIDE SS

Date / Time Received: 3/30/2012 **Delivery Method:** **Airbill #'s:**

No. Coolers: 1 **Therm ID:** IRGUN4; **Temp Adjustment Factor:** -0.2;

Cooler Temps (Initial/Adjusted): #1: (4.8/4.6);

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservation	Y	or	N	N/A	WTB	STB
1. Trip Blank present / cooler:	☐		☐	☑	☐	☐
2. Trip Blank listed on COC:	☐		☐	☑		
3. Samples preserved properly:	☑		☐			
4. VOCs headspace free:	☐		☐	☑		

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Sample Receipt Log

Job #: TC4461 **Date / Time Received:** 3/30/2012 9:55:00 AM **Initials:** CM

Client: SOUTHWEST GEOSCEINCE ENVIRONMENTAL

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC4461-1	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-2	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-3	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-4	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-5	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-6	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-7	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-8	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-9	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-10	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-11	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-12	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-13	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-14	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-15	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-16	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-17	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-18	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-19	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-20	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-21	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-22	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-23	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6

Sample Receipt Log

Job #: TC4461 **Date / Time Received:** 3/30/2012 9:55:00 AM **Initials:** CM

Client: SOUTHWEST GEOSCEINCE ENVIRONMENTAL

Cooler #	Sample ID:	Vol	Bot #	Location	Pres	pH	Therm ID	Initial Temp	Therm CF	Corrected Temp
1	TC4461-24	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-25	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-26	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-27	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-28	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-29	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-30	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-31	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-32	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-33	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-34	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-35	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-36	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-37	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-38	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-39	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-40	4oz	1	2-29	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-41	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-42	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-43	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6
1	TC4461-44	4oz	1	2-28	N/P	Note #2 - Preservative check not applicable.	IRGUN4	4.8	-0.2	4.6

Appendix A Laboratory Data Package Cover Page

TC4461R This data package consists of

- ☐ This signature page, the laboratory review checklist, and the following reportable data:
- ☐ R1 Field chain-of-custody documentation;
- ☐ R2 Sample identification cross-reference;
- ☐ R3 Test reports (analytical data sheets) for each environmental sample that includes:
  - a) Items consistent with NELAC 5.13 or ISO/IEC 17025 Section 5.10
  - b) dilution factors,
  - c) preparation methods,
  - d) cleanup methods, and
  - e) if required for the project, tentatively identified compounds (TICs).
- ☐ R4 Surrogate recovery data including:
  - a) Calculated recovery (%R), and
  - b) The laboratory's surrogate QC limits.
- ☐ R5 Test reports/summary forms for blank samples;
- ☐ R6 Test reports/summary forms for laboratory control samples (LCSs) including:
  - a) LCS spiking amounts,
  - b) Calculated %R for each analyte, and
  - c) The laboratory's LCS QC limits.
- ☐ R7 Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  - a) Samples associated with the MS/MSD clearly identified,
  - b) MS/MSD spiking amounts,
  - c) Concentration of each MS/MSD analyte measured in the parent and
  - d) Calculated %Rs and relative percent differences (RPDs), and
  - e) The laboratory's MS/MSD QC limits
- ☐ R8 Laboratory analytical duplicate (if applicable) recovery and precision:
  - a) The amount of analyte measured in the duplicate,
  - b) The calculated RPD, and
  - c) The laboratory's QC limits for analytical duplicates.
- ☐ R9 List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each
- ☐ R10 Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Report. This data package has been reviewed by the laboratory and is complete and technically compliant with the requirements of the methods used, except where noted by the laboratory in the attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory as having the potential to affect the quality of the data, have been identified by the laboratory in the Laboratory Review Checklist, and no information or data have been knowingly withheld.

Check, if applicable: This laboratory meets an exception under 30 TAC&25.6 and was last inspection by

[ ] [X] TCEQ or [ ] _____ on April 2011. Any findings affecting the data in this laboratory data package are noted in the Exception Reports herein. The official signing the cover page of the report in which these data are used is responsible for releasing this data package and is by signature affirming the above release statement is true.

QA Manager

Name (Printed)	Signature	Official Title (printed)	Date
Richard Rodriguez		Laboratory Director	6/28/2013

LABORATORY REVIEW CHECKLIST: REPORTABLE DATA

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**					
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**					
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**					
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]	
R1	**OI**	**CHAIN-OF-CUSTODY (C-O-C):**							
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		X					
		Were all departures from standard conditions described in an exception report?		X					
R2	**OI**	**Sample and quality control (QC) identification**							
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?		X					
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?		X					
R3	**OI**	**Test reports**							
		Were samples prepared and analyzed within holding times?		X					
		Other than those results <MQL, were all other raw values bracketed by calibration standards?		X					
		Were calculations checked by a peer or supervisor?		X					
		Were all analyte identifications checked by a peer or supervisor?		X					
		Were sample detection limits reported for all analytes not detected?		X					
		Were all results for soil and sediment samples reported on a dry weight basis?				X			
		Were % moisture (or solids) reported for all soil and sediment samples?				X			
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?				X			
		If required for the project, are TIC's reported?				X			
R4	**O**	**Surrogate recovery data**							
		Were surrogates added prior to extraction?				X			
		Were surrogate percent recoveries in all samples within the laboratory QC limits?				X			
R5	**OI**	**Test reports/summary forms for blank samples**							
		Were appropriate type(s) of blanks analyzed?		X					
		Were blanks analyzed at the appropriate frequency?		X					
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?		X					
		Were blank concentrations <MQL?		X					
R6	**OI**	**Laboratory control samples (LCS):**							
		Were all COCs included in the LCS?		X					
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?		X					
		Were LCSs analyzed at required frequency?		X					
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?		X					
		Does the detectablility check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?		X					
		Was the LCSD RPD within QC limits?				X			
R7	**OI**	**Matrix spike (MS) and matrix spike duplicate (MSD) data**							
		Were the project/method specified analytes included in the MS and MSD?		X					
		Were MS/MSD analyzed at the appropriate frequency?		X					
		Were MS (and MSD, if applicable) %Rs within the laboratory QC Limits?		X					
		Were the MS/MSD RPDs within laboratory QC limits?		X					
R8	**OI**	**Analytical duplicate data**							
		Were appropriate analytical duplicates analyzed for each matrix?		X					
		Were analytical duplicates analyzed at the appropriate frequency?		X					
		Were RPDs or relative standard deviations within the laboratory QC limits?		X					
R9	**OI**	**Method quantitation limits (MQLs):**							
		Are the MQLs for each method analyte included in the laboratory data package?		X					
		Do the MQLs correspond to the concentration of the lowest non-zero calibration		X					
		Are unadjusted MQLs and DCSs included in the laboratory data package?			X			**2**	
R10	**OI**	**Other problems/anomalies**							
		Are all known problems/anomalies/special conditions noted in this LRC and ER?		X					
		Was applicable and available technology used to lower the SDL to minimize the		X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package?		X				**3**	

Laboratory Name:		**Accutest Gulf Coast**	LRC Date:	**6/28/2013**				
Project Name:		**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**				
Reviewer Name:		**Anita Patel**	Prep Batch Number(s):	**MP17284**				
#[1]	A[2]	DESCRIPTION		YES	NO	NA[3]	NR[4]	ER #[5]
S1	**OI**	**Initial calibration (ICAL)**						
		Were response factors and/or relative response factors for each analyte within QC limits?		X				
		Were percent RSDs or correlation coefficient criteria met?		X				
		Was the number of standards recommended in the method used for all analytes?		X				
		Were all points generated between the lowest and highest standard used to calculate the curve?		X				
		Are ICAL data available for all instruments used?		X				
		Has the initial calibration curve been verified using an appropriate second source standard?		X				
S2	**OI**	**Initial and continuing calibration verification (ICCV AND CCV) and continuing**						
		Was the CCV analyzed at the method-required frequency?		X				
		Were percent differences for each analyte within the method-required QC limits?		X				
		Was the ICAL curve verified for each analyte?		X				
		Was the absolute value of the analyte concentration in the inorganic CCB<MDL?		X				
S3	**O**	**Mass spectral tuning**						
		Was the appropriate compound for the method used for tuning?				X		
		Were ion abundance data within the method-required QC limits?				X		
S4	**O**	**Internal standards (IS)**						
		Were IS area counts and retention times within the method-required QC limits?				X		
S5	**OI**	**Raw data (NELAC Section 5.5.10)**						
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?		X				
		Were data associated with manual integrations flagged on the raw data?		X				
S6	**O**	**Dual column confirmation**						
		Did dual column confirmation results meet the method-required QC?				X		
S7	**O**	**Tentatively identified compounds (TICs):**						
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?				X		
S8	**I**	**Interference Check Sample (ICS) results**						
		Were percent recoveries within method QC limits?		X				
S9	**I**	**Serial dilutions, post digestion spikes, and method of standard additions**						
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?		X				**4**
S10	**OI**	**Method detection limit (MDL) studies**						
		Was a MDL study performed for each reported analyte?		X				
		Is the MDL either adjusted or supported by the analysis of DCSs?		X				
S11	**OI**	**Proficiency test reports**						
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?		X				
S12	**OI**	**Standards documentation**						
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate source?		X				
S13	**OI**	**Compound/analyte identification procedures**						
		Are the procedures for compound/analyte identification documented?		X				
S14	**OI**	**Demonstration of analyst competency (DOC)**						
		Was DOC conducted consistent with NELAC Chapter 5?		X				
		Is documentation of the analyst's competency up-to-date and on file?		X				
S15	**OI**	**Verification/validation documentation for methods (NELAC Chapter 5)**						
		Are all the methods used to generate the data documentated, verified, and validated, where applicable?		X				
S16	**OI**	**Laboratory standard operating procedures (SOPs)**						
		Are laboratory SOPs current and on file for each method performed?		X				

LABORATORY REVIEW CHECKLIST (continued): Exception Reports

Laboratory Name:	**Accutest Gulf Coast**	LRC Date:	**6/28/2013**
Project Name:	**Exide SS / 0112079A**	Laboratory Project Number:	**TC4461R**
Reviewer Name:	**Anita Patel**	Prep Batch Number(s):	**MP17284**

ER#[1]	Description
1	For reporting purposes, the MQL is defined in the report as the RL. The unadjusted MQL/RL is reported in the method blank. The SDL is defined in the report as the MDL.
2	For reporting purposes, the method blank represents the unadjusted MQL. The DCS is on file in the laboratory and is not included in the laboratory data package.
3	The laboratory is NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices, and methods associated with this laboratory data package for analytes that are listed in the Texas Fields of Accreditation.
4	All anomalies are discussed in the case narrative.

1ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked on

Gulf Coast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- Metals CCB MDL Check

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	1.0	.035	.061		
Antimony	0.025	.0028	.0051		
Arsenic	0.050	.005	.005		
Barium	5.0	.0008	.017		
Beryllium	0.025	.0005	.0008		
Boron	0.50	.002	.039		
Cadmium	0.020	.00075	.00045		
Calcium	25	.02	.12		
Chromium	0.050	.0011	.0014		
Cobalt	0.25	.0013	.0011		
Copper	0.13	.0012	.03		
Iron	0.50	.023	.12		
Lead	0.025	.0033	.0089	0.0021	<0.025
Lithium	1.5	.0033	.01		
Magnesium	25	.038	.04		
Manganese	0.075	.00045	.0093		
Molybdenum	0.050	.0031	.001		
Nickel	0.20	.0011	.007		
Potassium	25	.038	.22		
Selenium	0.25	.006	.0049		
Silver	0.050	.001	.0012		
Sodium	25	.029	.52		
Strontium	0.050	.00035	.002		
Thallium	0.050	.0042	.0058		
Tin	0.10	.0034	.014		
Titanium	0.10	.00095	.0015		
Vanadium	0.25	.0009	.0015		
Zinc	0.50	.00065	.017		

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12 04/09/12

Metal	TC5028-1 Original	DUP	RPD	QC Limits	TC5028-1 Original	MS	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	0.0087	0.0091	4.5	0-20	0.0087	1.8	2.0	89.6	75-125
Lithium									
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium	anr								
Zinc	anr								

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: mg/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	MSD	Spikelot MPITCLP5	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Boron						
Cadmium	anr					
Calcium						
Chromium	anr					
Cobalt						
Copper	anr					
Iron						
Lead	0.0087	1.8	2.0	89.6	0.0	20
Lithium						
Magnesium						
Manganese						
Molybdenum						
Nickel	anr					
Potassium						
Selenium	anr					
Silver	anr					
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium	anr					
Zinc	anr					

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284
Matrix Type: LEACHATE

Methods: SW846 6010B
Units: mg/l

Prep Date: 04/09/12

Metal	BSP Result	Spikelot MPITCLP5	% Rec	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.6	2.0	80.0	80-120
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: TC4461R
Account: SGTXD - Southwest Geoscience
Project: Exide SS / 0112079A

QC Batch ID: MP17284 Methods: SW846 6010B
Matrix Type: LEACHATE Units: ug/l

Prep Date: 04/09/12

Metal	TC5028-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Boron				
Cadmium	anr			
Calcium				
Chromium	anr			
Cobalt				
Copper	anr			
Iron				
Lead	1.74	4.79	175.3(a)	0-10
Lithium				
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	anr			
Silver	anr			
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium	anr			
Zinc	anr			

Associated samples MP17284: TC4461-6R, TC4461-7R, TC4461-8R, TC4461-9R, TC4461-12R

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Metals CCB MDL Check

Job Number: TC4461R
Account: SGTXD Southwest Geoscience
Project: Exide SS / 0112079A

The following elements are braketed by CCB's at or above the MDL.

Sample	Element	Run ID	Time	MDL	Units	CCB Before	CCB After

No CCB's found at or above MDL.

Calibration blank validation to the MDL is not a method requirement, but is included for information purposes only.

Data Usability Summary
Exide Recycling Center
April 21 & 22, 2015 Soil and Groundwater Sampling Event
TestAmerica Laboratories DATA PACKAGE 600-110445-1

Pastor, Behling & Wheeler, LLC reviewed one data package from TestAmerica Laboratories in Houston, Texas for the analysis of the soil and groundwater samples collected April 21 and 22, 2015 at the Exide Recycling Center facility, in Frisco, Texas. Data were reviewed for conformance to the requirements of the guidance document, *Review and Reporting of COC Concentration Data* (RG-366/TRRP-13) and adherence to project objectives. At the time the laboratory data were generated for the project, TestAmerica Laboratories was NELAC-accredited under the Texas Laboratory Accreditation Program for the matrices, analytes and methods of analysis requested on the chain-of-custody documentation.

Intended Use of Data: To provide current data on concentrations of COC's in groundwater and soil.

Analyses requested included:

- Method SW8260B-LL – Volatile Organic Compounds (GC/MS) (MTBE only)
- Method SW6010B – Metals (ICP)

Data were reviewed and validated as described in *Review and Reporting of COC Concentration Data,* (RG-366/TRRP-13) and the results of the review/validation are discussed in this Data Usability Summary (DUS). The following laboratory submittals and field data were examined:

- the reportable data,
- case narratives, and
- the field notes with respect to field instrument calibrations, filtering procedures, sampling procedures preservation procedures prior to shipping the samples to the laboratory.

The results of supporting quality control (QC) analyses were summarized in the Laboratory Review Checklists (LRCs), Exception Reports, and case narrative, all of which were included in this review.

Introduction

One (1) groundwater sample was collected and analyzed for arsenic. One (1) groundwater sample was collected and analyzed for MTBE. Two soil samples were collected and analyzed for arsenic. Table 1 lists the sample identifications cross-referenced to the laboratory identifications.

Project Objectives

Project QA/QC objectives were established as the TRRP-13 recommended control limits. For organic analytes, spike percent recoveries between 60% and 140%, relative percent differences (RPD) within 40%. Due to the limited number of samples collected for this event, and limited analytical program, field blank, field duplicate, and matrix spike/matrix spike duplicate samples were not included in the QA/QC program.

DATA REVIEW / VALIDATION RESULTS

Analytical Results

Qualified sample data are listed in Table 2. Non-detected results (ND) are reported as less than the value of the sample detection limit (SDL) as defined by the TRRP rule. Analytes detected between the SDL and the method quantitation limit (MQL) and were qualified with a "J-flag" to denote that the reported values were considered to be estimated.

Preservation and Holding Times

Samples were evaluated for agreement with the chain-of-custody (COC). Samples were received in appropriate containers in good condition. Paperwork was properly completed with the exception of the omission of the sample collection time on the COC. The sample collection time noted on the sample bottle was used. Sample receipt temperatures were within the acceptance criteria of 4±2°C. Samples were preserved in the field as specified in SW-846 Table 2-40(A) and 2-40(B). Samples were prepared and analyzed within holding times as specified in SW-846 Table 2-40(A) and 2-40(B).

Calibrations

No issues were noted with calibrations.

Blanks

No issues were noted with the laboratory blanks.

Surrogate Recoveries

All surrogate recoveries were within laboratory control limits.

Laboratory Control Samples

All laboratory control sample recoveries were within laboratory control limits.

Matrix Spike/Matrix Spike Duplicates

Project samples were not used for matrix spike/matrix spike duplicate evaluations, therefore the MS/MSD results reported in the laboratory report do not influence the usability of the data and an evaluation of the MS/MSD results is not included in this summary.

Field Precision

No field duplicate samples were collected during this sampling event.

Field Procedures

Samples were collected using documented SOPs. Groundwater samples were not filtered during sample collection (turbidity was <10 NTUs).

SUMMARY

The analytical data are usable for the purpose of determining current COC concentrations in the soil and groundwater at the affected property.

Table 1. Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification
VCP-MW-9	600-110445-6
VCP-MW-10	600-110445-7
TP-10-R	600-110445-1
TP-10J	600-110445-2

Table 2. Qualified Analytical Data

Field Identification	Analyte	Qualification	Reason for Qualification
VCP-MW-9	Arsenic	U	Analyte was not detected above the sample detection limit.
VCP-MW-9	Arsenic (dissolved)	J	Analyte was detected above the sample detection limit but below the method reporting limit.
J – Estimated data. U – Analyte was not detected above the sample detection limit.			

Prepared by: Tim Nickels Date: May 1, 2015

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Houston
6310 Rothway Street
Houston, TX 77040
Tel: (713)690-4444

TestAmerica Job ID: 600-110445-1
Client Project/Site: Exide Recycling Center, Frisco TX Projec

For:
Pastor, Behling & Wheeler LLC
2201 Double Creek Dr
Suite 4004
Round Rock, Texas 78664

Attn: Mr. Tim Nickels

SKudchadkar

Authorized for release by:
5/1/2015 11:22:59 AM

Sachin Kudchadkar, Senior Project Manager
(713)690-4444
sachin.kudchadkar@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Appendix A
Laboratory Data Package Cover Page - Page 1 of 4

This data package is for TestAmerica Houston job number 600-110445-1 and consists of:

- ☑ R1 - Field chain-of-custody documentation;
- ☑ R2 - Sample identification cross-reference;
- ☑ R3 - Test reports (analytical data sheets) for each environmental sample that includes:
  a. Items consistent with NELAC Chapter 5,
  b. dilution factors,
  c. preparation methods,
  d. cleanup methods, and
  e. if required for the project, tentatively identified compounds (TICs).
- ☑ R4 - Surrogate recovery data including:
  a. Calculated recovery (%R), and
  b. The laboratory's surrogate QC limits.
- ☑ R5 - Test reports/summary forms for blank samples;
- ☑ R6 - Test reports/summary forms for laboratory control samples (LCSs) including:
  a. LCS spiking amounts,
  b. Calculated %R for each analyte, and
  c. The laboratory's LCS QC limits.
- ☑ R7 - Test reports for project matrix spike/matrix spike duplicates (MS/MSDs) including:
  a. Samples associated with the MS/MSD clearly identified,
  b. MS/MSD spiking amounts,
  c. Concentration of each MS/MSD analyte measured in the parent and spiked samples,
  d. Calculated %Rs and relative percent differences (RPDs), and
  e. The laboratory's MS/MSD QC limits
- ☑ R8 - Laboratory analytical duplicate (if applicable) recovery and precision:
  a. The amount of analyte measured in the duplicate,
  b. The calculated RPD, and
  c. The laboratory's QC limits for analytical duplicates.
- ☑ R9 - List of method quantitation limits (MQLs) and detectability check sample results for each analyte for each method and matrix.
- ☑ R10 - Other problems or anomalies.

The Exception Report for each "No" or "Not Reviewed (NR)" item in Laboratory Review Checklist and for each analyte, matrix, and method for which the laboratory does not hold NELAC accreditation under the Texas Laboratory Accreditation Program.

Release Statement: I am responsible for the release of this laboratory data package. This laboratory is NELAC accredited under the Texas Laboratory Accreditation Program for all the methods, analytes, and matrices reported in this data package except as noted in the Exception Reports. The data have been reviewed and are technically compliant with the requirements of the methods used, except where noted by the laboratory in the Exception Reports. By my signature below, I affirm to the best of my knowledge all problems/anomalies observed by the laboratory have been identified in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Jeanette Castillo, for Sachin Kudchadkar	Jeanette Castillo	5/1/2015
Name (printed)	Signature	Date

Senior Project Manager
Official Title (printed)

Laboratory Review Checklist: Reportable Data - Page 2 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	5/1/2015
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-110445-1
Reviewer Name:	Jeanette Castillo, for Sachin Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
R1	OI	**Chain-of-custody (C-O-C)**					
		Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?	X				
		Were all departures from standard conditions described in an exception report?	X				
R2	OI	**Sample and quality control (QC) identification**					
		Are all field sample ID numbers cross-referenced to the laboratory ID numbers?	X				
		Are all laboratory ID numbers cross-referenced to the corresponding QC data?	X				
R3	OI	**Test reports**					
		Were all samples prepared and analyzed within holding times?	X				
		Other than those results < MQL, were all other raw values bracketed by calibration standards?	X				
		Were calculations checked by a peer or supervisor?	X				
		Were all analyte identifications checked by a peer or supervisor?	X				
		Were sample detection limits reported for all analytes not detected?	X				
		Were all results for soil and sediment samples reported on a dry weight basis?	X				
		Were % moisture (or solids) reported for all soil and sediment samples?	X				
		Were bulk soils/solids samples for volatile analysis extracted with methanol per SW846 Method 5035?			X		
		If required for the project, are TICs reported?			X		
R4	O	**Surrogate recovery data**					
		Were surrogates added prior to extraction?	X				
		Were surrogate percent recoveries in all samples within the laboratory QC limits?	X				
R5	OI	**Test reports/summary forms for blank samples**					
		Were appropriate type(s) of blanks analyzed?	X				
		Were blanks analyzed at the appropriate frequency?	X				
		Were method blanks taken through the entire analytical process, including preparation and, if applicable, cleanup procedures?	X				
		Were blank concentrations < MQL?	X				
R6	OI	**Laboratory control samples (LCS):**					
		Were all COCs included in the LCS?	X				
		Was each LCS taken through the entire analytical procedure, including prep and cleanup steps?	X				
		Were LCSs analyzed at the required frequency?	X				
		Were LCS (and LCSD, if applicable) %Rs within the laboratory QC limits?	X				
		Does the detectability check sample data document the laboratory's capability to detect the COCs at the MDL used to calculate the SDLs?	X				
		Was the LCSD RPD within QC limits?			X		
R7	OI	**Matrix spike (MS) and matrix spike duplicate (MSD) data**					
		Were the project/method specified analytes included in the MS and MSD?	X				
		Were MS/MSD analyzed at the appropriate frequency?	X				
		Were MS (and MSD, if applicable) %Rs within the laboratory QC limits?		X			R07C
		Were MS/MSD RPDs within laboratory QC limits?	X				
R8	OI	**Analytical duplicate data**					
		Were appropriate analytical duplicates analyzed for each matrix?	X				
		Were analytical duplicates analyzed at the appropriate frequency?	X				
		Were RPDs or relative standard deviations within the laboratory QC limits?		X			R08C
R9	OI	**Method quantitation limits (MQLs):**					
		Are the MQLs for each method analyte included in the laboratory data package?	X				
		Do the MQLs correspond to the concentration of the lowest non-zero calibration standard?	X				
		Are unadjusted MQLs and DCSs included in the laboratory data package?	X				
R10	OI	**Other problems/anomalies**					
		Are all known problems/anomalies/special conditions noted in this LRC and ER?	X				
		Was applicable and available technology used to lower the SDL to minimize the matrix interference effects on the sample results?		X			R10B
		Is the laboratory NELAC-accredited under the Texas Laboratory Accreditation Program for the analytes, matrices and methods associated with this laboratory data package?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review checklist: Supporting Data - Page 3 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	5/1/2015
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-110445-1
Reviewer Name:	Jeanette Castillo, for Sachin Kudchadkar		

#[1]	A[2]	Description	Yes	No	NA[3]	NR[4]	ER#[5]
S1	OI	**Initial calibration (ICAL)**					
		Were response factors and/or relative response factors for each analyte within QC limits?	X				
		Were percent RSDs or correlation coefficient criteria met?	X				
		Was the number of standards recommended in the method used for all analytes?	X				
		Were all points generated between the lowest and highest standard used to calculate the curve?	X				
		Are ICAL data available for all instruments used?	X				
		Has the initial calibration curve been verified using an appropriate second source standard?	X				
S2	OI	**Initial and continuing calibration verification (ICV and CCV) and continuing calibration blank (CCB):**					
		Was the CCV analyzed at the method-required frequency?	X				
		Were percent differences for each analyte within the method-required QC limits?	X				
		Was the ICAL curve verified for each analyte?	X				
		Was the absolute value of the analyte concentration in the inorganic CCB < MDL?	X				
S3	O	**Mass spectral tuning**					
		Was the appropriate compound for the method used for tuning?	X				
		Were ion abundance data within the method-required QC limits?	X				
S4	O	**Internal standards (IS)**					
		Were IS area counts and retention times within the method-required QC limits?	X				
S5	OI	**Raw data (NELAC Section 5.5.10)**					
		Were the raw data (for example, chromatograms, spectral data) reviewed by an analyst?	X				
		Were data associated with manual integrations flagged on the raw data?	X				
S6	O	**Dual column confirmation**					
		Did dual column confirmation results meet the method-required QC?			X		
S7	O	**Tentatively identified compounds (TICs)**					
		If TICs were requested, were the mass spectra and TIC data subject to appropriate checks?			X		
S8	I	**Interference Check Sample (ICS) results**					
		Were percent recoveries within method QC limits?	X				
S9	I	**Serial dilutions, post digestion spikes, and method of standard additions**					
		Were percent differences, recoveries, and the linearity within the QC limits specified in the method?	X				
S10	OI	**Method detection limit (MDL) studies**					
		Was a MDL study performed for each reported analyte?	X				
		Is the MDL either adjusted or supported by the analysis of DCSs?	X				
S11	OI	**Proficiency test reports**					
		Was the laboratory's performance acceptable on the applicable proficiency tests or evaluation studies?	X				
S12	OI	**Standards documentation**					
		Are all standards used in the analyses NIST-traceable or obtained from other appropriate sources?	X				
S13	OI	**Compound/analyte identification procedures**					
		Are the procedures for compound/analyte identification documented?	X				
S14	OI	**Demonstration of analyst competency (DOC)**					
		Was DOC conducted consistent with NELAC Chapter 5?	X				
		Is documentation of the analyst's competency up-to-date and on file?	X				
S15	OI	**Verification/validation documentation for methods (NELAC Chapter 5)**					
		Are all the methods used to generate the data documented, verified, and validated, where applicable?	X				
S16	OI	**Laboratory standard operating procedures (SOPs)**					
		Are laboratory SOPs current and on file for each method performed?	X				

1. Items identified by the letter "R" must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter "S" should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Exception Reports - Page 4 of 4

Laboratory Name:	TestAmerica Houston	LRC Date:	5/1/2015
Project Name:	Exide Recycling Center, Frisco TX Projec	Laboratory Job Number:	600-110445-1
Reviewer Name:	Jeanette Castillo, for Sachin Kudchadkar		

ER #[1]	Description
R07C	Method 6010B: 600-110414-B-1 MS/MSD failed the recovery criteria for the following analyte(s): Arsenic. Matrix interference is suspected.
R08C	Method 6010B: 600-110445-6 DU failed the RPD criteria for the following analyte(s): Arsenic, Dissolved. Method 6010B: 600-110650-A-1-B DU failed the RPD criteria for the following analyte(s): Arsenic.
R10B	Method 8260B: The following sample(s) was diluted to bring the concentration of target analytes within the calibration range: 600-110445-7. Elevated reporting limits (RLs) are provided.

1. Items identified by the letter “R” must be included in the laboratory data package submitted in the TRRP-required report(s). Items identified by the letter “S” should be retained and made available upon request for the appropriate retention period.
2. O = organic analyses; I = inorganic analyses (and general chemistry, when applicable);
3. NA = Not applicable;
4. NR = Not reviewed;
5. ER# = Exception Report identification number (an Exception Report should be completed for an item if “NR” or “No” is checked).

Matrix: Solid
Method: SW-846 6010B & SW-846 6010C
Prep Method: SW-846 3050B
Date Analyzed: 2/10/2015
Job #: 600-104865
TALS Batch: 155745
Units: mg/Kg

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Ag	Thermo6500	0.119	0.200	0.330	0.4
Al	Thermo6500	0.300	0.500	0.510	25
As	Thermo6500	0.218	0.500	0.435	1
B	Thermo6500	0.386	0.600	0.585	20
Ba	Thermo6500	0.030	0.030	0.500	1
Be	Thermo6500	0.015	0.020	0.020	0.25
Ca	Thermo6500	0.864	2.500	3.305	100
Cd	Thermo6500	0.026	0.050	0.055	0.25
Co	Thermo6500	0.068	0.100	0.095	0.5
Cr	Thermo6500	0.051	0.100	0.145	0.5
Cu	Thermo6500	0.174	0.500	0.430	0.5
Fe	Thermo6500	2.534	4.000	5.370	20
K	Thermo6500	10.999	12.000	15.950	100
Li	Thermo6500	0.008	0.010	0.120	10
Mg	Thermo6500	1.921	3.000	4.500	100
Mn	Thermo6500	0.038	0.050	0.070	1.5
Mo	Thermo6500	0.136	0.350	0.400	0.5
Na	Thermo6500	0.886	2.400	7.500	100
Ni	Thermo6500	0.117	0.150	0.140	1
Pb	Thermo6500	0.105	0.200	0.245	0.5
Sb	Thermo6500	0.232	0.450	0.905	2.5
Se	Thermo6500	0.259	0.500	0.560	2
Si	Thermo6500	0.117	0.270	0.355	10
Sn	Thermo6500	0.087	0.150	0.075	1
Sr	Thermo6500	0.003	0.005	1.020	0.25
Ti	Thermo6500	0.015	0.030	0.050	0.5
Tl	Thermo6500	0.277	0.700	0.660	1.5
V	Thermo6500	0.079	0.150	0.125	0.5
Zn	Thermo6500	0.108	0.200	0.315	1.5

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: SW-846 6010B, SW-846 6010C, & EPA 200.7
Prep Method: SW-846 3010A & EPA 200
Date Analyzed: 2/10/2015
Job #: 600-104865
TALS Batch: 155745
Units: mg/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Ag	Thermo6500	0.001	0.003	0.003	0.01
Al	Thermo6500	0.022	0.050	0.084	0.5
As	Thermo6500	0.003	0.009	0.008	0.01
B	Thermo6500	0.008	0.020	0.030	0.2
Ba	Thermo6500	0.002	0.005	0.009	0.02
Be	Thermo6500	0.001	0.002	0.005	0.005
Ca	Thermo6500	0.022	0.050	0.064	1
Cd	Thermo6500	0.000	0.001	0.001	0.005
Co	Thermo6500	0.001	0.001	0.001	0.01
Cr	Thermo6500	0.002	0.002	0.006	0.01
Cu	Thermo6500	0.001	0.002	0.008	0.01
Fe	Thermo6500	0.087	0.100	0.133	0.4
K	Thermo6500	0.129	0.300	0.172	1
Li	Thermo6500	0.002	0.005	0.011	0.2
Mg	Thermo6500	0.019	0.025	0.085	1
Mn	Thermo6500	0.001	0.002	0.003	0.01
Mo	Thermo6500	0.003	0.005	0.010	0.01
Na	Thermo6500	0.020	0.050	0.048	1
Ni	Thermo6500	0.002	0.005	0.006	0.01
Pb	Thermo6500	0.003	0.005	0.006	0.01
Sb	Thermo6500	0.006	0.010	0.014	0.05
Se	Thermo6500	0.004	0.010	0.013	0.04
Si	Thermo6500	0.008	0.020	0.015	0.2
Sn	Thermo6500	0.003	0.005	0.002	0.01
Sr	Thermo6500	0.000	0.001	0.002	0.005
Ti	Thermo6500	0.001	0.002	0.002	0.01
Tl	Thermo6500	0.008	0.020	0.015	0.03
V	Thermo6500	0.002	0.002	0.005	0.01
Zn	Thermo6500	0.002	0.005	0.005	0.03

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: SW-846 8260B_LL
Prep Method: SW-846 5030B
Date Analyzed: 1/12/2015
Job #: 600-104877
TALS Batch: 153483
Units: ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
1,1,1,2-Tetrachloroethane	CHVOAMS01	0.178	0.250	0.273	1
1,1,1-Trichloroethane	CHVOAMS01	0.209	0.250	0.208	1
1,1,2,2-Tetrachloroethane	CHVOAMS01	0.197	0.250	0.307	1
1,1,2-Trichloro-1,2,2-trifluoroethane	CHVOAMS01	0.210	0.250	0.193	1
1,1,2-Trichloroethane	CHVOAMS01	0.280	0.500	0.597	1
1,1-Dichloroethane	CHVOAMS01	0.168	0.250	0.221	1
1,1-Dichloroethene	CHVOAMS01	0.192	0.250	0.207	1
1,1-Dichloropropene	CHVOAMS01	0.191	0.250	0.209	1
1,2,3-Trichlorobenzene	CHVOAMS01	0.570	0.250	0.348	1
1,2,3-Trichloropropane	CHVOAMS01	0.290	0.500	0.684	1
1,2,3-Trimethylbenzene	CHVOAMS01	0.170	0.250	0.321	1
1,2,4-Trichlorobenzene	CHVOAMS01	0.177	0.250	0.362	1
1,2,4-Trimethylbenzene	CHVOAMS01	0.215	0.250	0.310	1
1,2-Dibromo-3-Chloropropane	CHVOAMS01	0.810	0.250	0.198	1
1,2-Dichlorobenzene	CHVOAMS01	0.153	0.250	0.353	1
1,2-Dichloroethane	CHVOAMS01	0.116	0.250	0.213	1
1,2-Dichloroethene, Total	CHVOAMS01	0.355	0.500	0.460	2
1,2-Dichloropropane	CHVOAMS01	0.136	0.250	0.223	1
1,3,5-Trichlorobenzene	CHVOAMS01	0.187	0.250	0.351	1
1,3,5-Trimethylbenzene	CHVOAMS01	0.210	0.250	0.313	1
1,3-Dichlorobenzene	CHVOAMS01	0.210	0.250	0.359	1
1,3-Dichloropropane	CHVOAMS01	0.220	0.250	0.294	1
1,3-Dichloropropene, Total	CHVOAMS01	0.273	0.500	0.500	1
1,4-Dichlorobenzene	CHVOAMS01	0.176	0.250	0.375	1
1,4-Dioxane	CHVOAMS01	5.391	10.000	7.023	50
1-Chlorohexane	CHVOAMS01	0.205	0.250	0.249	1
2,2-Dichloropropane	CHVOAMS01	0.258	0.500	0.421	1
2-Butanone (MEK)	CHVOAMS01	0.760	1.000	0.683	2
2-Chloro-1,3-butadiene	CHVOAMS01	0.330	0.500	0.394	1
2-Chloroethyl vinyl ether	CHVOAMS01	0.500	0.500	0.415	2
2-Chlorotoluene	CHVOAMS01	0.226	0.250	0.346	1
2-Hexanone	CHVOAMS01	0.265	0.500	0.482	2
2-Methyl-2-propanol	CHVOAMS01	1.820	2.500	2.296	20
2-Nitropropane	CHVOAMS01	0.367	0.500	0.295	2
3-Chloro-1-propene	CHVOAMS01	0.231	0.250	0.199	2
4-Chlorotoluene	CHVOAMS01	0.210	0.250	0.338	1
4-Isopropyltoluene	CHVOAMS01	0.228	0.250	0.333	1
4-Methyl-2-pentanone (MIBK)	CHVOAMS01	0.342	0.500	0.376	2
Acetone	CHVOAMS01	0.447	1.000	0.667	5
Acetonitrile	CHVOAMS01	1.755	2.500	2.488	10
Acrolein	CHVOAMS01	0.980	1.250	1.184	5
Acrylonitrile	CHVOAMS01	0.957	2.500	2.069	10
Alpha Methyl Styrene	CHVOAMS01	1.000	1.000	1.146	5
Benzene	CHVOAMS01	0.176	0.250	0.244	1
Benzyl chloride	CHVOAMS01	0.306	0.500	0.551	1
Bromobenzene	CHVOAMS01	0.195	0.250	0.345	1

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: SW-846 8260B_LL
Prep Method: SW-846 5030B
Date Analyzed: 1/12/2015
Job #: 600-104877
TALS Batch: 153483
Units: ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
Bromoform	CHVOAMS01	0.151	0.250	0.261	1
Bromomethane	CHVOAMS01	0.250	0.250	0.223	2
Butadiene	CHVOAMS01	0.282	0.500	0.382	1
Carbon disulfide	CHVOAMS01	0.216	0.250	0.238	2
Carbon tetrachloride	CHVOAMS01	0.183	0.250	0.192	1
Chlorobenzene	CHVOAMS01	0.185	0.250	0.332	1
Chlorobromomethane	CHVOAMS01	0.162	0.250	0.232	1
Chlorodibromomethane	CHVOAMS01	0.119	0.250	0.242	1
Chloroethane	CHVOAMS01	0.240	0.250	0.351	2
Chloroform	CHVOAMS01	0.151	0.250	0.228	1
Chloromethane	CHVOAMS01	0.209	0.250	0.252	2
cis-1,2-Dichloroethene	CHVOAMS01	0.157	0.250	0.226	1
cis-1,3-Dichloropropene	CHVOAMS01	0.160	0.250	0.262	1
Cyclohexane	CHVOAMS01	0.221	0.250	0.188	1
Dibromomethane	CHVOAMS01	0.520	0.250	0.219	1
Dichlorobromomethane	CHVOAMS01	0.153	0.250	0.199	1
Dichlorodifluoromethane	CHVOAMS01	0.859	0.250	0.130	1
Dichlorofluoromethane	CHVOAMS01	0.244	0.250	0.247	1
Ethanol	CHVOAMS01	18.804	25.000	6.712	50
Ethyl acetate	CHVOAMS01	0.378	0.500	0.495	2
Ethyl acrylate	CHVOAMS01	0.232	0.250	0.180	2
Ethyl ether	CHVOAMS01	0.103	0.250	0.206	1
Ethyl methacrylate	CHVOAMS01	0.260	0.500	0.440	2
Ethylbenzene	CHVOAMS01	0.212	0.250	0.277	1
Ethylene Dibromide	CHVOAMS01	0.111	0.250	0.247	1
Ethylene oxide	CHVOAMS01	2.493	2.500	2.961	10
Hexachlorobutadiene	CHVOAMS01	0.215	0.250	0.350	1
Hexane	CHVOAMS01	0.256	0.500	0.366	1
Iodomethane	CHVOAMS01	0.158	0.250	2.104	2
Isobutyl alcohol	CHVOAMS01	2.193	6.250	6.073	50
Isooctane	CHVOAMS01	0.257	0.500	0.386	1
Isopropyl alcohol	CHVOAMS01	3.720	5.000	4.597	10
Isopropyl ether	CHVOAMS01	0.141	0.250	0.219	1
Isopropylbenzene	CHVOAMS01	0.241	0.250	0.308	1
Methacrylonitrile	CHVOAMS01	1.165	2.500	1.865	10
Methyl acetate	CHVOAMS01	0.550	1.250	1.115	5
Methyl methacrylate	CHVOAMS01	0.220	0.500	0.343	2
Methyl tert-butyl ether	CHVOAMS01	0.105	0.250	0.198	1
Methylcyclohexane	CHVOAMS01	0.206	0.250	0.181	1
Methylene Chloride	CHVOAMS01	0.176	0.250	0.451	5
m-Xylene & p-Xylene	CHVOAMS01	0.205	0.250	0.281	1
Naphthalene	CHVOAMS01	0.129	0.250	0.318	2
n-Butyl acetate	CHVOAMS01	0.286	0.500	0.534	1
n-Butylbenzene	CHVOAMS01	0.212	0.250	0.310	1
n-Heptane	CHVOAMS01	0.265	0.500	0.397	1
N-Propylbenzene	CHVOAMS01	0.230	0.250	0.315	1

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Matrix: Water
Method: SW-846 8260B_LL
Prep Method: SW-846 5030B
Date Analyzed: 1/12/2015
Job #: 600-104877
TALS Batch: 153483
Units: ug/L

Analyte	Instrument #	MDL	DCS Spike	Measured Result	MQL
o-Xylene	CHVOAMS01	0.192	0.250	0.281	1
Propionitrile	CHVOAMS01	0.751	2.500	2.023	10
sec-Butylbenzene	CHVOAMS01	0.224	0.250	0.310	1
Styrene	CHVOAMS01	0.175	0.250	0.225	1
Tert-amyl methyl ether	CHVOAMS01	0.108	0.250	0.193	1
Tert-butyl ethyl ether	CHVOAMS01	0.125	0.250	0.199	1
tert-Butylbenzene	CHVOAMS01	0.216	0.250	0.316	1
Tetrachloroethene	CHVOAMS01	0.514	0.250	0.312	1
Tetrahydrofuran	CHVOAMS01	0.690	1.000	-0.669	5
Toluene	CHVOAMS01	0.198	0.250	0.308	1
trans-1,2-Dichloroethene	CHVOAMS01	0.192	0.250	0.228	1
trans-1,3-Dichloropropene	CHVOAMS01	0.137	0.250	0.236	1
trans-1,4-Dichloro-2-butene	CHVOAMS01	0.640	0.250	0.240	2
Trichloroethene	CHVOAMS01	0.138	0.250	0.225	1
Trichlorofluoromethane	CHVOAMS01	0.244	0.250	0.199	1
Trihalomethanes, Total	CHVOAMS01	0.566	1.000	0.930	5
Vinyl acetate	CHVOAMS01	0.854	1.000	0.751	2
Vinyl chloride	CHVOAMS01	0.248	0.250	0.200	2
Xylenes, Total	CHVOAMS01	0.366	0.500	0.560	2

DCS = Detection Check Standard
MQL = Method Quantitation Limit

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Job ID: 600-110445-1

Laboratory: TestAmerica Houston

Narrative

Job Narrative
600-110445-1

Comments
No additional comments.

Receipt
The samples were received on 4/23/2015 10:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.2º C.

GC/MS VOA
Method(s) 8260B: The following sample was diluted to bring the concentration of target analytes within the calibration range: MW-10 (600-110445-7). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Industrial Hygiene
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Method Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL HOU
6010B	Metals (ICP)	SW846	TAL HOU
6010B	Inductively Coupled Plasma - Atomic Emission Spectrometry	SW846	TAL HOU
Moisture	Percent Moisture	EPA	TAL HOU

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Sample Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
600-110445-1	TP-10-R	Solid	04/21/15 13:33	04/23/15 10:08
600-110445-2	TP-10 J	Solid	04/21/15 13:30	04/23/15 10:08
600-110445-6	MW-9	Water	04/22/15 08:10	04/23/15 10:08
600-110445-7	MW-10	Water	04/22/15 08:28	04/23/15 10:08

Client Sample ID: TP-10-R
Lab Sample ID: 600-110445-1
Date Collected: 04/21/15 13:33
Matrix: Solid
Date Received: 04/23/15 10:08
Percent Solids: 64.0

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.9		1.49	0.324	mg/Kg	☼	04/24/15 10:41	04/24/15 15:53	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	36		1.0	1.0	%			04/24/15 09:23	1
Percent Solids	64		1.0	1.0	%			04/24/15 09:23	1

Client Sample ID: TP-10 J
Lab Sample ID: 600-110445-2
Date Collected: 04/21/15 13:30
Matrix: Solid
Date Received: 04/23/15 10:08
Percent Solids: 66.6

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	14.9		1.40	0.306	mg/Kg	☼	04/29/15 14:33	04/30/15 11:25	1

General Chemistry

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	33		1.0	1.0	%			04/28/15 13:27	1
Percent Solids	67		1.0	1.0	%			04/28/15 13:27	1

Client Sample ID: MW-9
Lab Sample ID: 600-110445-6
Date Collected: 04/22/15 08:10
Matrix: Water
Date Received: 04/23/15 10:08

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry - Dissolved

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00430	J	0.0100	0.00328	mg/L		04/27/15 08:26	04/27/15 18:32	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/24/15 09:15	04/24/15 16:22	1

Client Sample ID: MW-10
Lab Sample ID: 600-110445-7
Date Collected: 04/22/15 08:28
Matrix: Water
Date Received: 04/23/15 10:08

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	57.7		10.0	1.05	ug/L			04/27/15 17:55	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*67 - 139*		*04/27/15 17:55*	*10*
Dibromofluoromethane	*92*		*62 - 130*		*04/27/15 17:55*	*10*
Toluene-d8 (Surr)	*96*		*70 - 130*		*04/27/15 17:55*	*10*
1,2-Dichloroethane-d4 (Surr)	*85*		*50 - 134*		*04/27/15 17:55*	*10*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.

Metals

Qualifier	Qualifier Description
U	Analyte was not detected at or above the SDL.
N1	MS, MSD: Spike recovery exceeds upper or lower control limits.
J	Result is less than the MQL but greater than or equal to the SDL and the concentration is an estimated value.
F	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Surrogate Summary

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		BFB	DBFM	TOL	12DCE
Lab Sample ID	Client Sample ID	(67-139)	(62-130)	(70-130)	(50-134)
600-110445-7	MW-10	100	92	96	85
600-110480-C-13 MS	Matrix Spike	102	90	94	80
600-110480-C-13 MSD	Matrix Spike Duplicate	101	89	92	79
LCS 600-161056/3	Lab Control Sample	106	90	97	76
MB 600-161056/5	Method Blank	103	88	98	80

Surrogate Legend

BFB = 4-Bromofluorobenzene

DBFM = Dibromofluoromethane

TOL = Toluene-d8 (Surr)

12DCE = 1,2-Dichloroethane-d4 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 600-161056/5
Matrix: Water
Analysis Batch: 161056

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.105	U	1.00	0.105	ug/L			04/27/15 11:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*67 - 139*		*04/27/15 11:50*	*1*
Dibromofluoromethane	*88*		*62 - 130*		*04/27/15 11:50*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/27/15 11:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*		*04/27/15 11:50*	*1*

Lab Sample ID: LCS 600-161056/3
Matrix: Water
Analysis Batch: 161056

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether			10.0	8.985		ug/L		90	56 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*67 - 139*
Dibromofluoromethane	*90*		*62 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*76*		*50 - 134*

Lab Sample ID: 600-110480-C-13 MS
Matrix: Water
Analysis Batch: 161056

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Methyl tert-butyl ether	1050	U	100000	97380		ug/L		97	56 - 132		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*67 - 139*
Dibromofluoromethane	*90*		*62 - 130*
Toluene-d8 (Surr)	*94*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*80*		*50 - 134*

Lab Sample ID: 600-110480-C-13 MSD
Matrix: Water
Analysis Batch: 161056

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	1050	U	100000	92530		ug/L		93	56 - 132	5	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*67 - 139*
Dibromofluoromethane	*89*		*62 - 130*
Toluene-d8 (Surr)	*92*		*70 - 130*
1,2-Dichloroethane-d4 (Surr)	*79*		*50 - 134*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 600-160946/1-A
Matrix: Water
Analysis Batch: 160980

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 160946

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/24/15 09:15	04/24/15 15:24	1

Lab Sample ID: MB 600-160946/1-A
Matrix: Water
Analysis Batch: 160969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 160946

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.00328	U	0.0100	0.00328	mg/L		04/24/15 09:15	04/24/15 16:15	1

Lab Sample ID: LCS 600-160946/2-A
Matrix: Water
Analysis Batch: 160980

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.060		mg/L		106	80 - 120

Lab Sample ID: LCS 600-160946/2-A
Matrix: Water
Analysis Batch: 160969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.044		mg/L		104	80 - 120

Lab Sample ID: 600-110414-B-1-C MS
Matrix: Water
Analysis Batch: 160980

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.00328	U	1.00	1.415	N1	mg/L		142	75 - 125

Lab Sample ID: 600-110414-B-1-D MSD
Matrix: Water
Analysis Batch: 160980

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.00328	U	1.00	1.397	N1	mg/L		140	75 - 125	1	20

Lab Sample ID: 600-110414-B-1-B DU
Matrix: Water
Analysis Batch: 160980

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.00328	U	0.00328	U	mg/L		NC	20

Lab Sample ID: 600-110414-B-1-B DU
Matrix: Water
Analysis Batch: 160969

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 160946

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.00328	U	0.00328	U	mg/L		NC	20

Lab Sample ID: MB 600-160960/1-A
Matrix: Solid
Analysis Batch: 160969

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 160960

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		04/24/15 10:41	04/24/15 15:44	1

Lab Sample ID: LCSSRM 600-160960/2-A
Matrix: Solid
Analysis Batch: 160969

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 160960

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	151	154.0		mg/Kg		102.0	80.8 - 119.9

Lab Sample ID: 600-110410-A-1-C MS
Matrix: Solid
Analysis Batch: 160969

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 160960

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	5.71		49.0	62.59		mg/Kg	☼	116	75 - 125

Lab Sample ID: 600-110410-A-1-B DU
Matrix: Solid
Analysis Batch: 160969

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 160960

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	5.71		5.549		mg/Kg	☼	3	20

Lab Sample ID: MB 600-161298/1-A
Matrix: Solid
Analysis Batch: 161381

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 161298

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.218	U	1.00	0.218	mg/Kg		04/29/15 14:33	04/30/15 11:20	1

Lab Sample ID: LCSSRM 600-161298/2-A
Matrix: Solid
Analysis Batch: 161381

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 161298

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	151	146.8		mg/Kg		97.2	80.8 - 119.9

Lab Sample ID: 600-110650-A-1-C MS
Matrix: Solid
Analysis Batch: 161381

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 161298

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	15.3		50.0	70.50		mg/Kg		110	75 - 125

Lab Sample ID: 600-110650-A-1-B DU
Matrix: Solid
Analysis Batch: 161381

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 161298

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	15.3		4.519	F	mg/Kg		109	20

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry

Lab Sample ID: MB 600-161004/1-B — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 161102 — **Prep Batch: 161045**

Analyte	MB Result	MB Qualifier	MQL (Adj)	SDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic, Dissolved	0.00328	U	0.0100	0.00328	mg/L		04/27/15 08:26	04/27/15 18:27	1

Lab Sample ID: LCS 600-161004/2-B — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 161102 — **Prep Batch: 161045**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic, Dissolved			1.00	1.039		mg/L		104	80 - 120		

Lab Sample ID: 600-110445-6 MS — **Client Sample ID: MW-9**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 161102 — **Prep Batch: 161045**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic, Dissolved	0.00430	J	1.00	1.093		mg/L		109	75 - 125		

Lab Sample ID: 600-110445-6 MSD — **Client Sample ID: MW-9**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 161102 — **Prep Batch: 161045**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic, Dissolved	0.00430	J	1.00	1.089		mg/L		108	75 - 125	0	20

Lab Sample ID: 600-110445-6 DU — **Client Sample ID: MW-9**
Matrix: Water — **Prep Type: Dissolved**
Analysis Batch: 161102 — **Prep Batch: 161045**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Arsenic, Dissolved	0.00430	J		0.003300	J	mg/L				26	20

Method: Moisture - Percent Moisture

Lab Sample ID: 600-110415-C-3 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 160948

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	34			32		%				7	20
Percent Solids	66			68		%				3	20

Lab Sample ID: 600-110533-A-1 DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 161187

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	21			22		%				4	20
Percent Solids	79			78		%				1	20

Unadjusted Detection Limits

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	MQL	MDL	Units	Method
Methyl tert-butyl ether	1.00	0.105	ug/L	8260B

Method: 6010B - Inductively Coupled Plasma - Atomic Emission Spectrometry - Dissolved

Analyte	MQL	MDL	Units	Method
Arsenic, Dissolved	0.0100	0.00328	mg/L	6010B

Method: 6010B - Metals (ICP)

Analyte	MQL	MDL	Units	Method
Arsenic	1.00	0.218	mg/Kg	6010B
Arsenic	0.0100	0.00328	mg/L	6010B

General Chemistry

Analyte	MQL	MDL	Units	Method
Percent Moisture	1.0	1.0	%	Moisture
Percent Solids	1.0	1.0	%	Moisture

GC/MS VOA

Analysis Batch: 161056

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-7	MW-10	Total/NA	Water	8260B	
600-110480-C-13 MS	Matrix Spike	Total/NA	Water	8260B	
600-110480-C-13 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	
LCS 600-161056/3	Lab Control Sample	Total/NA	Water	8260B	
MB 600-161056/5	Method Blank	Total/NA	Water	8260B	

Metals

Prep Batch: 160946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110414-B-1-B DU	Duplicate	Total/NA	Water	3010A	
600-110414-B-1-C MS	Matrix Spike	Total/NA	Water	3010A	
600-110414-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	3010A	
600-110445-6	MW-9	Total/NA	Water	3010A	
LCS 600-160946/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 600-160946/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 160960

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110410-A-1-B DU	Duplicate	Total/NA	Solid	3050B	
600-110410-A-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
600-110445-1	TP-10-R	Total/NA	Solid	3050B	
LCSSRM 600-160960/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-160960/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 160969

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110410-A-1-B DU	Duplicate	Total/NA	Solid	6010B	160960
600-110410-A-1-C MS	Matrix Spike	Total/NA	Solid	6010B	160960
600-110414-B-1-B DU	Duplicate	Total/NA	Water	6010B	160946
600-110445-1	TP-10-R	Total/NA	Solid	6010B	160960
600-110445-6	MW-9	Total/NA	Water	6010B	160946
LCS 600-160946/2-A	Lab Control Sample	Total/NA	Water	6010B	160946
LCSSRM 600-160960/2-A	Lab Control Sample	Total/NA	Solid	6010B	160960
MB 600-160946/1-A	Method Blank	Total/NA	Water	6010B	160946
MB 600-160960/1-A	Method Blank	Total/NA	Solid	6010B	160960

Analysis Batch: 160980

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110414-B-1-B DU	Duplicate	Total/NA	Water	6010B	160946
600-110414-B-1-C MS	Matrix Spike	Total/NA	Water	6010B	160946
600-110414-B-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	6010B	160946
LCS 600-160946/2-A	Lab Control Sample	Total/NA	Water	6010B	160946
MB 600-160946/1-A	Method Blank	Total/NA	Water	6010B	160946

Filtration Batch: 161004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-6	MW-9	Dissolved	Water	FILTRATION	
600-110445-6 DU	MW-9	Dissolved	Water	FILTRATION	
600-110445-6 MS	MW-9	Dissolved	Water	FILTRATION	

Metals (Continued)

Filtration Batch: 161004 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-6 MSD	MW-9	Dissolved	Water	FILTRATION	
LCS 600-161004/2-B	Lab Control Sample	Dissolved	Water	FILTRATION	
MB 600-161004/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 161045

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-6	MW-9	Dissolved	Water	3010A	161004
600-110445-6 DU	MW-9	Dissolved	Water	3010A	161004
600-110445-6 MS	MW-9	Dissolved	Water	3010A	161004
600-110445-6 MSD	MW-9	Dissolved	Water	3010A	161004
LCS 600-161004/2-B	Lab Control Sample	Dissolved	Water	3010A	161004
MB 600-161004/1-B	Method Blank	Dissolved	Water	3010A	161004

Analysis Batch: 161102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-6	MW-9	Dissolved	Water	6010B	161045
600-110445-6 DU	MW-9	Dissolved	Water	6010B	161045
600-110445-6 MS	MW-9	Dissolved	Water	6010B	161045
600-110445-6 MSD	MW-9	Dissolved	Water	6010B	161045
LCS 600-161004/2-B	Lab Control Sample	Dissolved	Water	6010B	161045
MB 600-161004/1-B	Method Blank	Dissolved	Water	6010B	161045

Prep Batch: 161298

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-2	TP-10 J	Total/NA	Solid	3050B	
600-110650-A-1-B DU	Duplicate	Total/NA	Solid	3050B	
600-110650-A-1-C MS	Matrix Spike	Total/NA	Solid	3050B	
LCSSRM 600-161298/2-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 600-161298/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 161381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-2	TP-10 J	Total/NA	Solid	6010B	161298
600-110650-A-1-B DU	Duplicate	Total/NA	Solid	6010B	161298
600-110650-A-1-C MS	Matrix Spike	Total/NA	Solid	6010B	161298
LCSSRM 600-161298/2-A	Lab Control Sample	Total/NA	Solid	6010B	161298
MB 600-161298/1-A	Method Blank	Total/NA	Solid	6010B	161298

General Chemistry

Analysis Batch: 160948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110415-C-3 DU	Duplicate	Total/NA	Solid	Moisture	
600-110445-1	TP-10-R	Total/NA	Solid	Moisture	

Analysis Batch: 161187

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
600-110445-2	TP-10 J	Total/NA	Solid	Moisture	
600-110533-A-1 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Pastor, Behling & Wheeler LLC
Project/Site: Exide Recycling Center, Frisco TX Projec

TestAmerica Job ID: 600-110445-1

Client Sample ID: TP-10-R

Lab Sample ID: 600-110445-1

Date Collected: 04/21/15 13:33
Matrix: Solid
Date Received: 04/23/15 10:08
Percent Solids: 64.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			160960	04/24/15 10:41	NER	TAL HOU
Total/NA	Analysis	6010B		1	160969	04/24/15 15:53	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	160948	04/24/15 09:23	MJB	TAL HOU

Client Sample ID: TP-10 J

Lab Sample ID: 600-110445-2

Date Collected: 04/21/15 13:30
Matrix: Solid
Date Received: 04/23/15 10:08
Percent Solids: 66.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			161298	04/29/15 14:33	NER	TAL HOU
Total/NA	Analysis	6010B		1	161381	04/30/15 11:25	DCL	TAL HOU
Total/NA	Analysis	Moisture		1	161187	04/28/15 13:27	MJB	TAL HOU

Client Sample ID: MW-9

Lab Sample ID: 600-110445-6

Date Collected: 04/22/15 08:10
Matrix: Water
Date Received: 04/23/15 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			161004	04/24/15 16:26	NER	TAL HOU
Dissolved	Prep	3010A			161045	04/27/15 08:26	NER	TAL HOU
Dissolved	Analysis	6010B		1	161102	04/27/15 18:32	DCL	TAL HOU
Total/NA	Prep	3010A			160946	04/24/15 09:15	NER	TAL HOU
Total/NA	Analysis	6010B		1	160969	04/24/15 16:22	DCL	TAL HOU

Client Sample ID: MW-10

Lab Sample ID: 600-110445-7

Date Collected: 04/22/15 08:28
Matrix: Water
Date Received: 04/23/15 10:08

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		10	161056	04/27/15 17:55	WS1	TAL HOU

Laboratory References:

TAL HOU = TestAmerica Houston, 6310 Rothway Street, Houston, TX 77040, TEL (713)690-4444

Certification Summary

Client: Pastor, Behling & Wheeler LLC
TestAmerica Job ID: 600-110445-1
Project/Site: Exide Recycling Center, Frisco TX Projec

Laboratory: TestAmerica Houston

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

Authority	Program	EPA Region	Certification ID	Expiration Date
Arkansas DEQ	State Program	6	88-0759	08-04-15
Louisiana	NELAP	6	30643	06-30-15
Oklahoma	State Program	6	1309	08-31-15
Texas	NELAP	6	T104704223	10-31-15
USDA	Federal		P330-14-00192	06-06-17
Utah	NELAP	8	TX00083	11-30-15

CHAIN-OF-CUSTODY RECORD AND REQUEST FOR ANALYSIS

PASTOR, BEHLING & WHEELER, LLC

1490

X Round Rock Office
2201 Double Creek Drive, Suite 4004
Round Rock, TX 78664
Tel: (512)671-3434
Fax: (512)671-3446

☐ Port Lavaca Office
131 N. Virginia, Suite B
Port Lavaca, TX 77979
Tel: (361)553-6442
Fax: (361)553-6449

COC No.
☐ Texarkana Office
2407 Moores Lane
Texarkana, TX 75503
Tel: (903)794-0625
Fax: (903)794-0626

PROJECT NO.: 1824 PROJECT NAME: Exide VCP J Parcel PAGE: 1 OF: 1

SAMPLER (Signature): PROJECT MANAGER: Tim Nickels - TM - Sachin DATE: 4/22/15

METHOD OF SHIPMENT: Fed Ex CARRIER/WAYBILL NO.: DESTINATION:

SAMPLES														ANALYSIS REQUEST						
		Sample Collection			Preservation					Containers			Constituents/Methods				Handling			Remarks
Lab No.	Field Sample Identification	DATE	TIME	Matrix*	HCl	HNO_3	H_2SO_4	COLD	FILTRATION*	VOLUME (ml/oz)	TYPE*	NO.	6010 Arsenic Total	6010 Arsenic Dissolved	6010 Arsenic	8021 MTBE	HOLD	RUSH	STANDARD	
	TP-10-R	4/21/15	13:33	S				X		2	G	1	X					X		2 day TAT
	TP-10J	↓	13:30	↓				↓		↓	↓	1					X			Hold
	TP-10K		13:26									1					X			Hold
	TP-10L		13:35									1					X			Hold
	TP-10M	↓	13:40	↓						↓	↓	1					X			Hold
	MW-9	4/22/15	08:10	W		X			U	500	P	2		XX				X		5 day TAT
	MW-10	4/22/15	08:28	↓	X			↓		40	G	3			X			X		5 day TAT
					TOTAL NUMBER OF CONTAINERS								LABORATORY COMMENTS/CONDITION OF SAMPLES							Cooler Temp:

RELINQUISHED BY:			DATE	TIME	RECEIVED BY:		
SIGNATURE	PRINTED NAME	COMPANY			SIGNATURE	PRINTED NAME	COMPANY
	Tim Nickels	PBW	4/22/15	16:00	Fed Ex		
			4-23-15	1008		Scranton	LABORATORY

*KEY Matrix: AQ - aqueous NA - nonaqueous SO - soil SL - sludge P - petroleum A - air OT - other Containers: P - plastic G - glass T - teflon B - brass OT - other Filtration: F - filtered U - unfiltered

DISTRIBUTION: PINK: Field Copy YELLOW: Laboratory Copy WHITE: Return to Originator

600-110445 Chain of Custody

TestAmerica Houston

Sample Receipt Checklist

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Date/Time Received: _____

JOB NUMBER: 600 110445 — CLIENT: PBW

UNPACKED BY: _____ CARRIER/DRIVER: Fed Ex

Custody Seal Present: ☐ NO ☒ Number of Coolers Received: 1

Cooler ID	Temp Blank	Trip Blank	Observed Temp (°C)	Therm ID	Them CF	Corrected Temp (°C)
RW	Y / N	Y / N	1.3	539	-.1	1.2
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				
	Y / N	Y / N				

CF = correction factor

Samples received on ice? ☒ YES ☐ NO

LABORATORY PRESERVATION OF SAMPLES REQUIRED: ☐ NO ☐ YES

Base samples are>pH 12: ☐ YES ☐ NO Acid preserved are<pH 2: ☐ YES ☐ NO

pH paper Lot # HC432054

VOA headspace acceptable (5-6mm): ☐ YES ☐ NO ☐ NA

	YES	NO
Did samples meet the laboratory's standard conditions of sample acceptability upon receipt?		

COMMENTS:

4/23/15

Login Sample Receipt Checklist

Client: Pastor, Behling & Wheeler LLC

Job Number: 600-110445-1

Login Number: 110445

List Source: TestAmerica Houston

List Number: 1

Creator: Capps, Dana R

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.2
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	Check done at department level as required.