Texas Commission on Environmental Quality

Remediation Division Correspondence Identification Form

SITE & PROGRAM AREA IDENTIFICATION

SITE LOCATION				REMEDIATION DIVISION PROGRAM AND FACILITY IDENTIFICATION	
Site Name:	**Frisco Community Development Corporation Site**			Is This Site Being Managed Under A State Lead Contract? ☐ Yes ☑ No	
Address 1:	**7471 Old Fifth Street**			Program Area:	**IHW CORRECTIVE ACTION**
Address 2:				Mail Code:	**MC-127**
City:	**Frisco**	State:	**Texas**	Is This A New Site To This Program Area? ☐ Yes ☑ No	
Zip Code:	**75034**	County:	**Collin**	**TCEQ Facility ID No.:**	**SWR 30516**
TCEQ Region:	**Region 4 - Dallas/Fort Worth**			**--Leave This Field Blank--**	**--Leave This Field Blank--**

DOCUMENT(S) IDENTIFICATION

	PHASE OF REMEDIATION	DOCUMENT NAME
1.	**MISCELLANEOUS**	**STATUS REPORT**
2.		
3.		
4.		
5.		

CONTACT INFORMATION

RESPONSIBLE PARTY/APPLICANT/CUSTOMER

Name:	**Mack Borchardt**				
Company:	**City of Frisco**	Phone Number:	**(972) 292-5127**	Fax Number:	
Address 1:	**6101 Frisco Square Blvd**	City:	**Frisco**	State: **TX**	Zip Code: **75034**
Address 2:		Email Address:	**mborchardt@friscotexas.gov**		

ENVIRONMENTAL CONSULTANT/REPORT PREPARER/AGENT

Name:	**Timothy Jennings, PG**				
Company:	**WSP USA, Inc.**	Phone Number:	**(512) 694-0235**	Fax Number:	
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Address 2:		Email Address:	**timothy.jennings@wsp.com**		

TCEQ INTERNAL USE ONLY

Document No.	TCEQ Database Term	Document No.	TCEQ Database Term
1.	**STATUS UPDATE**	4.	
2.		5.	
3.			

January 16, 2024 Project No. GL20409062.000

Gerald F. Wick, P.G.
Texas Commission on Environmental Quality
Industrial & Hazardous Waste Permits Section
Waste Permit Division
MQ-130
12100 Park 35 Circle
Austin, Texas 78753

RE: STATUS REPORT THROUGH DECEMBER 2023
UTILITY REPLACEMENT SOIL EXCAVATION INTERIM ACTION
FRISCO COMMUNITY DEVELOPMENT CORPORATION, 7471 OLD FIFTH ST, FRISCO, TEXAS
TCEQ SWR NO. 30516, CN600129779, RN100218643
TCEQ HAZARDOUS WASTE PERMIT NO. 50206

DEAR MR. WICK:

WSP USA Inc. (WSP) on behalf of the Frisco Community Development Corporation (FCDC) has prepared this December 2023 Status Report for the Utility Replacement Soil Excavation Interim Action performed for the Frisco Community Development Site (FCDS) located at 7471 Old Fifth St, Frisco, Texas (Site). The location of the Site is presented in **Figure 1**. This status report provides information and data related to the soil response actions not included in the September 2023 status report.

1.0 PROJECT BACKGROUND

The Site, previously owned and operated by Exide Technologies, was purchased by the FCDC on October 26, 2020. The City of Frisco began installation of a new water line and replacement of a sewer line on land owned by the City of Frisco (Frisco) and/or the FCDC at the Site. As the FCDS is a former oxide manufacturing, battery recycling and secondary lead smelting facility undergoing remediation activities under a Texas Commission on Environmental Quality (TCEQ) Resource Conservation and Recovery Act (RCRA) permit, WSP submitted a *Utility Replacement Soil Excavation Interim Action Work Plan* (Work Plan) in December 2022. The work plan detailed soil management practices to be implemented during soil excavation/removal activities and subsequent confirmation sampling as part of the installation of the proposed utilities. The Work Plan was approved by TCEQ on May 11, 2023.

As described in the approved Work Plan, the proposed utility placement right-of-way (ROW) transected areas containing antimony, arsenic, cadmium, lead, and selenium at concentrations exceeding Texas Risk Reduction Program (TRRP) protective concentration levels (PCLs) for commercial/industrial land use. Soil confirmation

samples collected during soil excavation activities demonstrate that metal-affected surface soils (0-5') have been removed to the vertical extent from excavated areas, such that residual metal concentration in surface soils are below applicable TRRP critical PCLs for commercial/industrial land use. Details of excavation activities and subsequent soil confirmation sampling are summarized below.

2.0 EXCAVATION OF AFFECTED AREAS

2.1 Excavation and Stockpiling

As described in the September 2023 Status Report, soil excavation activities were conducted from July 2023 into September 2023 by Remediation Services, Inc. contracted directly to FCDC with WSP providing excavation oversight. Interim Action excavation of the affected areas was implemented due to proposed construction activities to take place in the affected areas for the installation of underground utilities. Although initial excavation was performed on Affected Property No. 5 (North CAMU Area) for the water line installation, to-date, only the affected properties across the sewer line right-of-way (ROW) have been fully addressed (Affected Property Nos. 3 (South Area), 4 (Crystallizer Way), and 9 (Entrance Driveway to former Crystallizer Way)) and are therefore the subject of this Status Report.

Approximately 7,100 cubic yards (an initial approximately 900 cubic yards of soil characterized in-place prior to excavation and an additional 122 stockpiles of approximately 50 cubic yards each) of soil was excavated from the sewer line corridor and Affected Property No. 5 on the water line ROW. Excavated soils were managed in accordance with the site's Waste Analysis Plan (Golder, November 2019) for waste characterization and classification. A Site layout illustrating the excavation areas is presented in **Figure 2**.

2.2 Dust Suppression and Monitoring

Dust suppression measures implemented during soil excavation activities were continued during soil stockpile management treatment at the FOP. Air quality was monitored during all potential dust generating activities as specified by the Air Monitoring Pan utilizing E-Samplers. Air monitoring included upwind and downwind real-time measurements of wind speed, wind direction and particulate matter at the perimeter of the FOP/RCA soil management area. Air monitoring was established to ensure dust generating activities did not present an undue risk to off-site receptors.

Review of air monitoring results, including those from collected during soil management and treatment activities indicate that no particulate concentrations exceeded Take Action or Stop Work Levels, respectively. Air monitoring summary reports and laboratory analytical reports with Data Usability Summaries (DUS) are included as **Attachment A** to this status report. Air monitoring data summary is provided in **Table 1**.

3.0 EXCAVATION SAMPLING AND RESULTS

3.1 Soil Confirmation Sampling

No confirmation samples were collected after submittal of the September 2023 Status Report. Response Action Objectives were met within the utility corridor and non-validated verification sample data were submitted with that Status Report. Those laboratory reports have now been validated and are resubmitted in **Attachment B** of this Status Report with their respective DUS.

3.2 Confirmation Sample Analytical Results

As stated above no confirmation samples were collected after submittal of the September 2023 Status Report. As documented in the September 2023 Status report, a total of 50 confirmation soil samples were collected from the utility ROW excavation area. Soil confirmation analytical results are provided in **Table 2**. The approximate extent of the excavation areas and soil confirmation sample locations area presented in **Figure 2**. Laboratory analytical data packages with Data Usability Summaries are provided in **Attachment B**.

3.3 Soil Stockpile Sampling

As reported in the September 2023 Status Report, a total of 122 stockpiles consisting of soil excavated from the utility corridor were placed on the FOP for characterization. Characterization sampling consisted of one 5-point composite sample from each 50-cubic yard stockpile following procedures discussed in the Utility Replacement Soil Excavation Interim Action Work Plan and as prescribed by the Waste Analysis Plan (WAP - Attachment Q to the Part B Permit Application). Stockpile characterization samples were placed in laboratory supplied jars, placed on ice, and submitted for laboratory analysis of Resource Conservation and Recovery Act (RCRA) metals using Toxicity Characteristic Leaching Procedure (TCLP) via EPA Method 6020/1311.

3.4 Soil Stockpile Analytical Results

As reported in the September 2023 Status Report, of the 122 soil stockpiles characterized using composite sampling as prescribed by the WAP, 16 stockpiles (SP-26 to SP-30, SP-32 to SP-38, SP-40, SP-48, SP-49, SP-77, and SP-78) were found to contain TCLP lead concentrations exceeding the hazardous waste regulatory level of 5.0 mg/L. These stockpiles were transferred to roll off boxes as 90-day accumulation containers. Additionally, five stockpile samples (SP-8, SP-31, SP-45, SP-47, and SP-52) contained lead concentrations characteristic of Non-Hazardous Class 1 Regulatory Levels (1.5 mg/kg). **Table 3** provides a summary of the initial 122 soil stockpile characterization sample results.

Soil from stockpiles SP-26 to SP-30, SP-32 to SP-38, SP-40, SP-48, SP-49 (characteristically hazardous soils) and stockpiles SP-8, SP-31, SP-45, SP-47, and SP-52 (Class I non-hazardous soils) were subsequently treated on-site as described in the Response Action Plan (RAP) and the WAP, using the ratio of stabilizing reagent shown in the Treatability Study Results included as **Attachment C**. RSI used 5% EnviroBlend®CS during the treatment of impacted soils to account for heterogeneity in the material and to ensure the on-site treatment standard for the RCA is met. Following on-site treatment treated soils were resampled for characterization analysis as prescribed in the WAP. As shown on **Table 4** post-treatment characterization sampling results were all below the RCA treatment standard for lead specified in the WAP (<7.5 mg/kg). After confirming on-site treatment standards had been met, treated soils were placed for disposal on the RCA along with other excavated soils.

Soil stockpiles SP-77 and SP-78 contained large slag fragments which prevent effective on-site treatment, therefore, those stockpiles were profiled and transported off-site to the U.S. Ecology Texas, Inc. (U.S. Ecology) facility in Robstown, Texas for disposal. Waste manifests are included as **Attachment D**. As summarized in **Table 5** four transport loads of hazardous soil totaling 173,420 pounds were shipped to U.S. Ecology for disposal.

4.0 CLOSING

The next semi-annual status report summarizing RAP implementation activities at the Frisco CDC will be submitted on or before March 31, 2024. Please do not hesitate to call should you have any questions regarding this status report.

Sincerely,

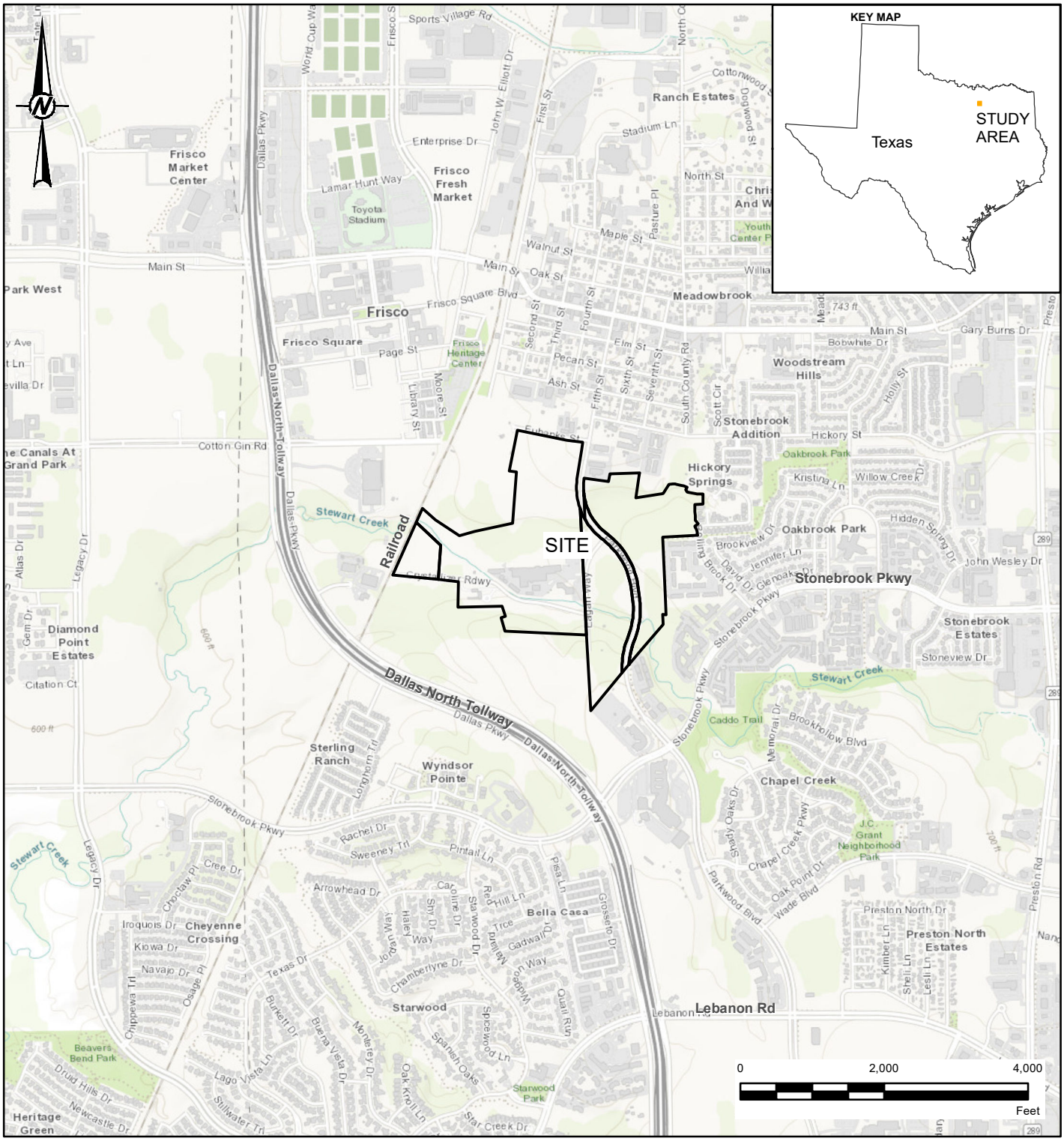
WSP USA, Inc.

Catherine Mear
Environmental Scientist, Consultant

Timothy P. Jennings, PG (TX)
Assistant Vice President, Geologist

CC: TCEQ Austin – 1 electronic copy
TCEQ Region 4 – 1 electronic copy
Wes Pierson – Frisco City Manager (City of Frisco) – 1 electronic copy
Mack Borchardt – Special Assistant to the City Manager – City of Frisco – 1 electronic copy
Jason Brodigan – Interim Director of Engineering Services (City of Frisco) – 1 electronic copy
Brad Weaver – City of Frisco – 1 electronic copy

FIGURES



LEGEND

Frisco Community Development Site

REFERENCE(S)

1. BACKGROUND IMAGERY - SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY

CLIENT
FRISCO COMMUNITY DEVELOPMENT CORPORATION

PROJECT
UTILITY REPLACEMENT SOIL EXCAVATION INTERIM ACTION WORK PLAN

TITLE
SITE LOCATION MAP

CONSULTANT
wsp

YYYY-MM-DD	2022-11-01
DESIGNED	JWT
PREPARED	JWT
REVIEWED	---
APPROVED	---

PROJECT NO.	CONTROL	REV.	FIGURE
GL204096205	1302086ZZG001	0	1

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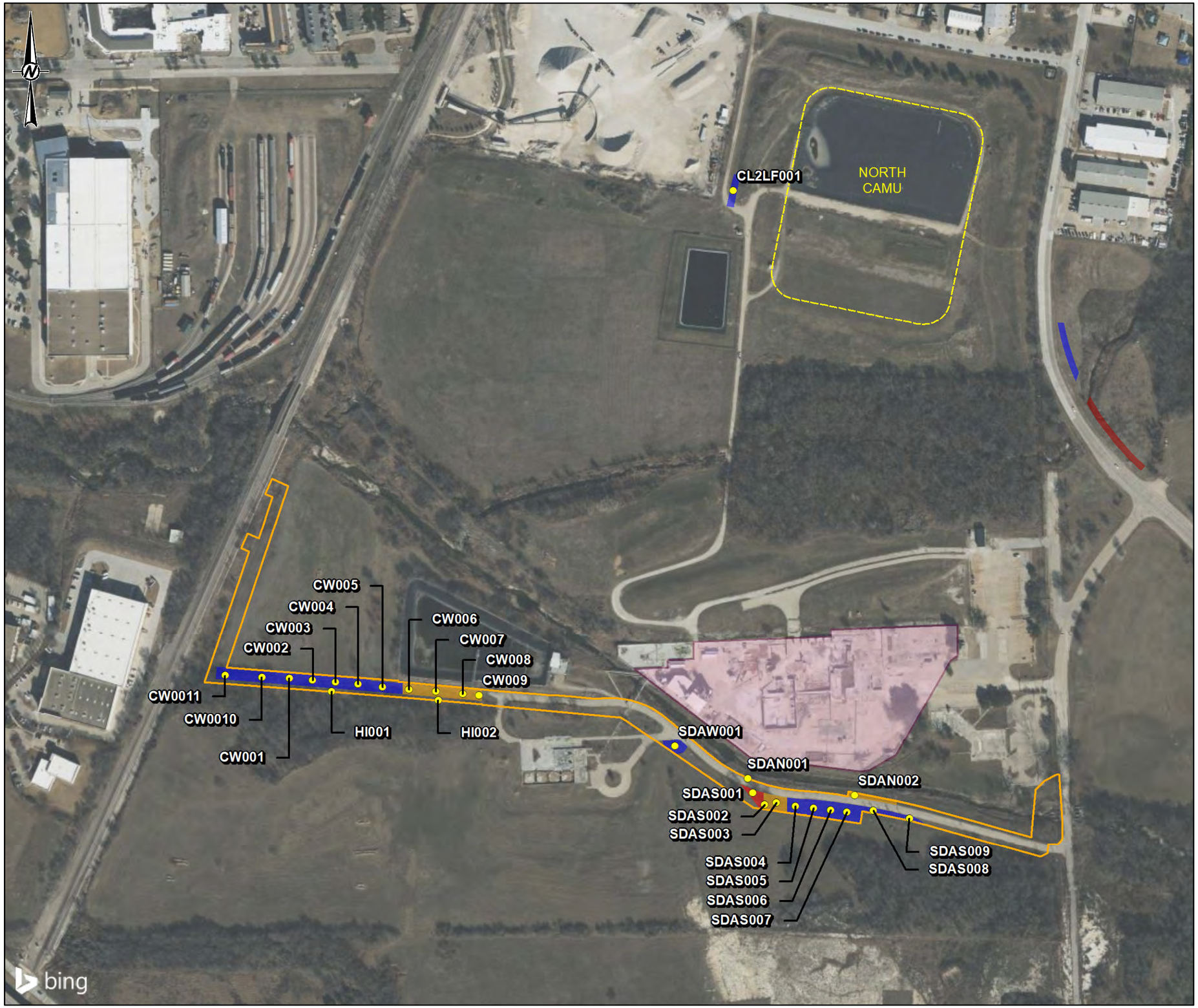

LEGEND

- Waste Characterization Centroid Location
- Extent of Disposal Area
- Construction Fence - Limits of Work
- FOP Engineered Cap (RCA)

Interim Action Excavation Area

- 0 - 0.5 ft
- 1 - 2 ft
- 2 - 4 ft
- 4 - 5 ft

300 150 0 300
Feet

NOTE(S)

1. INTERIM ACTION PROPOSED EXCAVATION AREAS BASED ON PROTECTIVE CONCENTRATION LIMIT EXCEEDANCE (PCLE) ZONES WITHIN EXCAVATION LIMITS
2. RCA - REMEDIATION CONSOLIDATION AREA
3. FOP - FORMER OPERATING PLANT

REFERENCE(S)

1. BACKGROUND IMAGERY - © 2023 MICROSOFT CORPORATION © 2023 MAXAR ©CNES (2023) DISTRIBUTION AIRBUS DS

CLIENT
FRISCO COMMUNITY DEVELOPMENT CORPORATION

PROJECT
UTILITY REPLACEMENT INTERIM ACTION

TITLE
CONFIRMATION SAMPLE LOCATIONS

CONSULTANT

YYYY-MM-DD	2023-10-02
DESIGNED	JWT
PREPARED	JWT
REVIEWED	RPS
APPROVED	THR

PROJECT NO.	CONTROL	REV.	FIGURE
GL204096205	1302086ZZG011	0	2

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TABLES

TABLE 1
SUMMARY OF AIR MONITORING RESULTS
September - October 2023

Interim Action - Frisco CDC Site
Frisco, Texas
IHW-CA No. 30516

Sample ID[1]	Date	Cadmium[2]	Lead[2]
		mg/m^3	
FOPR-230919-UW-066	9/19/2023	<0.0000046	<0.000031
FOPR-230919-DW-096		<0.0000046	<0.000031
FOPR-230919-DW-336		<0.0000046	<0.000031
FOPR-230919-DW-983		<0.0000047	<0.000031
FOPR-230919-DW-980		<0.0000046	<0.000031
FOPR-230922-UW-066	9/22/2023	<0.0000046	<0.000031
FOPR-230922-DW-096		<0.0000045	<0.000030
FOPR-230922-DW-336		<0.0000041	<0.000028
FOPR-230922-DW-983		<0.0000045	<0.000030
FOPR-230922-DW-980		<0.0000046	<0.000030
FOPR-230925-UW-066	9/25/2023	<0.0000047	**0.036**
FOPR-230925-DW-096		<0.0000048	<0.000032
FOPR-230925-DW-336		<0.0000048	<0.000032
FOPR-230925-DW-983		<0.0000048	<0.000032
FOPR-230925-DW-980		<0.0000048	<0.000032
FOPR-230927-UW-066	9/27/2023	<0.0000052	<0.000035
FOPR-230927-DW-096		<0.0000052	<0.000035
FOPR-230927-DW-336		<0.0000052	<0.000035
FOPR-230927-DW-983		<0.0000052	<0.000034
FOPR-230927-DW-980		<0.0000052	<0.000034
FOPR-230929-UW-066	9/29/2023	<0.0000052	<0.000035
FOPR-230929-DW-096		<0.0000052	<0.000034
FOPR-230929-DW-336		<0.0000051	<0.000034
FOPR-230929-DW-983		<0.0000051	<0.000034
FOPR-230929-DW-980		<0.0000051	<0.000034
FOPR-231010-UW-066	10/10/2023	<0.0000047	**0.00007**
FOPR-231010-DW-096		<0.0000047	<0.000031
FOPR-231010-DW-336		<0.0000047	<0.000032
FOPR-231010-DW-983		<0.0000047	<0.000031
FOPR-231010-DW-980		<0.0000047	**0.000038**
FOPR-231011-UW-066	10/11/2023	<0.0000052	**0.00004**
FOPR-231011-DW-096		<0.0000051	<0.000034
FOPR-231011-DW-336		<0.0000052	<0.000035
FOPR-231011-DW-983		<0.0000052	<0.000034
FOPR-231011-DW-980		<0.0000052	<0.000034
Stop Work Level - 60 minute average[3]		**0.0001**	**0.00107**

Notes:

[1]Samples collected by Remediation Services, Inc. and analyzed by ALS Environmental in Salt Lake City, Utah.

[2]Cadmium and lead analyzed via NIOSH Method 7300 Mod., MCE.

[3]Particulate matter take acton and stop work levels for cadmium and lead as detailed in the Former Operating Plant Air Monitoring Plan, April 2023, prepared by WSP USA, Inc.

J - The reported value is an estimate.

Bold analytical results indicate sample detections.

Analytical results reported in milligrams per cubic meter (mg/m^3).

Table 2
Summary of Soil Confirmation Sample Analytical Results
July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

		Analyte[2]	Antimony	Arsenic	Cadmium	Lead	Selenium
		PCL[3]	**2.71**	**15.9**	**30.0**	**274.51**	**1.60**
Sample ID[1]	**Sample Depth**	**Date**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
CW001	0.5	7/31/2023	0.657	10.4	2.18	95.0	1.58
CW001-01	1	8/10/2023	0.418 J	14.0	1.92	35.3	**1.69**
CW001-02	1.5	9/1/2023	0.168 J	10.9	1.15	36.2	1.28
CW002	0.5	7/31/2023	1.21	10.0	6.68	**305**	**1.67**
CW002-01	1	8/10/2023	0.740	11.0	1.54	224	**1.78**
CW002-02	1.5	9/6/2023	0.574 J	13.6	2.02	56.8	1.51
CW003	0.5	7/31/2023	0.662	10.6	0.960	192	1.36
CW003-01	1	8/10/2023	0.415 J	13.8	1.37	50.9	**1.85**
CW003-02	1.5	9/6/2023	0.591	12.3	3.25	88.9	1.38
CW004	0.5	7/31/2023	1.11	9.79	3.16	**429**	1.40
CW004-01	1	8/11/2023	0.836	13.3	1.99	**291**	**1.92**
CW004-02	1.5	9/6/2023	0.420 J	11.9	3.95	64.5	1.34
CW005	0.5	7/31/2023	1.04	10.3	2.82	**505**	1.30
CW005-01	1.5	8/11/2023	0.556 J	13.0	22.5	76.6	**1.92**
CW005-02	2	9/6/2023	0.502 J	12.7	1.67	43.1	1.46
CW006	1	7/31/2023	0.603	11.5	3.50	97.5	**2.45**
CW006-01	1.5	8/11/2023	0.677	10.0	0.656	54.6	1.43
CW007	1	7/31/2023	0.331 J	10.0	0.682	28.5	**1.63**
CW007	1.5	8/12/2023	0.462 J	12.3	0.965	87.5	**2.13**
CW007-02	2	9/7/2023	0.340 JL	9.91	7.76 JL	32.7 JH	1.48
CW008	1	7/31/2023	0.243 J	7.03	0.645	19.1	1.13
CW008	1.5	8/12/2023	0.395 J	15.6	0.740	23.7	**2.44**
CW008-02	2	9/7/2023	0.265 J	8.81	0.618 J	25.9	1.26
CW009	1	7/31/2023	0.423 J	9.71	2.33	61.8	**1.67**
CW009	1.5	8/12/2023	0.436 J	14.3	1.50	67.3	**2.38**
CW009-02	2	9/7/2023	0.313 J	10.5	0.677	92.1	1.28
CL2LF001	0.5	7/31/2023	0.483 JL	7.94	0.710	136	**1.63**
CL2LF001-1	1	8/17/2023	0.245 J	8.65	0.495 J	79.8	1.46
SDAW001	0.5	7/31/2023	0.562	8.82	0.779	99.0	1.26
SDAW001-01	1	8/12/2023	0.523 J	10.8	0.373 J	204	**2.21**
SDAW001-02	1.5	9/7/2023	0.403 J	8.74	0.308 J	161	0.683
SDAN002	1	7/31/2023	0.514	10.6	0.904	66.0	1.19

Table 2
Summary of Soil Confirmation Sample Analytical Results
July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

		Analyte[2]	Antimony	Arsenic	Cadmium	Lead	Selenium
		PCL[3]	**2.71**	**15.9**	**30.0**	**274.51**	**1.60**
Sample ID[1]	**Sample Depth**	**Date**	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
SDAS003	1	7/31/2023	1.45	9.95	1.75	**634**	**1.61**
SDAS003-1	1.5	8/16/2023	<0.0782	7.60	0.141 J	26.0	1.02
SDAS004	0.5	7/31/2023	0.953	7.98	1.29	**278**	1.43
SDAS004-1	1	8/16/2023	0.216 J	8.75	0.698	54.9	1.20
SDAS005	0.5	7/31/2023	**4.57**	12.7	3.66	**1,370**	1.52
SDAS005-1	1	8/16/2023	0.444 J	10.4	0.605	105	1.37
SDAS006	0.5	7/31/2023	2.57	9.88	2.82	**824**	1.53
SDAS006-1	1	8/16/2023	0.323 JL	10.3	0.389 J	41.7 J	1.29
SDAS007	0.5	7/31/2023	**7.65**	14.3	3.80	**2,700**	1.36
SDAS007-1	1	8/15/2023	0.0927 J	10.1	0.293 J	13.1	1.34
SDAS008	0.5	7/31/2023	**4.09**	11.3	2.63	**1,230**	1.35
SDAS008-1	1	8/14/2023	0.497 J	9.58	0.445 J	69.9	1.26
SDAS009	0.5	7/31/2023	2.19	10.1	2.19	**752**	1.05
SDAS009-1	1	8/14/2023	0.606	13.3	0.691	176	1.36
SDAS002	4	7/31/2023	<0.0830	4.67	0.0367 J	14.1	1.21
SDAS001-002-1	4	8/14/2023	0.629	10.8	1.2	223	1.25
CW010	0.5	8/17/2023	0.474 J	12.9	5.50	108	1.41
CW011	0.5	8/17/2023	0.407 J	11.3	3.47	147	1.28

Notes:

[1]Samples collected by WSP USA, Inc. and submitted to ALS Environmental in Houston, Texas for laboratory analysis.

[2]Metals analyzed by U.S. Environmental Protection Agency (EPA) Method 6020.

[3]Texas Commission on Environmental Quality (TCEQ) Texas Risk Reduction Program (TRRP) Tier 1 site-specific critical protective concentration level (PCL). The critical PCLs were approved by TCEQ in the November 2019 Response Action Plan.

Bold sample concentrations exceed the applicable critical PCL.

Shaded sample locations were removed during excavation activities.

(J) The analyte was detected below the quantitation limit, the reported value is an estimate.

(JH) The reported value is an estimate, biased high

(JL) The reported value is an estimate, biased low

Sample results reported in milligrams per kilogram (mg/kg).

Table 3
Summary of Waste Sample Analytical Results (TCLP)
July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Analyte[2]			Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
TX Non-Hazardous Class 1 Screening Values[3]			1.8	100.0	0.5	5.0	1.5	1.0	5.0	0.2
Texas Hazardous Screening Values[4]			5.0	100.0	1.0	5.0	5.0	1.0	5.0	0.2
Sample ID[1]	Lab ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP-1	HS23071516-01	7/24/2023	<0.00400	**0.514**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	**0.0000740 J**
SP-2	HS23071516-02	7/24/2023	<0.00400	**0.484**	**0.00371 J**	<0.00400	**0.0333**	<0.0110	<0.00200	**0.0000560 J**
SP-3	HS23071516-03	7/24/2023	<0.00400	**0.508**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	**0.0000530 J**
SP-4	HS23071516-04	7/24/2023	<0.00400	**0.567**	**0.00406 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-5	HS23071516-05	7/24/2023	<0.00400	**0.151 J**	**0.0313 J**	<0.00400	<0.00600	<0.0110	<0.00200	**0.0000750 J**
SP-6	HS23071516-06	7/24/2023	<0.00400	**0.591**	**0.0391 J**	<0.00400	**0.0816**	<0.0110	<0.00200	**0.0000340 J**
SP-7	HS23071516-07	7/24/2023	<0.00400	**0.530**	**0.00862 J**	<0.00400	<0.00600	<0.0110	<0.00200	**0.0000610 J**
SP-8	HS23071516-08	7/24/2023	<0.00400	**0.773**	**0.0192 J**	<0.00400	**1.93**	<0.0110	<0.00200	**0.0000520 J**
SP-9	HS23071516-09	7/24/2023	<0.00400	**0.207**	**0.0174 J**	<0.00400	<0.00600	<0.0110	<0.00200	**0.0000460 J**
SP-10	HS23071883-01	7/28/2023	<0.00400	**0.283**	**0.00636 J**	<0.00400	**0.0403 J**	<0.0110	<0.00200	<0.0000300
SP-11	HS23071883-02	7/28/2023	<0.00400	**0.505**	**0.00443 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-12	HS23071883-03	7/28/2023	<0.00400	**0.224**	**0.00212 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-13	HS23071883-04	7/28/2023	<0.00400	**0.153 J**	**0.00349 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-14	HS23071883-05	7/28/2023	<0.00400	**0.234**	**0.00279 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-15	HS23071883-06	7/28/2023	<0.00400	**0.214**	**0.00219 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-16	HS23071883-07	7/28/2023	<0.00400	**0.183 J**	**0.00256 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-17	HS23071883-08	7/28/2023	<0.00400	**0.258**	**0.00285 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-18	HS23071883-09	7/28/2023	<0.00400	**0.173 J**	**0.00302 J**	<0.00400	**0.0300 J**	<0.0110	<0.00200	<0.0000300
SP-19	HS23071883-10	7/28/2023	<0.00400	**0.159 J**	**0.00249 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-20	HS23071883-11	7/28/2023	<0.00400	**0.263**	<0.00200	<0.00400	**0.0121 J**	<0.0110	<0.00200	<0.0000300
SP-21	HS23071883-12	7/28/2023	<0.00400	**0.142 J**	**0.00428 J**	<0.00400	**0.0296 J**	<0.0110	<0.00200	<0.0000300
SP-22	HS23071883-13	7/28/2023	<0.00400	**0.0821 J**	<0.00200	<0.00400	**0.0249 J**	<0.0110	<0.00200	<0.0000300
SP-23	HS23071883-14	7/28/2023	<0.00400	**0.170 J**	**0.00402 J**	<0.00400	**0.0387 J**	<0.0110	<0.00200	<0.0000300
SP-24	HS23071883-15	7/28/2023	<0.00400	**0.0980 J**	<0.00200	<0.00400	**0.0224 J**	<0.0110	<0.00200	<0.0000300
SP-25	HS23071883-16	7/28/2023	<0.00400	**0.116 J**	**0.00553 J**	<0.00400	**0.0127 J**	<0.0110	<0.00200	<0.0000300
SP-26	HS23080642-01	8/9/2023	<0.00400	**1.35**	**0.0743**	<0.00400	**33.5**	<0.0110	<0.00200	<0.0000300
SP-27	HS23080642-02	8/9/2023	<0.00400	**1.20**	**0.0375 J**	<0.00400	**14.3**	<0.0110	<0.00200	<0.0000300
SP-28	HS23080642-03	8/9/2023	<0.00400	**0.864**	**0.0406 J**	<0.00400	**14.3**	<0.0110	<0.00200	<0.0000300

Table 3
Summary of Waste Sample Analytical Results (TCLP)
July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Analyte[2]			Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
TX Non-Hazardous Class 1 Screening Values[3]			1.8	100.0	0.5	5.0	1.5	1.0	5.0	0.2
Texas Hazardous Screening Values[4]			5.0	100.0	1.0	5.0	5.0	1.0	5.0	0.2
Sample ID[1]	Lab ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP-29	HS23080642-04	8/9/2023	<0.00400	**1.19**	**0.0796**	<0.00400	**17.9**	<0.0110	<0.00200	<0.0000300
SP-30	HS23080642-05	8/9/2023	<0.00400	**1.10**	**0.0610**	<0.00400	**12.5**	<0.0110	<0.00200	<0.0000300
SP-31	HS23080642-06	8/9/2023	<0.00400	**1.17**	**0.118**	<0.00400	**3.92**	<0.0110	<0.00200	<0.0000300
SP-32	HS23080642-07	8/9/2023	<0.00400	**1.09**	**0.0770**	<0.00400	**11.2**	<0.0110	<0.00200	<0.0000300
SP-33	HS23080642-08	8/9/2023	<0.00400	**1.15**	**0.0721**	<0.00400	**11.2**	<0.0110	<0.00200	<0.0000300
SP-34	HS23080642-09	8/9/2023	<0.00400	**1.01**	**0.0634**	<0.00400	**5.14**	<0.0110	<0.00200	**0.0000300 J**
SP-35	HS23080642-10	8/9/2023	<0.00400	**1.05**	**0.0563**	<0.00400	**13.1**	<0.0110	<0.00200	<0.0000300
SP-36	HS23080642-11	8/9/2023	<0.00400	**1.05**	**0.0766**	<0.00400	**9.4**	<0.0110	<0.00200	<0.0000300
SP-37	HS23080642-12	8/9/2023	**0.0185 J**	**1.34**	**0.117**	<0.00400	**17.0**	<0.0110	<0.00200	<0.0000300
SP-38	HS23080642-13	8/9/2023	<0.00400	**1.29**	**0.0457**	<0.00400	**10.6**	<0.0110	<0.00200	<0.0000300
SP-39	HS23080800-04	8/10/2023	<0.00400	**0.664**	**0.00429 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-40	HS23080800-05	8/10/2023	<0.00400	**1.21**	**0.0549**	<0.00400	**14.9**	<0.0110	<0.00200	<0.0000300
SP-41	HS23080800-06	8/10/2023	<0.00400	**0.636**	**0.00248 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-42	HS23080800-07	8/10/2023	<0.00400	**0.613**	**0.00379 J**	<0.00400	**0.00666 J**	<0.0110	<0.00200	<0.0000300
SP-43	HS23080800-08	8/10/2023	<0.00400	**0.607**	**0.00471 J**	<0.00400	**0.0114 J**	<0.0110	<0.00200	<0.0000300
SP-44	HS23080800-09	8/10/2023	<0.00400	**0.646**	**0.00312 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-45	HS23080800-10	8/10/2023	<0.00400	**1.16**	**0.0345 J**	<0.00400	**3.99**	<0.0110	<0.00200	<0.0000300
SP-46	HS23080800-11	8/10/2023	<0.00400	**0.549**	**0.00563 J**	<0.00400	**0.0579**	<0.0110	<0.00200	<0.0000300
SP-47	HS23080800-15	8/11/2023	<0.00400	**1.38**	**0.0464 J**	<0.00400	**3.43**	<0.0110	<0.00200	<0.0000300
SP-48	HS23080800-16	8/11/2023	<0.00400	**1.37**	**0.0362 J**	<0.00400	**8.11**	<0.0110	<0.00200	<0.0000300
SP-49	HS23080800-17	8/11/2023	<0.00400	**1.32**	**0.0357 J**	**0.0558**	**6.32**	<0.0110	<0.00200	<0.0000300
SP-50	HS23080800-18	8/11/2023	<0.00400	**0.593**	**0.00423 J**	<0.00400	**0.0888**	<0.0110	<0.00200	<0.0000300
SP-51	HS23080800-19	8/11/2023	<0.00400	**0.629**	**0.00211 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-52	HS23080800-20	8/11/2023	<0.00400	**1.34**	**0.0368 J**	<0.00400	**2.32**	<0.0110	<0.00200	<0.0000300
SP-53	HS23080800-21	8/11/2023	<0.00400	**0.603**	**0.00411 J**	<0.00400	**0.232**	<0.0110	<0.00200	<0.0000300
SP-54	HS23080800-22	8/11/2023	**0.00428 J**	**1.44**	**0.0508**	<0.00400	**0.0737**	<0.0110	<0.00200	<0.0000300
SP-55	HS23080800-23	8/11/2023	<0.00400	**0.577**	**0.00274 J**	**0.00641 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-56	HS23080800-24	8/11/2023	<0.00400	**0.625**	**0.00540 J**	<0.00400	**0.0182 J**	<0.0110	<0.00200	<0.0000300

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July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Analyte[2]			Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
TX Non-Hazardous Class 1 Screening Values[3]			1.8	100.0	0.5	5.0	1.5	1.0	5.0	0.2
Texas Hazardous Screening Values[4]			5.0	100.0	1.0	5.0	5.0	1.0	5.0	0.2
Sample ID[1]	Lab ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP-57	HS23080800-25	8/11/2023	<0.00400	**0.562**	**0.00240 J**	<0.00400	**0.00685 J**	<0.0110	<0.00200	<0.0000300
SP-58	HS23080800-26	8/11/2023	<0.00400	**0.385**	**0.00344 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-59	HS23080800-27	8/11/2023	<0.00400	**0.598**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-60	HS23080800-28	8/11/2023	<0.00400	**0.952**	**0.0109 J**	**0.0188 J**	**0.0526**	<0.0110	<0.00200	<0.0000300
SP-61	HS23080800-29	8/11/2023	<0.00400	**0.534**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-62	HS23080800-30	8/11/2023	<0.00400	**0.480**	**0.00572 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-63	HS23080810-04	8/12/2023	**0.00404 J**	**0.558**	**0.00924 J**	<0.00400	**0.0995**	<0.0110	<0.00200	<0.0000300
SP-64	HS23080810-05	8/12/2023	<0.00400	**0.358**	**0.00423 J**	<0.00400	**0.0119**	<0.0110	<0.00200	<0.0000300
SP-65	HS23080810-06	8/12/2023	<0.00400	**0.416**	**0.00276 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-66	HS23080810-07	8/12/2023	<0.00400	**0.516**	**0.00996 J**	<0.00400	**0.00992 J**	<0.0110	<0.00200	<0.0000300
SP-67	HS23080810-08	8/12/2023	<0.00400	**0.520**	**0.0172 J**	<0.00400	**0.0176**	<0.0110	<0.00200	<0.0000300
SP-68	HS23080810-09	8/12/2023	<0.00400	**0.480**	**0.00722 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-69	HS23081099-03	8/14/2023	<0.00400	**0.136 J**	**0.00317 J**	**0.0105 J**	**0.0417 J**	<0.0110	<0.00200	<0.0000300
SP-70	HS23081099-04	8/14/2023	<0.00400	**0.242**	**0.00425 J**	**0.00412 J**	**0.0230 J**	<0.0110	<0.00200	<0.0000300
SP-71	HS23081099-05	8/14/2023	<0.00400	**0.370**	<0.00200	<0.00400	**0.00672 J**	<0.0110	<0.00200	<0.0000300
SP-72	HS23081099-06	8/14/2023	<0.00400	**0.858**	**0.0161 J**	**0.00499 J**	**0.570**	<0.0110	<0.00200	<0.0000300
SP-73	HS23081099-07	8/14/2023	<0.00400	**0.575**	<0.00200	**0.00421 J**	**0.0104 J**	<0.0110	<0.00200	<0.0000300
SP-74	HS23081099-08	8/14/2023	<0.00400	**0.370**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-75	HS23081099-10	8/14/2023	<0.00400	**0.568**	**0.00330 J**	<0.00400	**0.0960**	<0.0110	<0.00200	<0.0000300
SP-76	HS23081099-11	8/14/2023	**0.00458 J**	**0.472**	**0.00454 J**	<0.00400	**0.174**	**0.0118 J**	<0.00200	<0.0000300
SP-77	HS23081099-12	8/14/2023	<0.00400	**0.955**	**0.0468 J**	<0.00400	**9.39**	<0.0110	<0.00200	<0.0000300
SP-78	HS23081099-13	8/14/2023	**0.0201 J**	**1.09**	**0.148**	<0.00400	**46.1**	<0.0110	<0.00200	<0.0000300
SP-79	HS23081099-14	8/14/2023	<0.00400	**0.48**	**0.00713 J**	<0.00400	**0.233**	<0.0110	<0.00200	<0.0000300
SP-80	HS23081099-15	8/14/2023	<0.00400	**0.487**	**0.0102 J**	<0.00400	**0.504**	<0.0110	<0.00200	<0.0000300
SP-81	HS23081099-16	8/14/2023	<0.00400	**0.717**	**0.0159 J**	<0.00400	**0.826**	<0.0110	<0.00200	<0.0000300
SP-82	HS23081099-17	8/14/2023	<0.00400	**0.406**	**0.00207 J**	<0.00400	**0.0724**	<0.0110	<0.00200	<0.0000300
SP-83	HS23081099-18	8/15/2023	<0.00400	**0.496**	**0.00213 J**	**0.00419 J**	**0.0196 J**	<0.0110	<0.00200	<0.0000300
SP-84	HS23081099-19	8/15/2023	<0.00400	**0.396**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300

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IHW-CA No. 30516

Analyte[2]			Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
TX Non-Hazardous Class 1 Screening Values[3]			1.8	100.0	0.5	5.0	1.5	1.0	5.0	0.2
Texas Hazardous Screening Values[4]			5.0	100.0	1.0	5.0	5.0	1.0	5.0	0.2
Sample ID[1]	Lab ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP-85	HS23081099-20	8/15/2023	<0.00400	**0.380**	<0.00200	**0.00503 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-86	HS23081099-21	8/15/2023	<0.00400	**0.378**	<0.00200	<0.00400	**0.0206 J**	<0.0110	<0.00200	<0.0000300
SP-87	HS23081099-22	8/15/2023	<0.00400	**0.299**	**0.00242 J**	<0.00400	**0.0332 J**	<0.0110	<0.00200	<0.0000300
SP-88	HS23081099-23	8/15/2023	<0.00400	**0.529**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-89	HS23081099-24	8/15/2023	<0.00400	**0.441**	<0.00200	<0.00400	**0.0145 J**	<0.0110	<0.00200	<0.0000300
SP-90	HS23081099-25	8/15/2023	<0.00400	**0.370**	**0.00283 J**	<0.00400	**0.0321 J**	<0.0110	<0.00200	<0.0000300
SP-91	HS23081099-26	8/15/2023	<0.00400	**0.405**	**0.00612 J**	<0.00400	**0.0480 J**	<0.0110	<0.00200	<0.0000300
SP-92	HS23081099-27	8/15/2023	<0.00400	**0.492**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-93	HS23081099-28	8/15/2023	<0.00400	**0.370**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-94	HS23081099-29	8/15/2023	<0.00400	**0.386**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-95	HS23081099-31	8/15/2023	<0.00400	**0.169 J**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-96	HS23081099-32	8/15/2023	<0.00400	**0.754**	**0.0126 J**	<0.00400	**0.588**	<0.0110	<0.00200	<0.0000300
SP-97	HS23081099-33	8/15/2023	<0.00400	**0.310**	**0.00224 J**	<0.00400	**0.00743 J**	<0.0110	<0.00200	<0.0000300
SP-98	HS23081230-02	8/16/2023	<0.00400	**0.367**	<0.00200	**0.00439 J**	**0.0110 J**	<0.0110	<0.00200	<0.0000300
SP-99	HS23081230-03	8/16/2023	<0.00400	**0.478**	<0.00200	**0.00703 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-100	HS23081230-05	8/16/2023	**0.00796 J**	**0.632**	**0.0174 J**	<0.00400	**0.484**	<0.0110	<0.00200	<0.0000300
SP-101	HS23081230-06	8/16/2023	<0.00400	**0.334**	<0.00200	**0.00503 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-102	HS23081230-07	8/16/2023	<0.00400	**0.287**	**0.00266 J**	**0.00554 J**	**0.0130 J**	<0.0110	<0.00200	<0.0000300
SP-103	HS23081230-08	8/16/2023	<0.00400	**0.349**	<0.00200	**0.0307 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-104	HS23081230-09	8/16/2023	<0.00400	**0.271**	<0.00200	**0.00658 J**	**0.0101 J**	<0.0110	<0.00200	<0.0000300
SP-105	HS23081230-10	8/16/2023	<0.00400	**0.174 J**	**0.00309 J**	<0.00400	**0.055**	<0.0110	<0.00200	<0.0000300
SP-106	HS23081230-11	8/16/2023	<0.00400	**0.149 J**	**0.00614 J**	**0.0124 J**	**0.132**	<0.0110	<0.00200	<0.0000300
SP-107	HS23081230-14	8/16/2023	**0.00494 J**	**0.626**	**0.00383 J**	**0.00601 J**	**0.0403 J**	<0.0110	<0.00200	<0.0000300
SP-108	HS23081230-15	8/16/2023	**0.00450 J**	**0.372**	**0.00375 J**	**0.00528 J**	**0.0361 J**	<0.0110	<0.00200	<0.0000300
SP-109	HS23081230-16	8/16/2023	**0.00480 J**	**0.846**	**0.00428 J**	**0.00652 J**	**0.00882 J**	<0.0110	<0.00200	<0.0000300
SP-110	HS23081230-18	8/17/2023	**0.00444 J**	**0.599**	**0.00661 J**	**0.00654 J**	**0.00662 J**	<0.0110	<0.00200	<0.0000300
SP-111	HS23081230-19	8/17/2023	**0.00439 J**	**0.941**	<0.00200	**0.00898 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-112	HS23081230-20	8/17/2023	<0.00400	**0.714**	<0.00200	**0.00769 J**	**0.00881 J**	<0.0110	<0.00200	<0.0000300

Table 3
Summary of Waste Sample Analytical Results (TCLP)
July - September 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Analyte[2]			Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
TX Non-Hazardous Class 1 Screening Values[3]			1.8	100.0	0.5	5.0	1.5	1.0	5.0	0.2
Texas Hazardous Screening Values[4]			5.0	100.0	1.0	5.0	5.0	1.0	5.0	0.2
Sample ID[1]	**Lab ID**	**Sample Date**	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
SP-113	HS23081230-21	8/17/2023	<0.00400	**0.836**	**0.00334 J**	**0.00822 J**	**0.00711 J**	<0.0110	<0.00200	<0.0000300
SP-114	HS23090098-02	9/1/2023	<0.00400	**0.884**	**0.00749 J**	**0.00811 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-115	HS23090369-02	9/6/2023	<0.00400	**0.679**	**0.00290 J**	**0.00514 J**	**0.0174 J**	<0.0110	**0.00327 J**	<0.0000300
SP-116	HS23090369-03	9/6/2023	<0.00400	**1.020**	**0.0264 J**	**0.00465 J**	**0.0463 J**	<0.0110	<0.00200	<0.0000300
SP-117	HS23090369-04	9/6/2023	<0.00400	**0.709**	**0.00448 J**	**0.00464 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-118	HS23090369-05	9/6/2023	<0.00400	**0.471**	**0.00251 J**	**0.00610 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-119	HS23090452-01	9/7/2023	<0.00400	**0.393**	**0.00713 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-120	HS23090452-02	9/7/2023	<0.00400	**0.303**	**0.00566 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-121	HS23090452-03	9/7/2023	<0.00400	**0.288**	**0.00792 J**	<0.00400	**0.0213 J**	<0.0110	<0.00200	<0.0000300
SP-122	HS23090452-04	9/7/2023	<0.00400	**0.132 J**	**0.00230 J**	<0.00400	**0.0886**	<0.0110	<0.00200	<0.0000300

Notes:

[1]Samples collected by WSP USA, Inc. and submitted for laboratory analysis to ALS Environmental in Houston, Texas.

[2]Resource Conservation and Recovery Act (RCRA) metals analyzed by U.S. Environmental Protection Agency (EPA) Method 6020 and Toxic Characteristic Leaching Procedure (TCLP) via EPA Method 1311.

[3]Texas Commission on Environmental Quality (TCEQ) Class 1, Non-Hazardous Screening Values per *Guidelines for the Classification and Coding of Industrial and Hazardous Waste* (Revised Nov 2014).

[4]TCEQ Hazardous Waste Screening Values per *Guidelines for the Classification and Coding of Industrial and Hazardous Waste* (Revised Nov 2014).
(J) Analyte detected below quantitation limit, the associated result is an estimate.
Bold sample results indicate the associated analyte was detected.
Blue shading = Indicates the associated sample result exceeds the Class 1 non-hazardous waste screening levels.
Gold shading = Indicates the associated sample result exceeds screening levels for hazardous waste.
Analytical results reported in milligrams per liter (mg/L).

Table 4
Summary of Treated Waste Sample Analytical Results (TCLP)
September - O ctober 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Analyte[2]				Arsenic	Barium	Cadmium	Chromium	Lead	Selenium	Silver	Mercury
CAMU Treatment Standards				50	210	1.1	6	7.5	57	1.4	0.25
Sample ID[1]	Stockpile Number	Lab ID	Sample Date	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
TB6240	48/49	HS23091792-01	9/26/2023	<0.00400	**0.626**	<0.00200	**0.00460 J**	<0.00600	<0.0110	<0.00200	<0.0000300
RB22131	26/48	HS23091792-02	9/26/2023	<0.00400	**0.429**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
RBR250512	36/37	HS23091792-03	9/26/2023	<0.00400	**0.319**	<0.00200	**0.00421 J**	<0.00600	<0.0110	<0.00200	<0.0000300
RT-5324	36/38	HS23091792-04	9/26/2023	<0.00400	**0.641**	**0.00226 J**	<0.00400	**0.0162 J**	<0.0110	<0.00200	<0.0000300
RT359	33	HS23091792-05	9/26/2023	<0.00400	**0.355**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
RT742	33	HS23091792-06	9/26/2023	<0.00400	**0.331**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
RBR250600	32	HS23091792-07	9/26/2023	<0.00400	**0.464**	**0.00238 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
N48790	32/49	HS23091792-08	9/26/2023	<0.00400	**0.507**	**0.00364 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
117444478	49	HS23091792-09	9/26/2023	<0.00400	**0.498**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
RBR251505	38	HS23091792-10	9/26/2023	<0.00400	**0.52**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
U-601	26/27	HS23091792-11	9/26/2023	<0.00400	**0.447**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
U-600	27	HS23091792-12	9/26/2023	<0.00400	**0.335**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
RT401097	35/38/33	HS23091792-13	9/26/2023	<0.00400	**0.564**	**0.00585 J**	<0.00400	**0.00927 J**	<0.0110	<0.00200	<0.0000300
RT6097	27	HS23091792-14	9/26/2023	<0.00400	**0.366**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
OT-614	30/29	HS23091900-01	9/29/2023	**0.00737 J**	**0.349**	<0.00200	**0.0229 J**	<0.00600	<0.0110	<0.00200	<0.0000300
U-604	30	HS23091900-02	9/29/2023	**0.00576 J**	**0.31**	<0.00200	**0.0240 J**	<0.00600	<0.0110	<0.00200	<0.0000300
U-603	28/29	HS23091900-03	9/29/2023	**0.00854 J**	**0.272**	<0.00200	**0.0247 J**	<0.00600	<0.0110	<0.00200	<0.0000300
T-617	27/28	HS23091900-04	9/29/2023	**0.00869 J**	**0.266**	<0.00200	**0.0243 J**	<0.00600	<0.0110	<0.00200	<0.0000300
RT40925	29/30/34	HS23091900-05	9/29/2023	**0.0112 J**	**0.678**	**0.00247 J**	**0.0237 J**	**0.00893 J**	<0.0110	<0.00200	<0.0000300
RT5308	34/35/37	HS23091900-06	9/29/2023	**0.0105 J**	**0.546**	**0.00334 J**	**0.0241 J**	**0.00750 J**	<0.0110	<0.00200	<0.0000300
2715	37/40	HS23091900-07	9/29/2023	**0.0103 J**	**0.249**	<0.00200	**0.0266 J**	<0.00600	<0.0110	<0.00200	<0.0000300
RB22274	40	HS23091900-08	9/29/2023	**0.0113 J**	**0.461**	**0.00256 J**	**0.0236 J**	<0.00600	<0.0110	<0.00200	<0.0000300
2127	40	HS23091900-09	9/29/2023	**0.0159 J**	**0.451**	<0.00200	**0.0368 J**	<0.00600	**0.0111 J**	**0.249**	<0.0000300
11744479	34/37	HS23091900-10	9/29/2023	**0.00905 J**	**0.216**	<0.00200	**0.0231 J**	<0.00600	<0.0110	<0.00200	<0.0000300
RT577	34/35	HS23091900-11	9/29/2023	**0.0104 J**	**0.227**	<0.00200	**0.0250 J**	<0.00600	<0.0110	<0.00200	<0.0000300
SP-52-Treated	52	HS23100244-01	10/3/2023	<0.00400	**0.321**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-47 Treated	47	HS23100244-02	10/3/2023	<0.00400	**0.756**	**0.00683 J**	<0.00400	**0.0674**	<0.0110	<0.00200	<0.0000300
SP-31/45 Treated	31/45	HS23100244-03	10/3/2023	<0.00400	**0.319**	<0.00200	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300
SP-8 Treated	8	HS23100244-04	10/3/2023	<0.00400	**0.467**	**0.00402 J**	<0.00400	<0.00600	<0.0110	<0.00200	<0.0000300

Notes:

[1]Samples collected by WSP USA, Inc. and submitted for laboratory analysis to ALS Environmental in Houston, Texas.

[2]Resource Conservation and Recovery Act (RCRA) metals analyzed by U.S. Environmental Protection Agency (EPA) Method 6020 and Toxic Characteristic Leaching Procedure (TCLP) via EPA Method 1311.

[3]CAMU Treatment Standards (<10 x UTS) as presented in the Waste Analysis Plan of the Resource Conservation and Recovery Act (RCRA) Part A application (11 November 2019).

(J) Analyte detected below quantitation limit, the associated result is an estimate.

Bold sample results indicate the associated analyte was detected.

Analytical results reported in milligrams per liter (mg/L).

Table 5
Summary of Disposed Soil
October - November 2023

Interim Action - Frisco CDC Site
IHW-CA No. 30516

Manifest Number	Disposal Date	Weight (pounds)
010756106 JJK	10/30/2023	44,100
010756104 JJK	11/15/2023	34,980
010756103 JJK	11/13/2023	46,500
010756105 JJK	11/13/2023	47,840
Total Soil Disposed		**173,420**

ATTACHMENTS

ATTACHMENT A

Air Monitoring Summary Reports

Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/6/2023

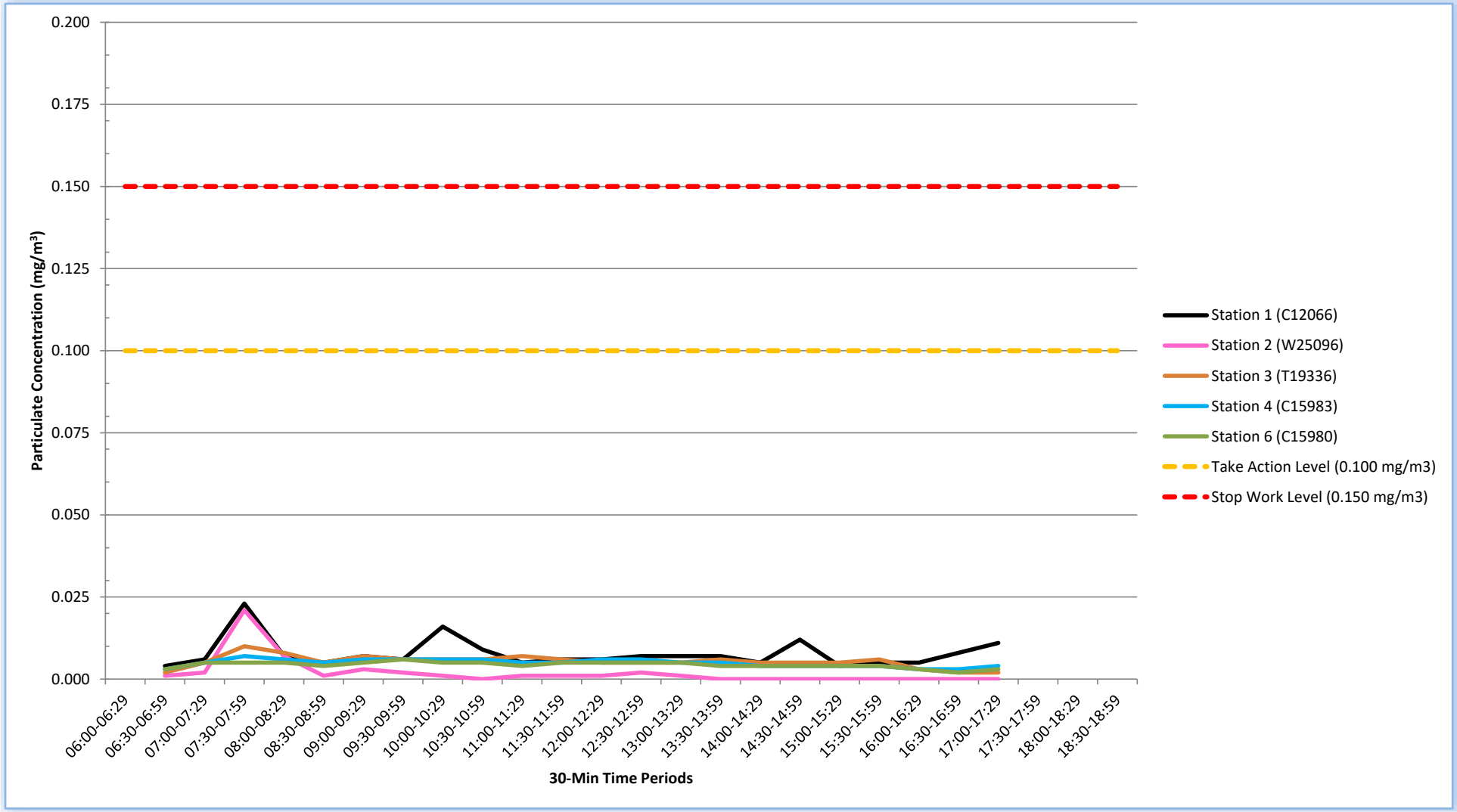
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						168	5.3
06:30-06:59	0.004	0.001	0.002	0.003	0.003	191	5.9
07:00-07:29	0.006	0.002	0.005	0.005	0.005	197	3.3
07:30-07:59	0.023	0.021	0.010	0.007	0.005	348	3.7
08:00-08:29	0.007	0.007	0.008	0.006	0.005	278	2.2
08:30-08:59	0.005	0.001	0.005	0.005	0.004	219	3.4
09:00-09:29	0.007	0.003	0.007	0.006	0.005	217	4.0
09:30-09:59	0.006	0.002	0.006	0.006	0.006	198	5.5
10:00-10:29	0.016	0.001	0.006	0.006	0.005	211	6.2
10:30-10:59	0.009	0.000	0.006	0.006	0.005	205	7.9
11:00-11:29	0.005	0.001	0.007	0.005	0.004	201	7.5
11:30-11:59	0.006	0.001	0.006	0.005	0.005	226	7.7
12:00-12:29	0.006	0.001	0.005	0.006	0.005	211	5.9
12:30-12:59	0.007	0.002	0.005	0.006	0.005	278	6.7
13:00-13:29	0.007	0.001	0.005	0.005	0.005	259	4.8
13:30-13:59	0.007	0.000	0.006	0.005	0.004	266	5.7
14:00-14:29	0.005	0.000	0.005	0.004	0.004	235	6.6
14:30-14:59	0.012	0.000	0.005	0.004	0.004	266	6.1
15:00-15:29	0.004	0.000	0.005	0.004	0.004	234	4.8
15:30-15:59	0.005	0.000	0.006	0.004	0.004	237	6.1
16:00-16:29	0.005	0.000	0.003	0.003	0.003	251	5.6
16:30-16:59	0.008	0.000	0.002	0.003	0.002	227	6.5
17:00-17:29	0.011	0.000	0.002	0.004	0.003	232	5.3
17:30-17:59						214	6.3
18:00-18:29						181	2.7
18:30-18:59						207	3.5
Daily Average	**0.008**	**0.002**	**0.005**	**0.005**	**0.004**	**197**	**5.4**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/6/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/7/2023

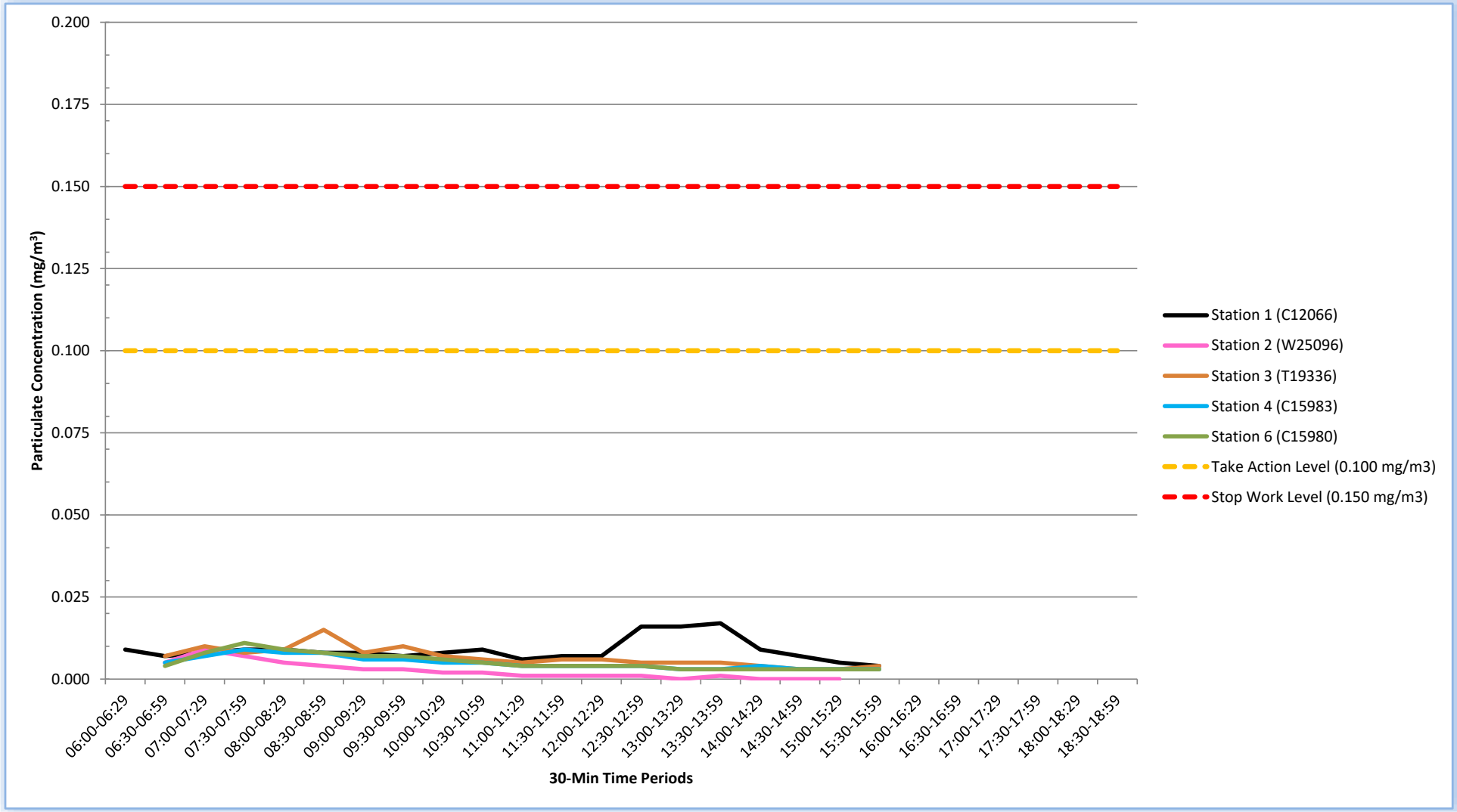
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29	0.009					101	3.0
06:30-06:59	0.007	0.005	0.007	0.005	0.004	114	3.5
07:00-07:29	0.008	0.009	0.010	0.007	0.008	111	3.1
07:30-07:59	0.009	0.007	0.008	0.009	0.011	113	4.2
08:00-08:29	0.009	0.005	0.009	0.008	0.009	121	4.2
08:30-08:59	0.008	0.004	0.015	0.008	0.008	149	4.0
09:00-09:29	0.008	0.003	0.008	0.006	0.007	193	5.7
09:30-09:59	0.007	0.003	0.010	0.006	0.007	196	7.5
10:00-10:29	0.008	0.002	0.007	0.005	0.006	213	9.4
10:30-10:59	0.009	0.002	0.006	0.005	0.005	237	8.6
11:00-11:29	0.006	0.001	0.005	0.004	0.004	242	9.3
11:30-11:59	0.007	0.001	0.006	0.004	0.004	259	9.1
12:00-12:29	0.007	0.001	0.006	0.004	0.004	265	8.0
12:30-12:59	0.016	0.001	0.005	0.004	0.004	255	7.0
13:00-13:29	0.016	0.000	0.005	0.003	0.003	238	9.2
13:30-13:59	0.017	0.001	0.005	0.003	0.003	236	8.2
14:00-14:29	0.009	0.000	0.004	0.004	0.003	238	6.3
14:30-14:59	0.007	0.000	0.003	0.003	0.003	247	6.5
15:00-15:29	0.005	0.000	0.003	0.003	0.003	252	7.2
15:30-15:59	0.004		0.004	0.003	0.003	229	5.0
16:00-16:29						207	5.3
16:30-16:59						228	8.1
17:00-17:29						227	7.3
17:30-17:59						207	7.1
18:00-18:29						216	7.5
18:30-18:59						208	6.2
Daily Average	**0.009**	**0.003**	**0.007**	**0.005**	**0.005**	**189**	**6.6**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/7/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/19/2023

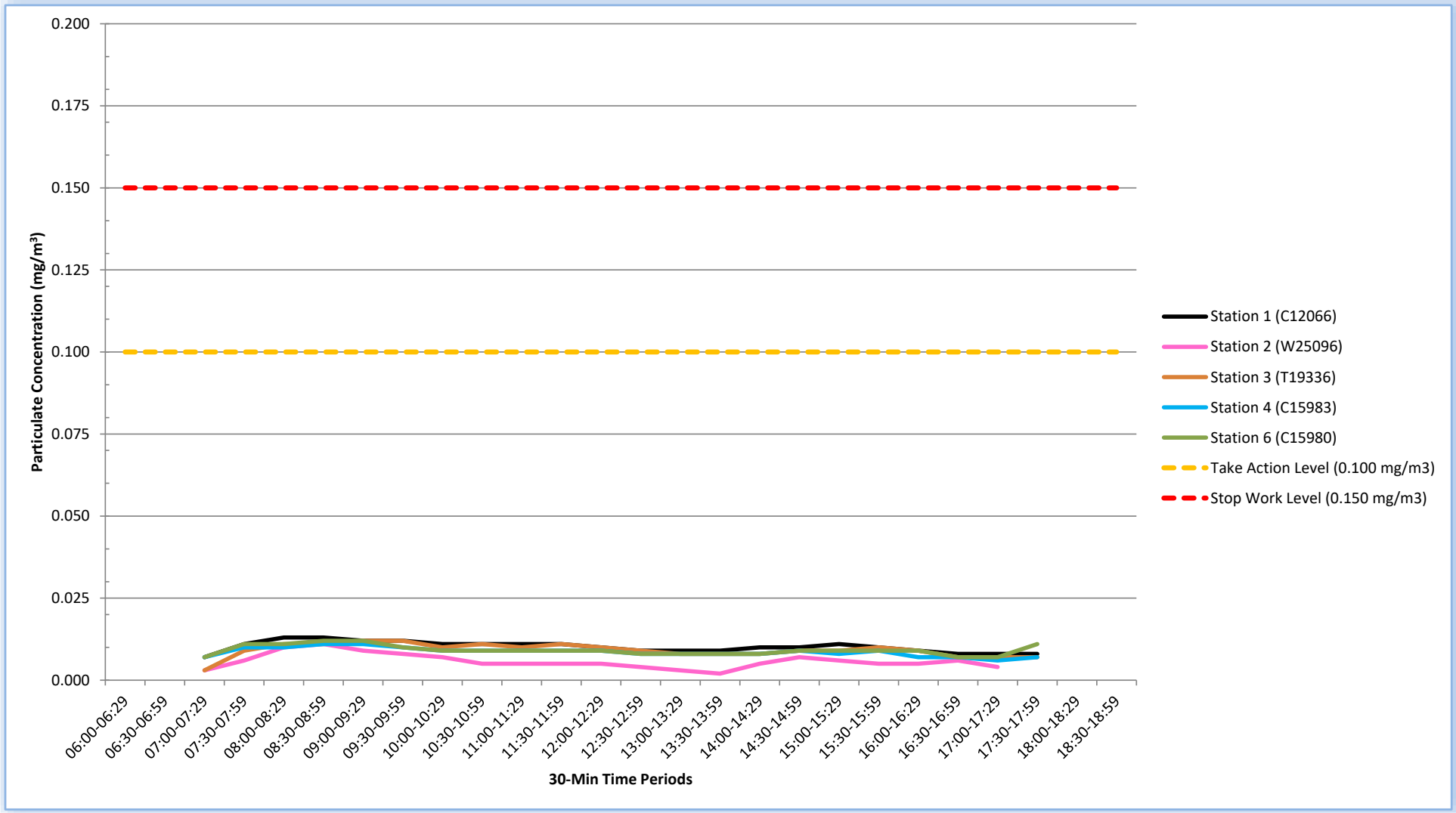
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						166	7.3
06:30-06:59						174	7.8
07:00-07:29	0.007	0.003	0.003	0.007	0.007	179	8.5
07:30-07:59	0.011	0.006	0.009	0.010	0.011	182	7.8
08:00-08:29	0.013	0.010	0.011	0.010	0.011	188	8.0
08:30-08:59	0.013	0.011	0.011	0.011	0.012	188	8.8
09:00-09:29	0.012	0.009	0.012	0.011	0.012	194	9.3
09:30-09:59	0.012	0.008	0.012	0.010	0.010	207	10.4
10:00-10:29	0.011	0.007	0.010	0.009	0.009	200	11.6
10:30-10:59	0.011	0.005	0.011	0.009	0.009	195	11.3
11:00-11:29	0.011	0.005	0.010	0.009	0.009	204	12.8
11:30-11:59	0.011	0.005	0.011	0.009	0.009	195	10.3
12:00-12:29	0.010	0.005	0.010	0.009	0.009	193	12.2
12:30-12:59	0.009	0.004	0.009	0.008	0.008	205	11.7
13:00-13:29	0.009	0.003	0.008	0.008	0.008	206	10.4
13:30-13:59	0.009	0.002	0.008	0.008	0.008	198	10.2
14:00-14:29	0.010	0.005	0.008	0.008	0.008	193	12.3
14:30-14:59	0.010	0.007	0.009	0.009	0.009	190	13.9
15:00-15:29	0.011	0.006	0.009	0.008	0.009	186	13.3
15:30-15:59	0.010	0.005	0.010	0.009	0.009	180	9.8
16:00-16:29	0.009	0.005	0.009	0.007	0.009	175	12.2
16:30-16:59	0.008	0.006	0.007	0.007	0.007	166	10.0
17:00-17:29	0.008	0.004	0.007	0.006	0.007	169	11.4
17:30-17:59	0.008		0.007	0.007	0.011	164	12.2
18:00-18:29						177	7.0
18:30-18:59						184	13.0
Daily Average	**0.010**	**0.006**	**0.009**	**0.009**	**0.009**	**176**	**10.5**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/19/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/20/2023

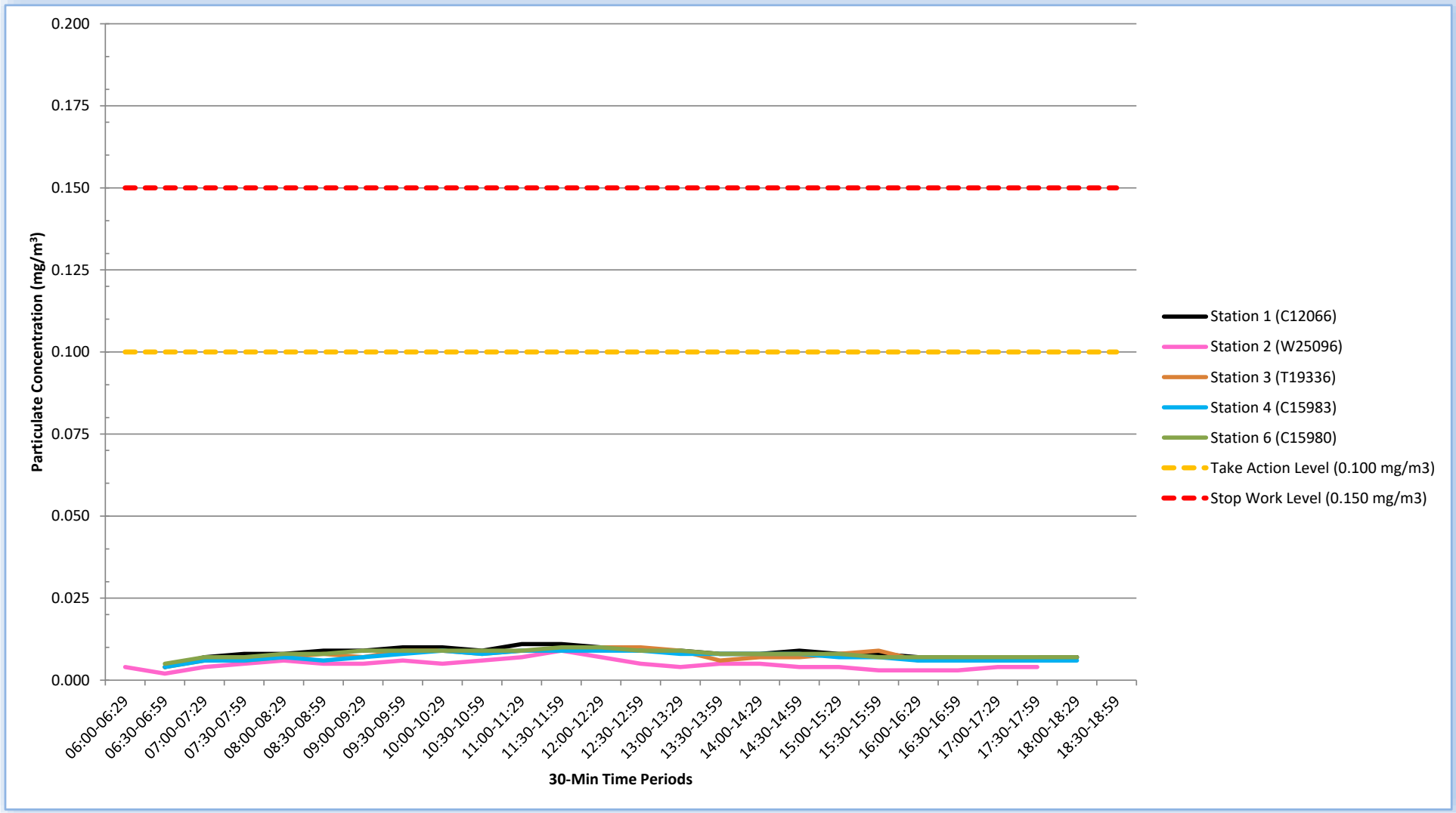
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29		0.004				183	10.9
06:30-06:59	0.004	0.002	0.004	0.004	0.005	190	10.1
07:00-07:29	0.007	0.004	0.006	0.006	0.007	191	10.7
07:30-07:59	0.008	0.005	0.006	0.006	0.007	192	10.6
08:00-08:29	0.008	0.006	0.007	0.007	0.008	195	8.4
08:30-08:59	0.009	0.005	0.008	0.006	0.008	188	9.4
09:00-09:29	0.009	0.005	0.007	0.007	0.009	192	11.7
09:30-09:59	0.010	0.006	0.009	0.008	0.009	195	13.9
10:00-10:29	0.010	0.005	0.009	0.009	0.009	189	8.4
10:30-10:59	0.009	0.006	0.008	0.008	0.009	174	9.2
11:00-11:29	0.011	0.007	0.009	0.009	0.009	164	5.1
11:30-11:59	0.011	0.009	0.009	0.009	0.010	132	10.6
12:00-12:29	0.010	0.007	0.010	0.009	0.010	131	12.2
12:30-12:59	0.009	0.005	0.010	0.009	0.009	115	13.0
13:00-13:29	0.009	0.004	0.009	0.008	0.009	123	13.2
13:30-13:59	0.008	0.005	0.006	0.008	0.008	117	13.4
14:00-14:29	0.008	0.005	0.007	0.008	0.008	131	11.7
14:30-14:59	0.009	0.004	0.007	0.008	0.008	142	11.7
15:00-15:29	0.008	0.004	0.008	0.007	0.008	149	11.1
15:30-15:59	0.008	0.003	0.009	0.007	0.007	165	10.7
16:00-16:29	0.007	0.003	0.006	0.006	0.007	160	12.6
16:30-16:59	0.007	0.003	0.007	0.006	0.007	160	11.6
17:00-17:29	0.007	0.004	0.007	0.006	0.007	158	11.7
17:30-17:59	0.007	0.004	0.007	0.006	0.007	160	11.9
18:00-18:29	0.007			0.006	0.007	149	11.5
18:30-18:59						144	9.8
Daily Average	**0.008**	**0.005**	**0.008**	**0.007**	**0.008**	**152**	**11.0**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/20/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/21/2023

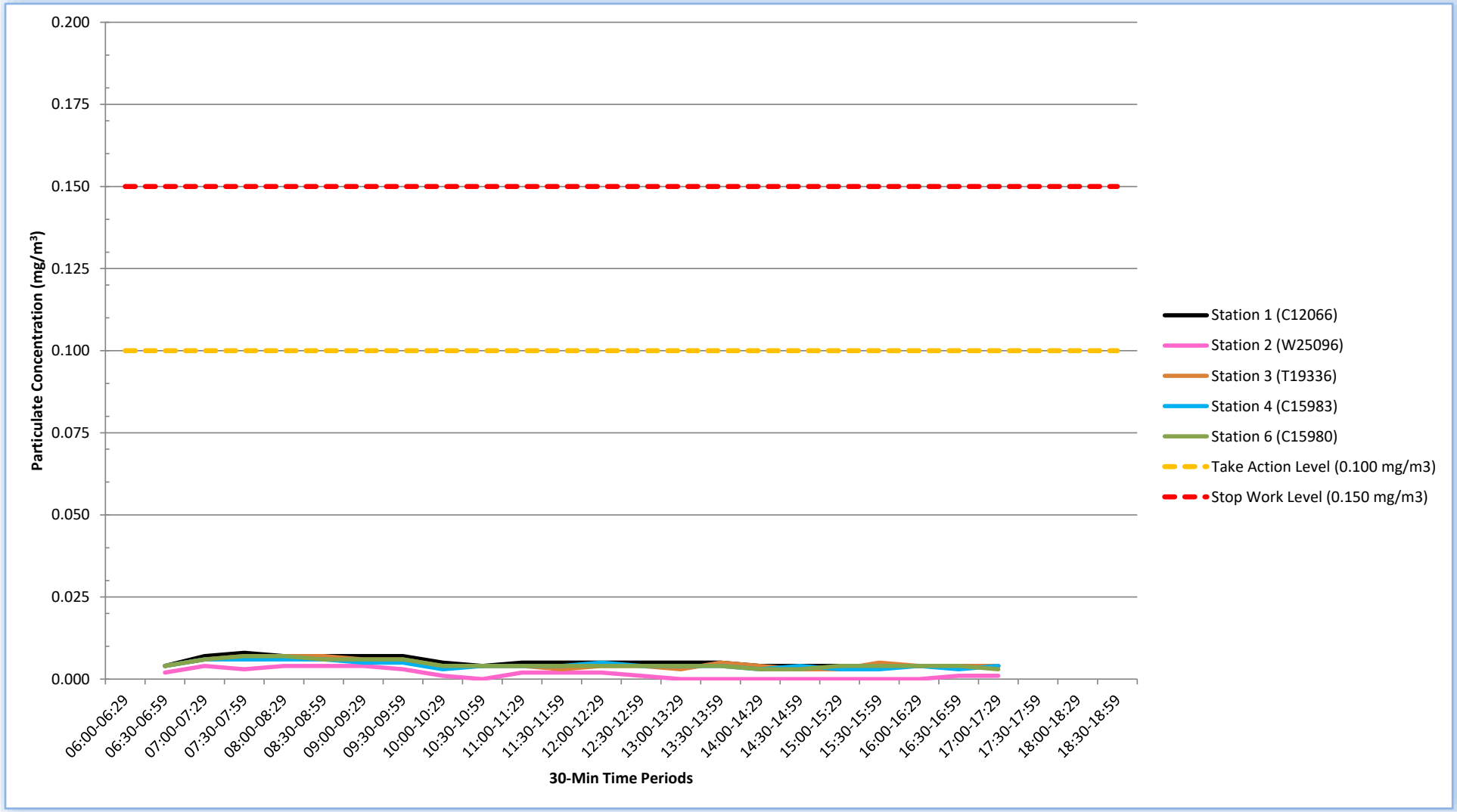
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						153	6.8
06:30-06:59	0.004	0.002	0.004	0.004	0.004	144	6.8
07:00-07:29	0.007	0.004	0.006	0.006	0.006	143	6.5
07:30-07:59	0.008	0.003	0.007	0.006	0.007	146	6.8
08:00-08:29	0.007	0.004	0.007	0.006	0.007	140	6.8
08:30-08:59	0.007	0.004	0.007	0.006	0.006	154	8.0
09:00-09:29	0.007	0.004	0.006	0.005	0.006	158	8.3
09:30-09:59	0.007	0.003	0.006	0.005	0.006	174	7.9
10:00-10:29	0.005	0.001	0.004	0.003	0.004	200	10.3
10:30-10:59	0.004	0.000	0.004	0.004	0.004	185	10.6
11:00-11:29	0.005	0.002	0.004	0.004	0.004	184	8.4
11:30-11:59	0.005	0.002	0.003	0.004	0.004	189	7.8
12:00-12:29	0.005	0.002	0.004	0.005	0.004	160	8.8
12:30-12:59	0.005	0.001	0.004	0.004	0.004	172	8.7
13:00-13:29	0.005	0.000	0.003	0.004	0.004	184	8.4
13:30-13:59	0.005	0.000	0.005	0.004	0.004	201	10.6
14:00-14:29	0.004	0.000	0.004	0.003	0.003	204	9.3
14:30-14:59	0.004	0.000	0.003	0.004	0.003	193	9.3
15:00-15:29	0.004	0.000	0.003	0.003	0.004	180	12.0
15:30-15:59	0.004	0.000	0.005	0.003	0.004	172	11.5
16:00-16:29	0.004	0.000	0.004	0.004	0.004	166	12.4
16:30-16:59	0.004	0.001	0.004	0.003	0.004	161	11.0
17:00-17:29	0.004	0.001	0.004	0.004	0.003	155	9.8
17:30-17:59						152	9.4
18:00-18:29						154	6.5
18:30-18:59						4	4.9
Daily Average	**0.005**	**0.002**	**0.005**	**0.004**	**0.005**	**152**	**8.8**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/21/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/22/2023

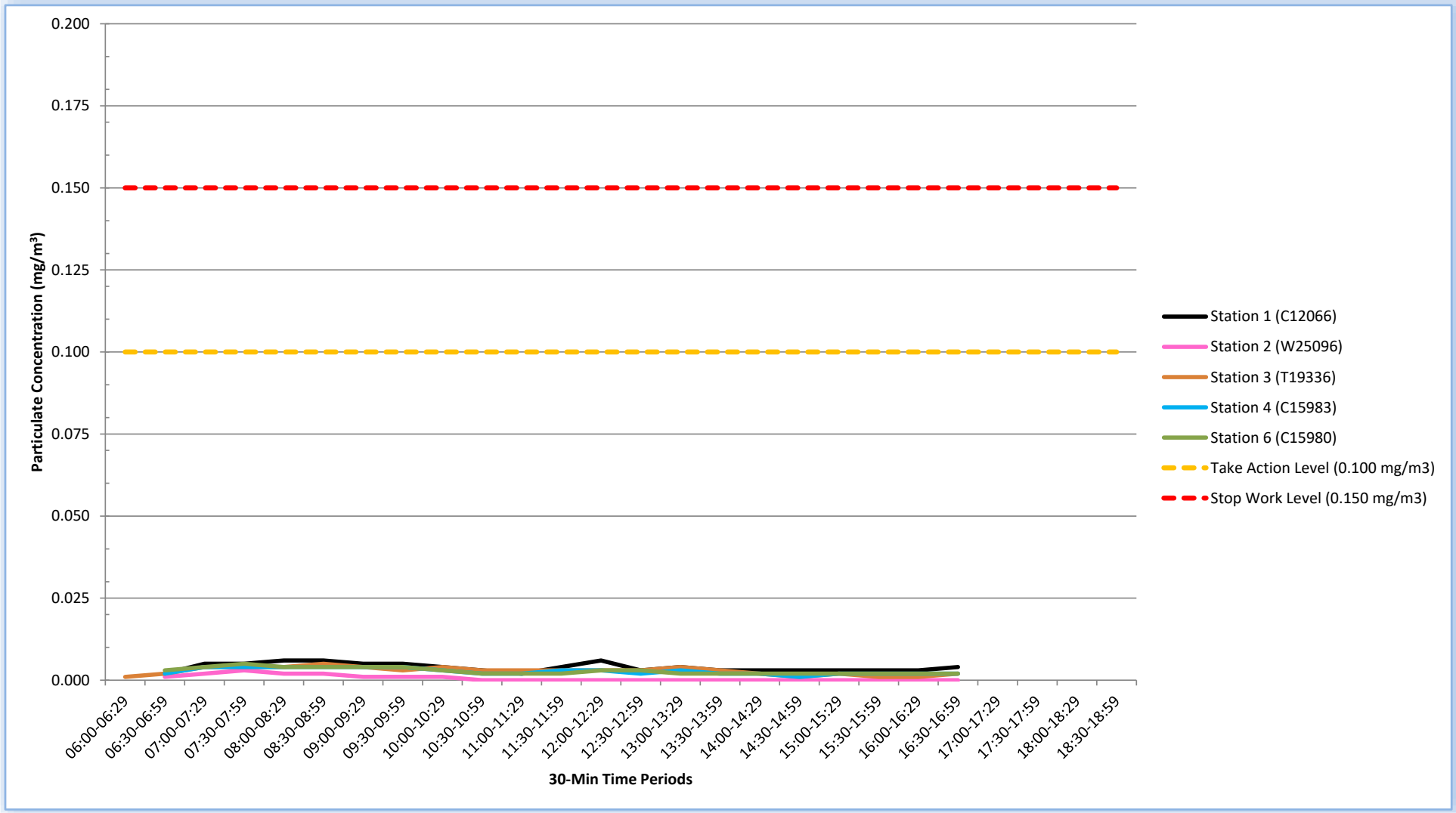
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29			0.001			177	7.2
06:30-06:59	0.002	0.001	0.002	0.002	0.003	172	6.6
07:00-07:29	0.005	0.002	0.004	0.004	0.004	151	6.3
07:30-07:59	0.005	0.003	0.004	0.004	0.005	163	6.1
08:00-08:29	0.006	0.002	0.004	0.004	0.004	171	6.4
08:30-08:59	0.006	0.002	0.005	0.004	0.004	182	8.7
09:00-09:29	0.005	0.001	0.004	0.004	0.004	187	8.5
09:30-09:59	0.005	0.001	0.003	0.004	0.004	192	8.3
10:00-10:29	0.004	0.001	0.004	0.003	0.003	198	8.8
10:30-10:59	0.003	0.000	0.003	0.002	0.002	204	9.5
11:00-11:29	0.002	0.000	0.003	0.002	0.002	206	10.1
11:30-11:59	0.004	0.000	0.003	0.003	0.002	200	11.3
12:00-12:29	0.006	0.000	0.003	0.003	0.003	198	10.5
12:30-12:59	0.003	0.000	0.003	0.002	0.003	199	11.6
13:00-13:29	0.004	0.000	0.004	0.003	0.002	186	10.2
13:30-13:59	0.003	0.000	0.003	0.002	0.002	176	11.0
14:00-14:29	0.003	0.000	0.002	0.002	0.002	178	10.5
14:30-14:59	0.003	0.000	0.001	0.001	0.002	177	9.8
15:00-15:29	0.003	0.000	0.002	0.002	0.002	172	8.8
15:30-15:59	0.003	0.000	0.001	0.002	0.002	163	11.1
16:00-16:29	0.003	0.000	0.001	0.002	0.002		
16:30-16:59	0.004	0.000	0.002	0.002	0.002	172	11.5
17:00-17:29						173	11.3
17:30-17:59						171	11.5
18:00-18:29						162	10.4
18:30-18:59						151	9.7
Daily Average	**0.004**	**0.001**	**0.003**	**0.003**	**0.003**	**156**	**9.4**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/22/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
9/23/2023

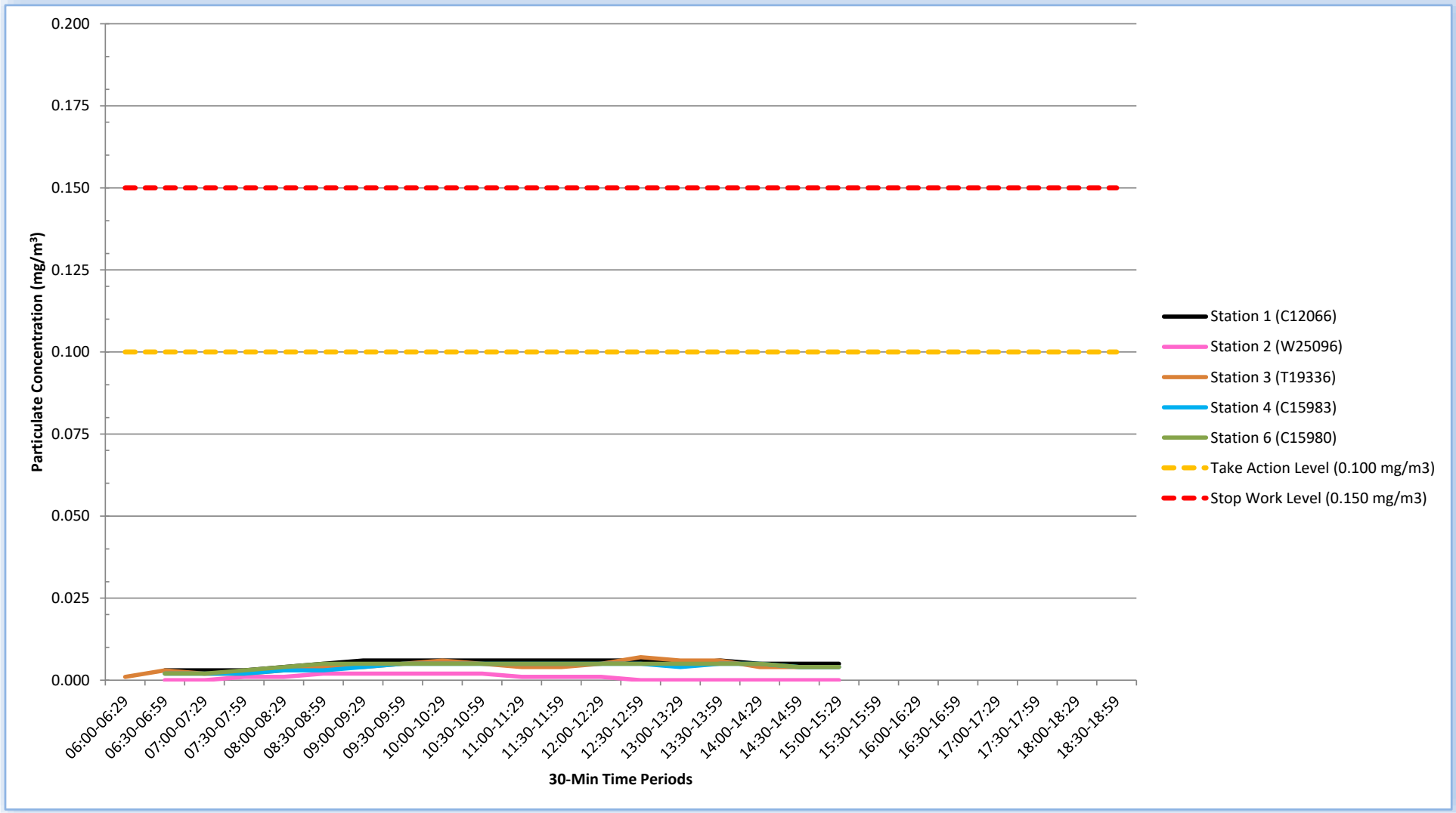
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29			0.001			150	7.6
06:30-06:59	0.003	0.000	0.003	0.002	0.002	148	7.6
07:00-07:29	0.003	0.000	0.002	0.002	0.002	146	5.8
07:30-07:59	0.003	0.001	0.002	0.002	0.003	149	6.1
08:00-08:29	0.004	0.001	0.003	0.003	0.004	156	7.6
08:30-08:59	0.005	0.002	0.004	0.003	0.005	167	6.5
09:00-09:29	0.006	0.002	0.004	0.004	0.005	177	8.5
09:30-09:59	0.006	0.002	0.005	0.005	0.005	182	9.7
10:00-10:29	0.006	0.002	0.006	0.005	0.005	191	8.7
10:30-10:59	0.006	0.002	0.005	0.005	0.005	190	9.5
11:00-11:29	0.006	0.001	0.004	0.005	0.005	194	10.5
11:30-11:59	0.006	0.001	0.004	0.005	0.005	192	12.9
12:00-12:29	0.006	0.001	0.005	0.005	0.005	190	12.8
12:30-12:59	0.006	0.000	0.007	0.005	0.005	190	14.0
13:00-13:29	0.005	0.000	0.006	0.004	0.005	194	13.4
13:30-13:59	0.006	0.000	0.006	0.005	0.005	185	13.0
14:00-14:29	0.005	0.000	0.004	0.005	0.005	183	12.0
14:30-14:59	0.005	0.000	0.004	0.004	0.004	195	12.9
15:00-15:29	0.005	0.000	0.004	0.004	0.004	180	12.8
15:30-15:59						178	13.5
16:00-16:29						178	13.1
16:30-16:59						169	14.0
17:00-17:29						174	13.7
17:30-17:59						182	14.5
18:00-18:29						170	12.4
18:30-18:59						174	12.6
Daily Average	**0.005**	**0.001**	**0.004**	**0.004**	**0.004**	**164**	**11.0**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

9/23/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/10/2023

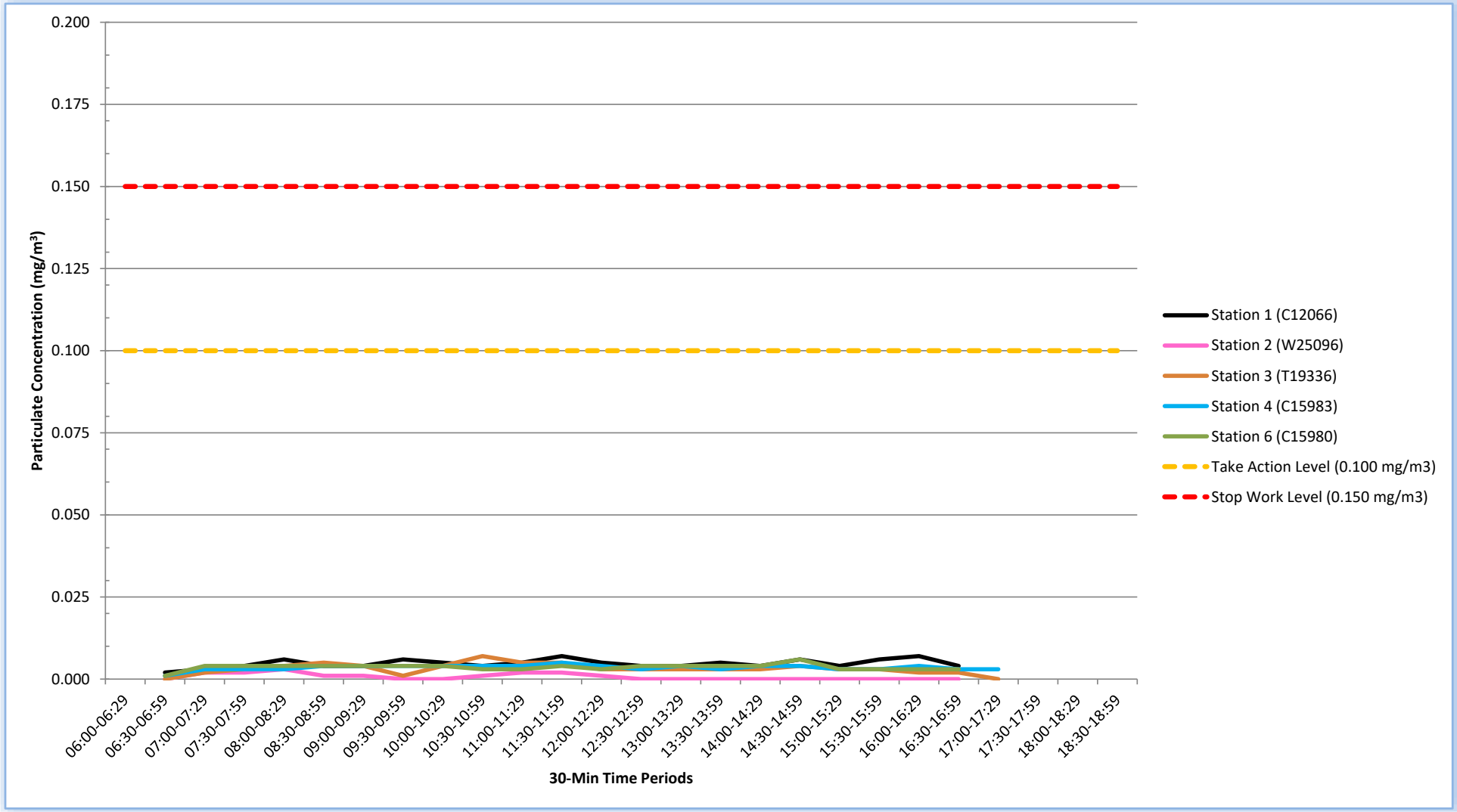
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						180	4.6
06:30-06:59	0.002	0.000	0.000	0.001	0.001	191	5.2
07:00-07:29	0.003	0.002	0.002	0.003	0.004	193	5.2
07:30-07:59	0.004	0.002	0.003	0.003	0.004	189	6.3
08:00-08:29	0.006	0.003	0.004	0.003	0.004	188	6.0
08:30-08:59	0.004	0.001	0.005	0.004	0.004	195	5.5
09:00-09:29	0.004	0.001	0.004	0.004	0.004	199	6.5
09:30-09:59	0.006	0.000	0.001	0.004	0.004	196	7.3
10:00-10:29	0.005	0.000	0.004	0.004	0.004	207	7.3
10:30-10:59	0.004	0.001	0.007	0.004	0.003	213	6.2
11:00-11:29	0.005	0.002	0.005	0.004	0.003	207	5.1
11:30-11:59	0.007	0.002	0.005	0.005	0.004	197	5.4
12:00-12:29	0.005	0.001	0.003	0.004	0.003	195	5.6
12:30-12:59	0.004	0.000	0.003	0.003	0.004	171	6.3
13:00-13:29	0.004	0.000	0.003	0.004	0.004	182	7.6
13:30-13:59	0.005	0.000	0.003	0.003	0.004	186	8.4
14:00-14:29	0.004	0.000	0.003	0.004	0.004	171	8.8
14:30-14:59	0.006	0.000	0.004	0.004	0.006	164	8.2
15:00-15:29	0.004	0.000	0.003	0.003	0.003	182	9.0
15:30-15:59	0.006	0.000	0.003	0.003	0.003	169	10.4
16:00-16:29	0.007	0.000	0.002	0.004	0.003	173	9.6
16:30-16:59	0.004	0.000	0.002	0.003	0.003	172	9.6
17:00-17:29			0.000	0.003		167	9.5
17:30-17:59						160	10.1
18:00-18:29						171	9.9
18:30-18:59						170	10.7
Daily Average	**0.005**	**0.001**	**0.003**	**0.004**	**0.004**	**182**	**7.5**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/10/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/11/2023

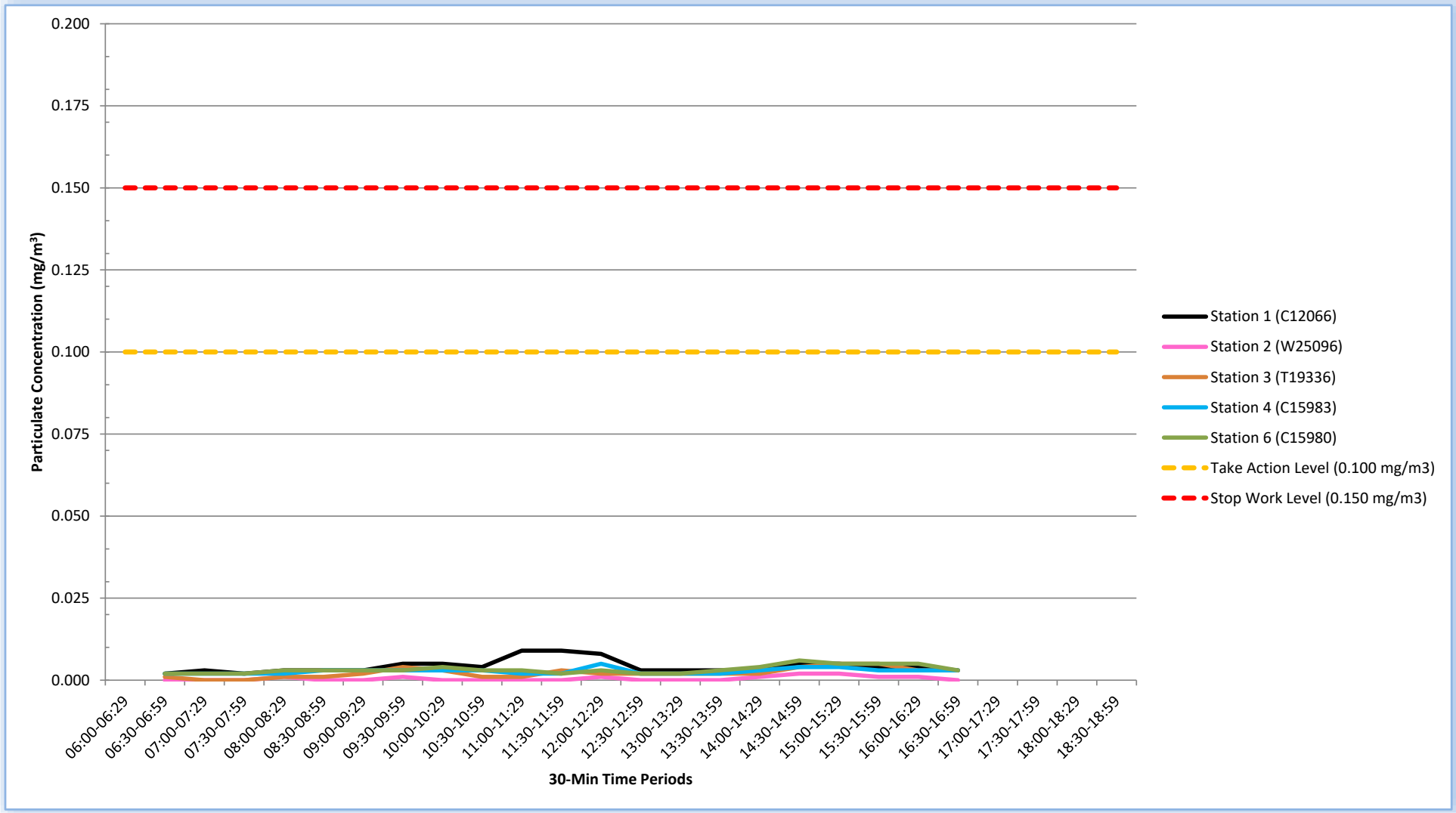
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						155	7.7
06:30-06:59	0.002	0.000	0.001	0.002	0.002	156	9.0
07:00-07:29	0.003	0.000	0.000	0.002	0.002	155	8.7
07:30-07:59	0.002	0.000	0.000	0.002	0.002	156	9.3
08:00-08:29	0.003	0.001	0.001	0.002	0.003	159	9.0
08:30-08:59	0.003	0.000	0.001	0.003	0.003	162	9.0
09:00-09:29	0.003	0.000	0.002	0.003	0.003	164	8.6
09:30-09:59	0.005	0.001	0.004	0.003	0.003	165	11.0
10:00-10:29	0.005	0.000	0.003	0.003	0.004	171	10.9
10:30-10:59	0.004	0.000	0.001	0.003	0.003	163	11.0
11:00-11:29	0.009	0.000	0.001	0.002	0.003	168	10.4
11:30-11:59	0.009	0.000	0.003	0.002	0.002	178	10.8
12:00-12:29	0.008	0.001	0.002	0.005	0.003	180	10.3
12:30-12:59	0.003	0.000	0.002	0.002	0.002	174	11.4
13:00-13:29	0.003	0.000	0.002	0.002	0.002	160	12.9
13:30-13:59	0.003	0.000	0.002	0.002	0.003	156	11.8
14:00-14:29	0.003	0.001	0.002	0.003	0.004	157	12.9
14:30-14:59	0.005	0.002	0.004	0.004	0.006	156	12.1
15:00-15:29	0.005	0.002	0.005	0.004	0.005	148	12.6
15:30-15:59	0.004	0.001	0.005	0.003	0.005	150	13.7
16:00-16:29	0.004	0.001	0.003	0.003	0.005	148	13.7
16:30-16:59	0.003	0.000	0.003	0.003	0.003	148	13.3
17:00-17:29						147	14.5
17:30-17:59						148	12.7
18:00-18:29						148	12.6
18:30-18:59						149	11.8
Daily Average	**0.004**	**0.000**	**0.002**	**0.003**	**0.003**	**158**	**11.2**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/11/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/12/2023

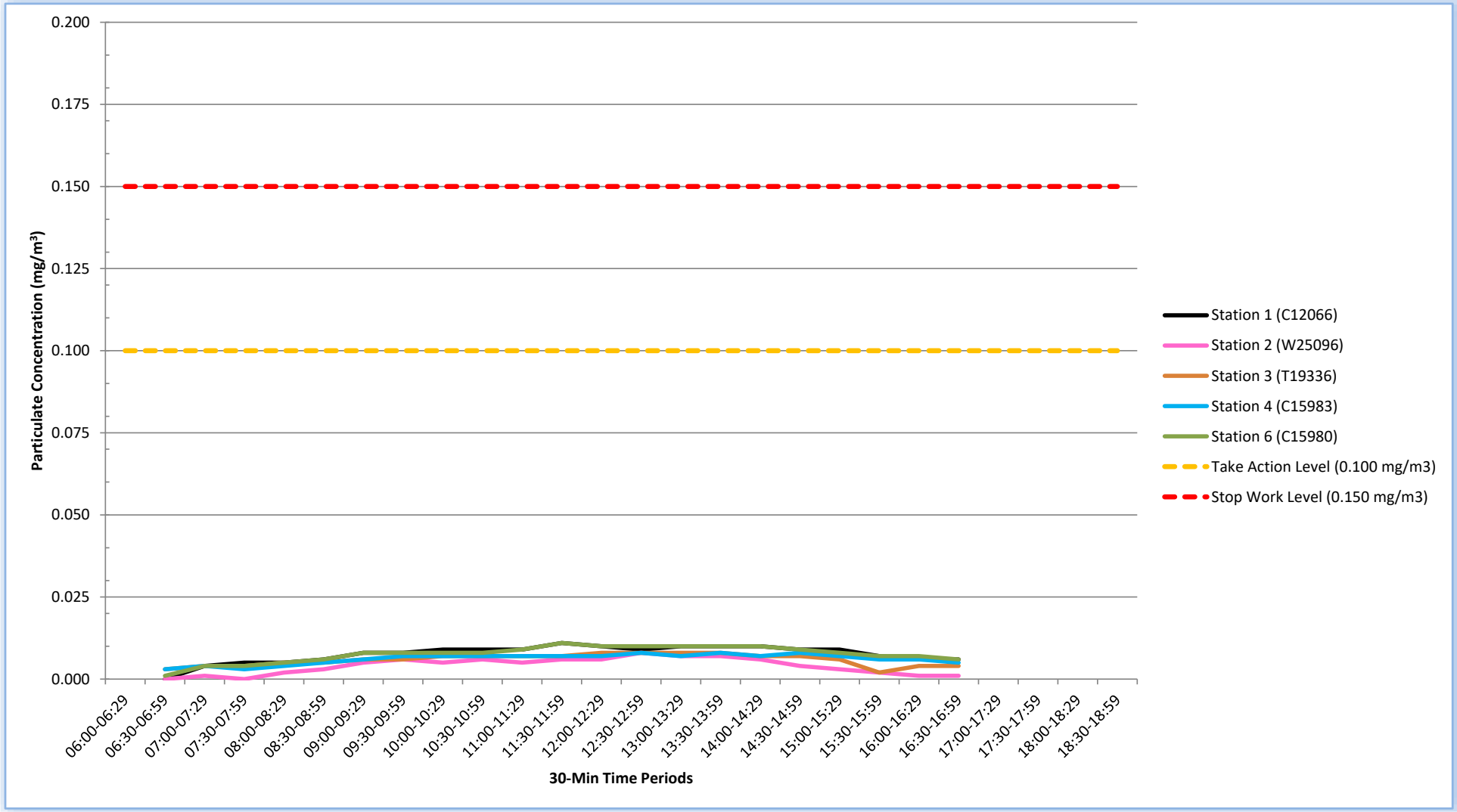
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						141	10.3
06:30-06:59	0.000	0.000	0.003	0.003	0.001	140	10.5
07:00-07:29	0.004	0.001	0.004	0.004	0.004	141	11.2
07:30-07:59	0.005	0.000	0.004	0.003	0.004	140	9.5
08:00-08:29	0.005	0.002	0.005	0.004	0.005	140	10.4
08:30-08:59	0.006	0.003	0.005	0.005	0.006	138	11.7
09:00-09:29	0.008	0.005	0.006	0.006	0.008	146	10.8
09:30-09:59	0.008	0.006	0.006	0.007	0.008	144	12.0
10:00-10:29	0.009	0.005	0.007	0.007	0.008	150	10.2
10:30-10:59	0.009	0.006	0.007	0.007	0.008	151	10.3
11:00-11:29	0.009	0.005	0.007	0.007	0.009	153	12.1
11:30-11:59	0.011	0.006	0.007	0.007	0.011	147	12.7
12:00-12:29	0.010	0.006	0.008	0.007	0.010	149	13.4
12:30-12:59	0.009	0.008	0.008	0.008	0.010	150	13.8
13:00-13:29	0.010	0.007	0.008	0.007	0.010	158	14.1
13:30-13:59	0.010	0.007	0.008	0.008	0.010	151	13.7
14:00-14:29	0.010	0.006	0.007	0.007	0.010	153	14.6
14:30-14:59	0.009	0.004	0.007	0.008	0.009	152	14.2
15:00-15:29	0.009	0.003	0.006	0.007	0.008	151	13.6
15:30-15:59	0.007	0.002	0.002	0.006	0.007	157	12.7
16:00-16:29	0.006	0.001	0.004	0.006	0.007	160	13.8
16:30-16:59	0.006	0.001	0.004	0.005	0.006	157	14.3
17:00-17:29						144	12.6
17:30-17:59						147	12.9
18:00-18:29						149	13.6
18:30-18:59						145	13.1
Daily Average	**0.008**	**0.004**	**0.006**	**0.006**	**0.008**	**149**	**12.4**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/12/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/13/2023

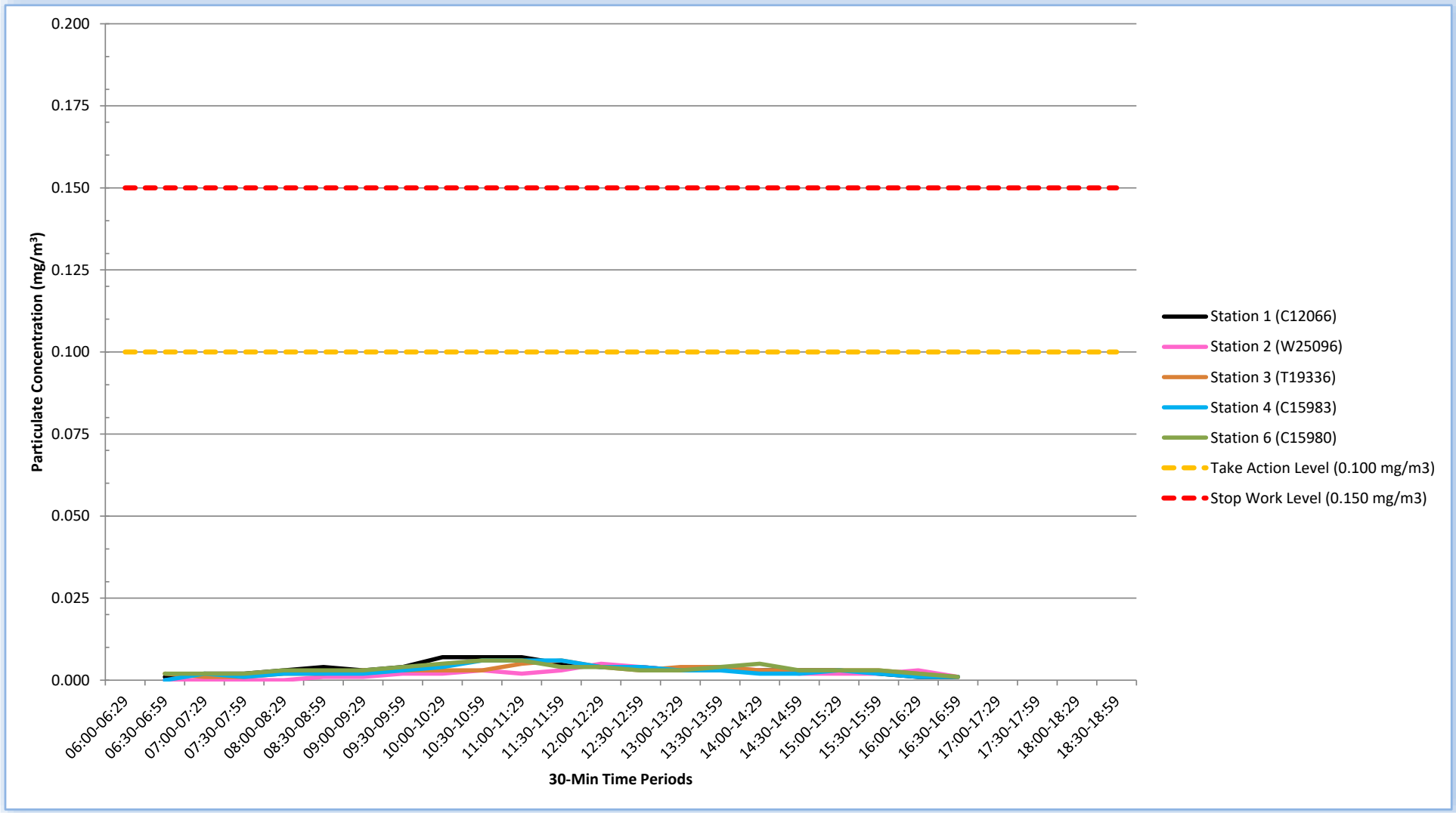
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						171	8.0
06:30-06:59	0.001	0.000	0.002	0.000	0.002	181	10.2
07:00-07:29	0.002	0.000	0.001	0.002	0.002	189	10.0
07:30-07:59	0.002	0.000	0.001	0.001	0.002	195	8.1
08:00-08:29	0.003	0.000	0.002	0.002	0.003	203	7.1
08:30-08:59	0.004	0.001	0.002	0.002	0.003	206	8.8
09:00-09:29	0.003	0.001	0.003	0.002	0.003	221	8.7
09:30-09:59	0.004	0.002	0.003	0.003	0.004	248	8.4
10:00-10:29	0.007	0.002	0.003	0.004	0.005	299	12.3
10:30-10:59	0.007	0.003	0.003	0.006	0.006	324	13.9
11:00-11:29	0.007	0.002	0.005	0.006	0.006	323	12.6
11:30-11:59	0.005	0.003	0.006	0.006	0.004	336	13.6
12:00-12:29	0.004	0.005	0.004	0.004	0.004	328	11.7
12:30-12:59	0.004	0.004	0.003	0.004	0.003	330	12.6
13:00-13:29	0.003	0.003	0.004	0.003	0.003	312	12.7
13:30-13:59	0.003	0.004	0.004	0.003	0.004	310	12.6
14:00-14:29	0.003	0.003	0.003	0.002	0.005	319	11.5
14:30-14:59	0.003	0.002	0.003	0.002	0.003	316	10.9
15:00-15:29	0.003	0.002	0.003	0.003	0.003	315	10.3
15:30-15:59	0.002	0.002	0.003	0.002	0.003	315	11.5
16:00-16:29	0.001	0.003	0.002	0.001	0.002	314	11.2
16:30-16:59	0.001	0.001	0.001	0.001	0.001	317	10.2
17:00-17:29						311	10.0
17:30-17:59						315	10.8
18:00-18:29						314	10.1
18:30-18:59						313	8.5
Daily Average	**0.003**	**0.002**	**0.003**	**0.003**	**0.003**	**280**	**10.6**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/13/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/14/2023

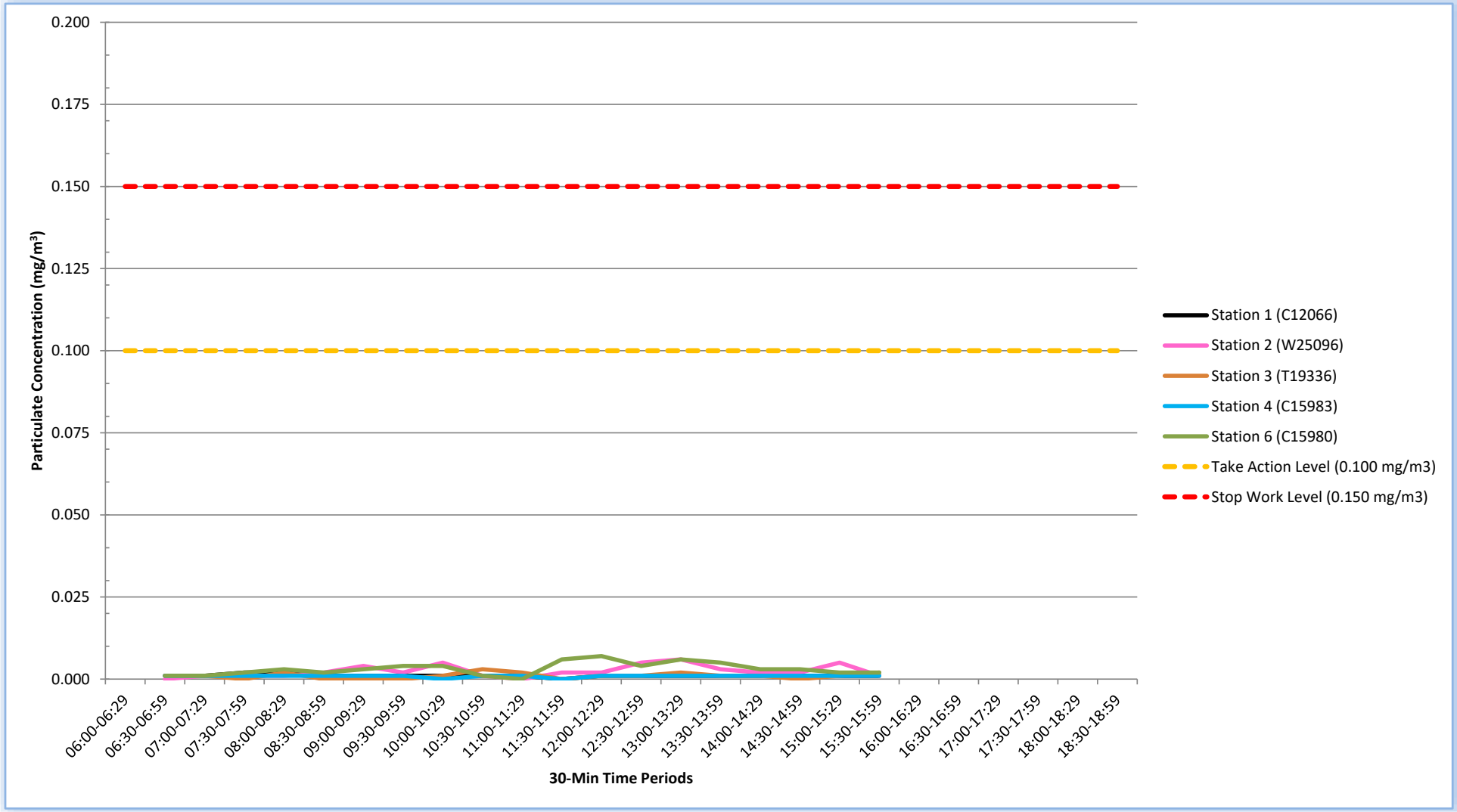
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						314	7.7
06:30-06:59	0.001	0.000	0.001	0.001	0.001	316	7.6
07:00-07:29	0.001	0.001	0.001	0.001	0.001	318	7.1
07:30-07:59	0.002	0.001	0.000	0.001	0.002	309	7.4
08:00-08:29	0.002	0.001	0.002	0.001	0.003	310	6.9
08:30-08:59	0.001	0.002	0.000	0.001	0.002	320	8.3
09:00-09:29	0.001	0.004	0.000	0.001	0.003	324	9.6
09:30-09:59	0.001	0.002	0.000	0.001	0.004	331	10.4
10:00-10:29	0.001	0.005	0.001	0.000	0.004	335	10.2
10:30-10:59	0.001	0.001	0.003	0.001	0.001	330	10.6
11:00-11:29	0.001	0.000	0.002	0.001	0.000	320	9.1
11:30-11:59	0.000	0.002	0.000	0.000	0.006	316	9.2
12:00-12:29	0.001	0.002	0.001	0.001	0.007	315	9.5
12:30-12:59	0.001	0.005	0.001	0.001	0.004	312	10.9
13:00-13:29	0.001	0.006	0.002	0.001	0.006	319	10.6
13:30-13:59	0.001	0.003	0.001	0.001	0.005	319	11.1
14:00-14:29	0.001	0.002	0.001	0.001	0.003	318	11.1
14:30-14:59	0.001	0.002	0.000	0.001	0.003	318	11.0
15:00-15:29	0.001	0.005	0.001	0.001	0.002	321	11.2
15:30-15:59	0.001	0.001	0.002	0.001	0.002	321	10.4
16:00-16:29						331	10.5
16:30-16:59						336	11.4
17:00-17:29						312	10.4
17:30-17:59						319	9.0
18:00-18:29						318	9.2
18:30-18:59						329	7.3
Daily Average	**0.001**	**0.002**	**0.001**	**0.001**	**0.003**	**326**	**9.5**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/14/2023



Daily Summary Report Table
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX
10/16/2023

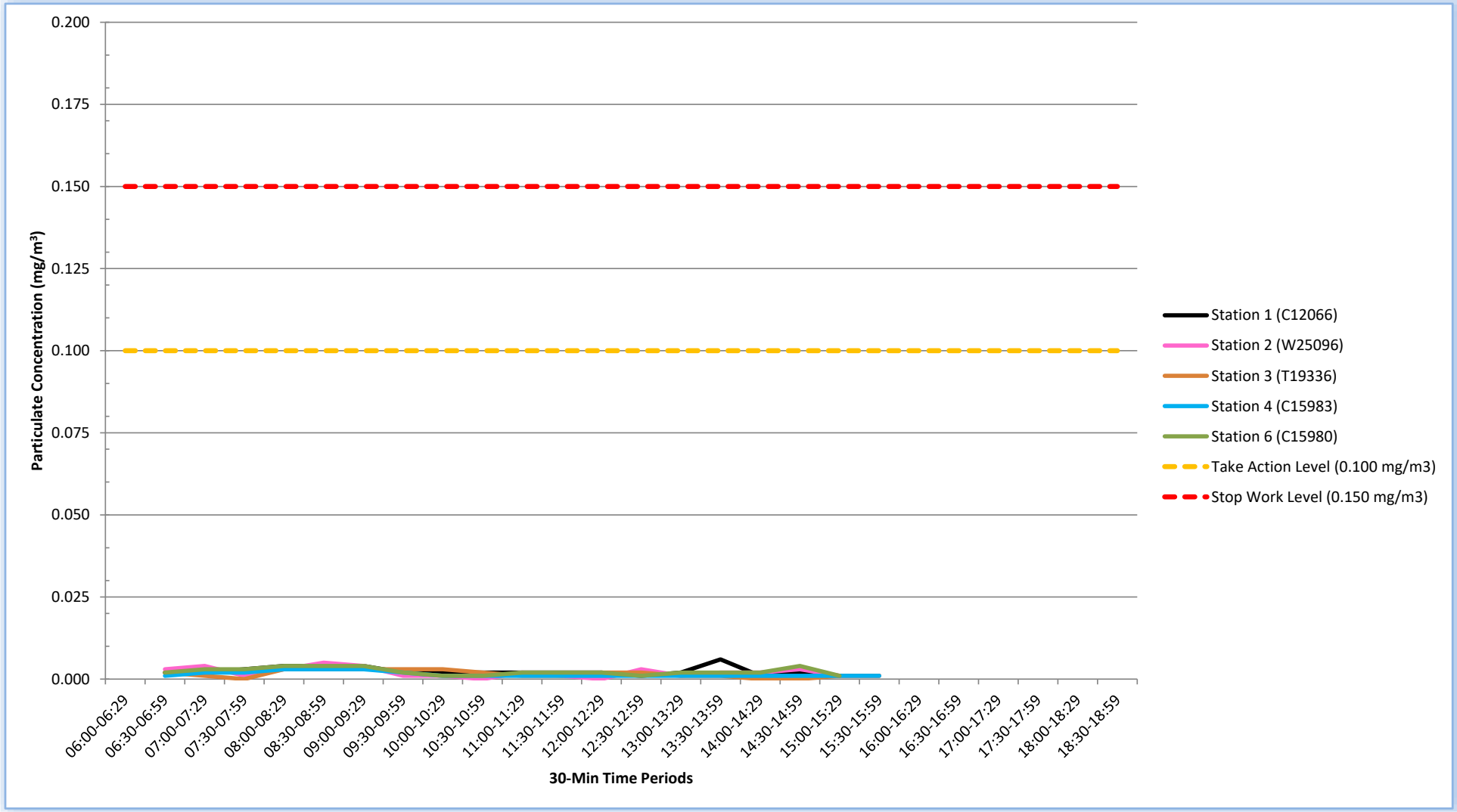
Time Interval (30-min)	Station 1 (C12066) (mg/m3)	Station 2 (W25096) (mg/m3)	Station 3 (T19336) (mg/m3)	Station 4 (C15983) (mg/m3)	Station 6 (C15980) (mg/m3)	Wind Direction (from N)	Wind Speed (mph)
06:00-06:29						346	3.9
06:30-06:59	0.002	0.003	0.002	0.001	0.002	352	5.2
07:00-07:29	0.002	0.004	0.001	0.002	0.003	354	5.0
07:30-07:59	0.003	0.001	0.000	0.002	0.003	347	4.3
08:00-08:29	0.004	0.003	0.003	0.003	0.004	348	4.5
08:30-08:59	0.004	0.005	0.003	0.003	0.004	348	6.7
09:00-09:29	0.004	0.004	0.003	0.003	0.004	348	7.3
09:30-09:59	0.002	0.001	0.003	0.002	0.002	350	8.0
10:00-10:29	0.002	0.001	0.003	0.001	0.001	353	8.3
10:30-10:59	0.002	0.000	0.002	0.001	0.001	353	9.0
11:00-11:29	0.002	0.002	0.001	0.001	0.002	348	10.0
11:30-11:59	0.002	0.001	0.001	0.001	0.002	351	9.9
12:00-12:29	0.002	0.000	0.002	0.001	0.002	346	9.5
12:30-12:59	0.001	0.003	0.002	0.001	0.001	346	8.7
13:00-13:29	0.002	0.001	0.001	0.001	0.002	329	9.9
13:30-13:59	0.006	0.002	0.001	0.001	0.002	326	8.1
14:00-14:29	0.001	0.002	0.000	0.001	0.002	326	8.4
14:30-14:59	0.002	0.003	0.000	0.001	0.004	319	8.2
15:00-15:29	0.001	0.001	0.001	0.001	0.001	329	7.4
15:30-15:59		0.001	0.001	0.001		339	7.9
16:00-16:29						319	7.8
16:30-16:59						327	6.7
17:00-17:29						333	7.5
17:30-17:59						336	6.5
18:00-18:29						331	6.8
18:30-18:59						340	5.6
Daily Average	**0.002**	**0.002**	**0.002**	**0.001**	**0.002**	**344**	**7.4**

Notes:

- Blank data records indicate no data is available for that interval
- Average Wind Direction calculated with unit vector averaging method

Daily Summary Report Graph
(30-Min Average Values)
Real-Time Perimeter Particulate (PM-10) Monitoring Data
Exide Technologies - Frisco, TX

10/16/2023



Data Usability Summary

To:	Tim Jennings	Date:	October 17, 2023
From:	Madeline Mertes	File:	Frisco 2023-09 Air Monitoring DUS.docx
RE:	Review of September 2023 Air Monitoring Data	CC:	Brenda Basile

WSP USA Inc (WSP) reviewed eight laboratory reports from ALS Environmental (Salt Lake City, Utah) providing the analytical results for air monitoring samples collected September 6 to September 29, 2023 from the Frisco Community Development Site. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the potential off-site exposure during remediation activities to chemicals of concern (COC).

Samples were analyzed for cadmium and lead using the analytical method listed below.

- NIOSH 7300 Mod., MCE – Elements by ICP

TCEQ does not offer accreditation for National Institute of Occupational Safety and Health (NIOSH) analytical methods. ALS is accredited by the American Industrial Hygiene Association (AIHA) for the analysis of elements by inductively coupled plasma (ICP) (Certificate 101574). Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Field and laboratory blank concentrations and laboratory control sample precision and accuracy results were evaluated from data presented in the QC section of the laboratory report.

PRESERVATION AND HOLDING TIMES

There are no preservation or holding time requirements for NIOSH 7300.

CALIBRATIONS

No calibration data were provided in the laboratory report.

BLANKS

No analytes were detected in field or laboratory blanks.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the laboratory acceptance criteria of 90 to 111 percent recovery (%R) for cadmium and 92 to 113 %R for lead. LCS/LCSD precision (as relative percent difference [RPD]) was less than the laboratory acceptance criteria of 15 RPD.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spike/matrix spike duplicate (MS/MSD) analyses are not applicable to the method.

FIELD PRECISION

Field duplicate (as co-located) samples were not collected.

SUMMARY

Data are usable for determining concentrations of cadmium and lead in air samples. No data were qualified by the reviewer. Note that the laboratory uses "()" to denote concentrations between the limit of detection (sample detection limit) and the limit of quantitation (method quantitation limit). This data should be considered as estimated (J).

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Cadmium / Lead	Comment
FOPR-230906-UW-983	2325018001	X	
FOPR-230906-DW-980	2325018002	X	
FOPR-230906-DW-066	2325018003	X	
FOPR-230906-DW-096	2325018004	X	
FOPR-230906-DW-336	2325018005	X	
FOPR-230906-DW-096-FB	2325018006	X	Field Blank
FOPR-230906-DW-096-TB	2325018007	X	Trip Blank
FOPR-230907-UW-066	2325139001	X	
FOPR-230907-DW-096	2325139002	X	
FOPR-230907-DW-336	2325139003	X	
FOPR-230907-DW-983	2325139004	X	
FOPR-230907-DW-980	2325139005	X	
FOPR-230919-UW-336	2326517001	X	
FOPR-230919-DW-096	2326517002	X	
FOPR-230919-DW-980	2326517003	X	
FOPR-230919-DW-983	2326517004	X	
FOPR-230919-DW-066	2326517005	X	
FOPR-230919-DW-096	2326424001	X	
FOPR-230919-DW-980	2326424002	X	
FOPR-230919-DW-983	2326424003	X	
FOPR-230919-DW-066	2326424004	X	
FOPR-230919-DW-336	2326424005	X	
FOPR-230919-DW-096-FB	2326424006	X	Field Blank
FOPR-230922-UW-336	2326812001	X	
FOPR-230922-DW-096	2326812002	X	
FOPR-230922-DW-980	2326812003	X	
FOPR-230922-DW-983	2326812004	X	
FOPR-230922-DW-066	2326812005	X	
FOPR-230925-DW-066	2326943001	X	
FOPR-230925-DW-983	2326943002	X	
FOPR-230925-DW-096	2326943003	X	
FOPR-230925-DW-336	2326943004	X	
FOPR-230925-UW-980	2326943005	X	
FOPR-230925-DW-096-FB	2326943006	X	Field Blank
FOPR-230927-UW-096	2327122001	X	
FOPR-230927-DW-336	2327122002	X	
FOPR-230927-DW-983	2327122003	X	

Field Identification	Laboratory Identification	Cadmium / Lead	Comment
FOPR-230927-DW-066	2327122004	X	
FOPR-230927-DW-980	2327122005	X	
FOPR-230929-DW-980	2327512001	X	
FOPR-230929-DW-980	2327512002	X	
FOPR-230929-DW-096	2327512003	X	
FOPR-230929-DW-066	2327512004	X	
FOPR-230929-UP-336	2327512005	X	

ANALYTICAL REPORT

Report Date: September 08, 2023

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2325018**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230906-UW-983**
Lab ID: 2325018001
Sampling Location: Frisco Development
Collected: 09/06/2023
Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4438 L
Instrument: ICP14
Prepared: 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Sample ID: **FOPR-230906-DW-980**
Lab ID: 2325018002
Sampling Location: Frisco Development
Collected: 09/06/2023
Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4416 L
Instrument: ICP14
Prepared: 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Sample ID: **FOPR-230906-DW-066**
Lab ID: 2325018003
Sampling Location: Frisco Development
Collected: 09/06/2023
Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4308 L
Instrument: ICP14
Prepared: 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	**(0.20)**	**(0.046)**	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2325018**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230906-DW-096** Collected: 09/06/2023
Lab ID: 2325018004 Sampling Location: Frisco Development Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4311 L **Prepared:** 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230906-DW-336** Collected: 09/06/2023
Lab ID: 2325018005 Sampling Location: Frisco Development Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4316 L **Prepared:** 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230906-DW-096-FB** Collected: 09/06/2023
Lab ID: 2325018006 Sampling Location: Frisco Development Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 0 L **Prepared:** 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Sample ID: **FOPR-230906-DW-096-TB** Collected: 09/06/2023
Lab ID: 2325018007 Sampling Location: Frisco Development Received: 09/07/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 0 L **Prepared:** 09/07/2023 (310394)
Analyzed: 09/08/2023 (310419)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (310419)	/S/ Joanna C. Sanchez 09/08/2023 11:24	/S/ Ethan Hamilton 09/08/2023 17:05

ANALYTICAL REPORT

Workorder: **34-2325018**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter.
Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results.
Samples have not been blank corrected unless otherwise noted.
This test report shall not be reproduced, except in full, without written approval of ALS.

ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2325018

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33168 (HBN: 310394)	**Batch:**	IICP/18877 (HBN: 310419)
		Prepared By:	Phillip Rich	**Analyzed By:**	Joanna C. Sanchez

Blank

LRB: 833423
Analyzed: 09/08/2023 07:56
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 833424
Analyzed: 09/08/2023 07:58
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 833425
Analyzed: 09/08/2023 07:59
Dilution: 1
Units: ug/sample

LCSD: 833426
Analyzed: 09/08/2023 08:01
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	9.84	10.0	98.4	89.8	111.0	9.95	99.5	1.11	0.0	15.0
Lead	101	100	101	92.5	112.9	102	102	1.23	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2325018	/S/ Joanna C. Sanchez 09/08/2023 11:24	/S/ Ethan Hamilton 09/08/2023 17:05

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
◓ - Sample and Matrix Duplicate less than 5 times the reporting limit
● - Result is above the calibration range
- The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: September 11, 2023

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2325139**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230907-UW-066**
Lab ID: 2325139001
Sampling Location: Frisco Development
Collected: 09/07/2023
Received: 09/08/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4495 L
Instrument: ICP14
Prepared: 09/08/2023 (310440)
Analyzed: 09/11/2023 (310477)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0050	0.023	0.075
Lead	**(0.25)**	**(0.056)**	0.15	0.50

Sample ID: **FOPR-230907-DW-096**
Lab ID: 2325139002
Sampling Location: Frisco Development
Collected: 09/07/2023
Received: 09/08/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4407 L
Instrument: ICP14
Prepared: 09/08/2023 (310440)
Analyzed: 09/11/2023 (310477)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Sample ID: **FOPR-230907-DW-336**
Lab ID: 2325139003
Sampling Location: Frisco Development
Collected: 09/07/2023
Received: 09/08/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4410 L
Instrument: ICP14
Prepared: 09/08/2023 (310440)
Analyzed: 09/11/2023 (310477)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2325139**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230907-DW-983**
Lab ID: 2325139004
Sampling Location: Frisco Development
Collected: 09/07/2023
Received: 09/08/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4371 L
Instrument: ICP14
Prepared: 09/08/2023 (310440)
Analyzed: 09/11/2023 (310477)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Sample ID: **FOPR-230907-DW-980**
Lab ID: 2325139005
Sampling Location: Frisco Development
Collected: 09/07/2023
Received: 09/08/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4421 L
Instrument: ICP14
Prepared: 09/08/2023 (310440)
Analyzed: 09/11/2023 (310477)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (310477)	/S/ Joanna C. Sanchez 09/11/2023 13:48	/S/ Kristie F. Bitner 09/11/2023 15:05

Laboratory Contact Information

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960 W Levoy Drive
Salt Lake City, Utah 84123

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Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2325139**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter.
Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results.
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Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2325139

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33175 (HBN: 310440)	**Batch:**	IICP/18879 (HBN: 310477)
		Prepared By:	Phillip Rich	**Analyzed By:**	Joanna C. Sanchez

Blank

LRB: 833550
Analyzed: 09/11/2023 10:51
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 833551
Analyzed: 09/11/2023 10:53
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 833552
Analyzed: 09/11/2023 10:54
Dilution: 1
Units: ug/sample

LCSD: 833553
Analyzed: 09/11/2023 10:56
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	9.82	10.0	98.2	89.8	111.0	9.91	99.1	0.836	0.0	15.0
Lead	102	100	102	92.5	112.9	102	102	0.677	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2325139	/S/ Joanna C. Sanchez 09/11/2023 13:48	/S/ Kristie F. Bitner 09/11/2023 15:05

Symbols and Definitions

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RPD - Relative % Difference (Spike / Spike Duplicate)
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NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: September 25, 2023

Grant Sherwood
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P.O. Box 587
2735 South 10th Street
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Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2326517**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230919-UW-336**
Lab ID: 2326517001
Sampling Location: Frisco Development Corporation
Collected: 09/21/2023
Received: 09/22/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4851 L
Instrument: ICP13
Prepared: 09/22/2023 (310843)
Analyzed: 09/25/2023 (310878)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000046	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Sample ID: **FOPR-230919-DW-096**
Lab ID: 2326517002
Sampling Location: Frisco Development C
Collected: 09/21/2023
Received: 09/22/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4840 L
Instrument: ICP13
Prepared: 09/22/2023 (310843)
Analyzed: 09/25/2023 (310878)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000046	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Sample ID: **FOPR-230919-DW-980**
Lab ID: 2326517003
Sampling Location: Frisco Development C
Collected: 09/21/2023
Received: 09/22/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4864 L
Instrument: ICP13
Prepared: 09/22/2023 (310843)
Analyzed: 09/25/2023 (310878)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000046	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2326517**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230919-DW-983**
Lab ID: 2326517004
Sampling Location: Frisco Development C
Collected: 09/21/2023
Received: 09/22/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4813 L
Instrument: ICP13
Prepared: 09/22/2023 (310843)
Analyzed: 09/25/2023 (310878)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Sample ID: **FOPR-230919-DW-066**
Lab ID: 2326517005
Sampling Location: Frisco Development C
Collected: 09/21/2023
Received: 09/22/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4870 L
Instrument: ICP13
Prepared: 09/22/2023 (310843)
Analyzed: 09/25/2023 (310878)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000046	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (310878)	/S/ Peter P. Steen 09/25/2023 13:20	/S/ Ethan Hamilton 09/25/2023 14:18

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
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Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2326517**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

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	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

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( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2326517

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33241 (HBN: 310843)	**Batch:**	IICP/18902 (HBN: 310878)
		Prepared By:	Phillip Rich	**Analyzed By:**	Peter P. Steen

Blank

LRB: 834977
Analyzed: 09/25/2023 10:59
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 834978
Analyzed: 09/25/2023 11:01
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 834979
Analyzed: 09/25/2023 11:02
Dilution: 1
Units: ug/sample

LCSD: 834980
Analyzed: 09/25/2023 11:04
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	10.0	10.0	100	89.8	111.0	9.91	99.1	1.17	0.0	15.0
Lead	101	100	101	92.5	112.9	99.5	99.5	1.73	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2326517	/S/ Peter P. Steen 09/25/2023 13:20	/S/ Ethan Hamilton 09/25/2023 14:18

Symbols and Definitions

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- ◓ - Sample and Matrix Duplicate less than 5 times the reporting limit
- ● - Result is above the calibration range
- # - The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: September 26, 2023

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2735 South 10th Street
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Workorder: **34-2326424**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230919-DW-096** Collected: 09/19/2023
Lab ID: 2326424001 Sampling Location: Frisco Development Corporation Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4376 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0051	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Sample ID: **FOPR-230919-DW-980** Collected: 09/19/2023
Lab ID: 2326424002 Sampling Location: Frisco Development C Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4328 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230919-DW-983** Collected: 09/19/2023
Lab ID: 2326424003 Sampling Location: Frisco Development C Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4322 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	**(0.20)**	**(0.045)**	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2326424**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230919-DW-066** Collected: 09/19/2023
Lab ID: 2326424004 Sampling Location: Frisco Development C Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4328 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230919-UW-336** Collected: 09/19/2023
Lab ID: 2326424005 Sampling Location: Frisco Development C Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4320 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230919-DW-096-FB** Collected: 09/19/2023
Lab ID: 2326424006 Sampling Location: Frisco Development C Received: 09/21/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 0 L **Prepared:** 09/22/2023 (310829)
Analyzed: 09/26/2023 (310897)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (310897)	/S/ Joanna C. Sanchez 09/26/2023 11:22	/S/ Ethan Hamilton 09/26/2023 13:20

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2326424**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

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	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

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ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
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( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2326424

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33238 (HBN: 310829)	**Batch:**	IICP/18904 (HBN: 310897)
		Prepared By:	Phillip Rich	**Analyzed By:**	Joanna C. Sanchez

Blank

LRB: 834927
Analyzed: 09/26/2023 07:39
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 834928
Analyzed: 09/26/2023 07:41
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 834929
Analyzed: 09/26/2023 07:43
Dilution: 1
Units: ug/sample

LCSD: 834930
Analyzed: 09/26/2023 07:45
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	10.2	10.0	102	89.8	111.0	10.1	101	1.16	0.0	15.0
Lead	104	100	104	92.5	112.9	103	103	1.22	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2326424	/S/ Joanna C. Sanchez 09/26/2023 11:22	/S/ Ethan Hamilton 09/26/2023 13:20

Symbols and Definitions

* - Analyte above reporting limit or outside of control limits
▲ - Sample result is greater than 4 times the spike added
◓ - Sample and Matrix Duplicate less than 5 times the reporting limit
● - Result is above the calibration range
- The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: September 27, 2023

Grant Sherwood
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P.O. Box 587
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Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2326812**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230922-UW-336**
Lab ID: 2326812001
Sampling Location: Frisco Development
Collected: 09/22/2023
Received: 09/25/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 5436 L
Instrument: ICP14
Prepared: 09/26/2023 (310909)
Analyzed: 09/27/2023 (310943)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0041	0.023	0.075
Lead	<0.15	<0.028	0.15	0.50

Sample ID: **FOPR-230922-DW-096**
Lab ID: 2326812002
Sampling Location: Frisco Development
Collected: 09/22/2023
Received: 09/25/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 5051 L
Instrument: ICP14
Prepared: 09/26/2023 (310909)
Analyzed: 09/27/2023 (310943)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0045	0.023	0.075
Lead	<0.15	<0.030	0.15	0.50

Sample ID: **FOPR-230922-DW-980**
Lab ID: 2326812003
Sampling Location: Frisco Development
Collected: 09/22/2023
Received: 09/25/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4941 L
Instrument: ICP14
Prepared: 09/26/2023 (310909)
Analyzed: 09/27/2023 (310943)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0046	0.023	0.075
Lead	<0.15	<0.030	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2326812**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230922-DW-983**
Lab ID: 2326812004
Sampling Location: Frisco Development
Collected: 09/22/2023
Received: 09/25/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4951 L
Instrument: ICP14
Prepared: 09/26/2023 (310909)
Analyzed: 09/27/2023 (310943)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0045	0.023	0.075
Lead	<0.15	<0.030	0.15	0.50

Sample ID: **FOPR-230922-DW-066**
Lab ID: 2326812005
Sampling Location: Frisco Development
Collected: 09/22/2023
Received: 09/25/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4895 L
Instrument: ICP14
Prepared: 09/26/2023 (310909)
Analyzed: 09/27/2023 (310943)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0046	0.023	0.075
Lead	<0.15	<0.031	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (310943)	/S/ Joanna C. Sanchez 09/27/2023 11:26	/S/ Ethan Hamilton 09/27/2023 15:45

Laboratory Contact Information

ALS Environmental
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Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2326812**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
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Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results.
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	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2326812

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33243 (HBN: 310909)	**Batch:**	IICP/18906 (HBN: 310943)
		Prepared By:	Phillip Rich	**Analyzed By:**	Joanna C. Sanchez

Blank

LRB: 835177
Analyzed: 09/27/2023 08:52
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 835178
Analyzed: 09/27/2023 08:54
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 835179
Analyzed: 09/27/2023 08:56
Dilution: 1
Units: ug/sample

LCSD: 835180
Analyzed: 09/27/2023 08:57
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	9.98	10.0	99.8	89.8	111.0	9.85	98.5	1.28	0.0	15.0
Lead	102	100	102	92.5	112.9	100	100	1.14	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2326812	/S/ Joanna C. Sanchez 09/27/2023 11:26	/S/ Ethan Hamilton 09/27/2023 15:45

Symbols and Definitions

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✹ - Result is above the calibration range
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RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: September 29, 2023

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2326943**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230925-DW-066**
Lab ID: 2326943001
Sampling Location: Frisco Development C
Collected: 09/25/2023
Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4784 L
Instrument: ICP14
Prepared: 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0047	0.023	0.075
Lead	**(0.17)**	**(0.036)**	0.15	0.50

Sample ID: **FOPR-230925-DW-983**
Lab ID: 2326943002
Sampling Location: Frisco Development C
Collected: 09/25/2023
Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4735 L
Instrument: ICP14
Prepared: 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000048	0.023	0.075
Lead	<0.15	<0.000032	0.15	0.50

Sample ID: **FOPR-230925-DW-096**
Lab ID: 2326943003
Sampling Location: Frisco Development C
Collected: 09/25/2023
Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4713 L
Instrument: ICP14
Prepared: 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000048	0.023	0.075
Lead	<0.15	<0.000032	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2326943**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230925-DW-336** Collected: 09/25/2023
Lab ID: 2326943004 Sampling Location: Frisco Development C Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4726 L **Prepared:** 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000048	0.023	0.075
Lead	<0.15	<0.000032	0.15	0.50

Sample ID: **FOPR-230925-UW-980** Collected: 09/25/2023
Lab ID: 2326943005 Sampling Location: Frisco Development C Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 4716 L **Prepared:** 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000048	0.023	0.075
Lead	<0.15	<0.000032	0.15	0.50

Sample ID: **FOPR-230925-DW-096-FB** Collected: 09/25/2023
Lab ID: 2326943006 Sampling Location: Frisco Development C Received: 09/26/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP14
Dilution: 1 **Sampling Parameter:** Air Volume 0 L **Prepared:** 09/27/2023 (310955)
Analyzed: 09/28/2023 (311000)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (311000)	/S/ Ethan Hamilton 09/28/2023 10:48	/S/ Kristie F. Bitner 09/29/2023 12:11

Laboratory Contact Information

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Salt Lake City, Utah 84123

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Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2326943**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
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	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

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LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2326943

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33248 (HBN: 310955)	**Batch:**	IICP/18909 (HBN: 311000)
		Prepared By:	Phillip Rich	**Analyzed By:**	Ethan Hamilton

Blank

LRB: 835349
Analyzed: 09/28/2023 08:40
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 835350
Analyzed: 09/28/2023 08:42
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 835351
Analyzed: 09/28/2023 08:44
Dilution: 1
Units: ug/sample

LCSD: 835352
Analyzed: 09/28/2023 08:45
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	9.83	10.0	98.3	89.8	111.0	9.77	97.7	0.567	0.0	15.0
Lead	101	100	101	92.5	112.9	101	101	0.656	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2326943	/S/ Ethan Hamilton 09/28/2023 10:48	/S/ Kristie F. Bitner 09/29/2023 12:11

Symbols and Definitions

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- ◓ - Sample and Matrix Duplicate less than 5 times the reporting limit
- ● - Result is above the calibration range
- # - The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: October 02, 2023

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2327122**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230927-UW-096**
Lab ID: 2327122001
Sampling Location: Frisco Development
Collected: 09/27/2023
Received: 09/28/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4344 L
Instrument: ICP12
Prepared: 09/29/2023 (311038)
Analyzed: 10/02/2023 (311089)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230927-DW-336**
Lab ID: 2327122002
Sampling Location: Frisco Development
Collected: 09/27/2023
Received: 09/28/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4344 L
Instrument: ICP12
Prepared: 09/29/2023 (311038)
Analyzed: 10/02/2023 (311089)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230927-DW-983**
Lab ID: 2327122003
Sampling Location: Frisco Development
Collected: 09/27/2023
Received: 09/28/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4359 L
Instrument: ICP12
Prepared: 09/29/2023 (311038)
Analyzed: 10/02/2023 (311089)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2327122**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230927-DW-066** Collected: 09/27/2023
Lab ID: 2327122004 Sampling Location: Frisco Development Received: 09/28/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP12
Dilution: 1 **Sampling Parameter:** Air Volume 4328 L **Prepared:** 09/29/2023 (311038)
Analyzed: 10/02/2023 (311089)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.035	0.15	0.50

Sample ID: **FOPR-230927-DW-980** Collected: 09/27/2023
Lab ID: 2327122005 Sampling Location: Frisco Development Received: 09/28/2023

Method: NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP12
Dilution: 1 **Sampling Parameter:** Air Volume 4354 L **Prepared:** 09/29/2023 (311038)
Analyzed: 10/02/2023 (311089)

Analyte	Result (ug/sample)	Result (ug/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0052	0.023	0.075
Lead	<0.15	<0.034	0.15	0.50

Comments

Quality Control: - (Batch: 311038)

There was zinc contamination in LRB 835586, LMB 835587, LCSD 835589 and RLVS 835590. LRB 835586 was just below the reporting limit. The LMB 835587 and LCSD 835589 were outside the control limits. The RPD between LCS 835588 and LCSD 835589 was outside of control limits. Debris from maintenance work, fell onto the QCs and samples during preparation causing zinc contamination. NC/CAR 2,514 was initiated due to this occurrence.

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (311089)	/S/ Joanna C. Sanchez 10/02/2023 13:42	/S/ Ethan Hamilton 10/02/2023 16:14

Laboratory Contact Information

ALS Environmental
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Salt Lake City, Utah 84123

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Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2327122**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

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	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

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( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2327122

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33257 (HBN: 311038)	**Batch:**	IICP/18913 (HBN: 311089)
		Prepared By:	Phillip Rich	**Analyzed By:**	Joanna C. Sanchez

Blank

LRB: 835586
Analyzed: 10/02/2023 10:22
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 835587
Analyzed: 10/02/2023 10:23
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 835588
Analyzed: 10/02/2023 10:25
Dilution: 1
Units: ug/sample

LCSD: 835589
Analyzed: 10/02/2023 10:27
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	10.2	10.0	102	89.8	111.0	10.3	103	0.467	0.0	15.0
Lead	103	100	103	92.5	112.9	103	103	0.605	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2327122	/S/ Joanna C. Sanchez 10/02/2023 13:42	/S/ Ethan Hamilton 10/02/2023 16:14

Symbols and Definitions

- * - Analyte above reporting limit or outside of control limits
- ▲ - Sample result is greater than 4 times the spike added
- ◓ - Sample and Matrix Duplicate less than 5 times the reporting limit
- ✹ - Result is above the calibration range
- # - The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

ANALYTICAL REPORT

Report Date: October 03, 2023

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2327512**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230929-DW-980**
Lab ID: 2327512001
Sampling Location: Frisco Development
Collected: 09/29/2023
Received: 09/30/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4371 L
Instrument: ICP13
Prepared: 10/02/2023 (311072)
Analyzed: 10/03/2023 (311123)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000051	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Sample ID: **FOPR-230929-DW-096**
Lab ID: 2327512002
Sampling Location: Frisco Development
Collected: 09/29/2023
Received: 09/30/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4361 L
Instrument: ICP13
Prepared: 10/02/2023 (311072)
Analyzed: 10/03/2023 (311123)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Sample ID: **FOPR-230929-DW-983**
Lab ID: 2327512003
Sampling Location: Frisco Development
Collected: 09/29/2023
Received: 09/30/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4383 L
Instrument: ICP13
Prepared: 10/02/2023 (311072)
Analyzed: 10/03/2023 (311123)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000051	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2327512**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-230929-DW-066**
Lab ID: 2327512004
Sampling Location: Frisco Development
Collected: 09/29/2023
Received: 09/30/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4323 L
Instrument: ICP13
Prepared: 10/02/2023 (311072)
Analyzed: 10/03/2023 (311123)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	<0.15	<0.000035	0.15	0.50

Sample ID: **FOPR-230929-UW-336**
Lab ID: 2327512005
Sampling Location: Frisco Development
Collected: 09/29/2023
Received: 09/30/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4371 L
Instrument: ICP13
Prepared: 10/02/2023 (311072)
Analyzed: 10/03/2023 (311123)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000051	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (311123)	/S/ Peter P. Steen 10/03/2023 12:54	/S/ Ethan Hamilton 10/03/2023 15:10

Laboratory Contact Information

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960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
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Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2327512**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter.
Collection Date, Media Type, and Sampling Parameter can potentially affect the validity of the results.
Samples have not been blank corrected unless otherwise noted.
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Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

Quality Control Sample
Batch Report

Analysis Information

Workorder: 2327512

Limits:	Historical/Performance	**Preparation:**	IH Metals, MCE Prep	**Analysis:**	IH Metals, MCE QC
Basis:	ALS Laboratory Group	**Batch:**	IIPX/33265 (HBN: 311072)	**Batch:**	IICP/18915 (HBN: 311123)
		Prepared By:	Phillip Rich	**Analyzed By:**	Peter P. Steen

Blank

LRB: 835732
Analyzed: 10/03/2023 09:58
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

LMB: 835733
Analyzed: 10/03/2023 10:00
Units: ug/sample

Analyte	Result	MDL	RL
Cadmium	ND	NA	0.0750
Lead	ND	NA	0.500

Laboratory Control Sample - Laboratory Control Sample Duplicate

LCS: 835734
Analyzed: 10/03/2023 10:01
Dilution: 1
Units: ug/sample

LCSD: 835735
Analyzed: 10/03/2023 10:03
Dilution: 1
Units: ug/sample

Analyte	Result	Target	% Rec	QC Limits		Result	% Rec	RPD	QC Limits	
Cadmium	10.1	10.0	101	89.8	111.0	10.2	102	1.11	0.0	15.0
Lead	102	100	102	92.5	112.9	102	102	0.722	0.0	15.0

QC Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Workorder	Analyst	Peer Review
2327512	/S/ Peter P. Steen 10/03/2023 12:54	/S/ Ethan Hamilton 10/03/2023 15:10

Symbols and Definitions

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● - Result is above the calibration range
- The Matrix Spike, Matrix Spike duplicate or Matrix Duplicate is reported for your information only. The sample matrix may be inappropriate for the method selected.

RPD - Relative % Difference (Spike / Spike Duplicate)
ND - Not Detected (U - Qualifier also flags analyte as not detected)
NA - Not Applicable
QC results are not adjusted for moisture correction, where applicable

Data Usability Summary

To:	Tim Jennings	Date:	January 4, 2024
From:	Brenda Basile	File:	Frisco 2023-10 Air Monitoring DUS.docx
RE:	Review of October 2023 Air Monitoring Data	CC:	Catherine Mear

WSP USA Inc (WSP) reviewed two laboratory reports from ALS Environmental (Salt Lake City, Utah) providing the analytical results for air monitoring samples collected October 10 and October 11, 2023 from the Frisco Community Development Site. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the potential off-site exposure during remediation activities to chemicals of concern (COC).

Samples were analyzed for cadmium and lead using the analytical method listed below.

- NIOSH 7300 Mod., MCE – Elements by ICP

TCEQ does not offer accreditation for National Institute of Occupational Safety and Health (NIOSH) analytical methods. ALS is accredited by the American Industrial Hygiene Association (AIHA) for the analysis of elements by inductively coupled plasma (ICP) (Certificate 101574). Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Field and laboratory blank concentrations and laboratory control sample precision and accuracy results were evaluated from data presented in the QC section of the laboratory report.

PRESERVATION AND HOLDING TIMES

There are no preservation or holding time requirements for NIOSH 7300.

CALIBRATIONS

No calibration data were provided in the laboratory report.

BLANKS

No analytes were detected in field or laboratory blanks.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the laboratory acceptance criteria of 90 to 111 percent recovery (%R) for cadmium and 92 to 113 %R for lead. LCS/LCSD precision (as relative percent difference [RPD]) was less than the laboratory acceptance criteria of 15 RPD.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Matrix spike/matrix spike duplicate (MS/MSD) analyses are not applicable to the method.

FIELD PRECISION

Field duplicate (as co-located) samples were not collected.

SUMMARY

Data are usable for determining concentrations of cadmium and lead in air samples. No data were qualified by the reviewer. Note that the laboratory uses "()" to denote concentrations between the limit of detection (sample detection limit) and the limit of quantitation (method quantitation limit). This data should be considered as estimated (J).

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Cadmium / Lead	Comment
FOPR-231010-DW-096	2328507001	X	
FOPR-231010-DW-980	2328507002	X	
FOPR-231010-DW-066	2328507003	X	
FOPR-231010-DW-983	2328507004	X	
FOPR-231010-UW-336	2328507005	X	
FOPR-231010-DW-096-FB	2328507006	X	Field Blank
FOPR-231010-DW-096-TB	2328507007	X	Trip Blank
FOPR-231011-DW-066	2328508001	X	
FOPR-231011-DW-980	2328508002	X	
FOPR-231011-DW-066	2328508003	X	
FOPR-231011-DW-983	2328508004	X	
FOPR-231011-UW-336	2328508005	X	

ANALYTICAL REPORT

Report Date: October 16, 2023

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Workorder: **34-2328507**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-231010-DW-096**
Lab ID: 2328507001
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4817 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Sample ID: **FOPR-231010-DW-980**
Lab ID: 2328507002
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4791 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	**(0.18)**	**(0.000038)**	0.15	0.50

Sample ID: **FOPR-231010-DW-066**
Lab ID: 2328507003
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4769 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	**(0.33)**	**(0.000070)**	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2328507**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-231010-DW-983**
Lab ID: 2328507004
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4791 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	<0.15	<0.000031	0.15	0.50

Sample ID: **FOPR-231010-UW-336**
Lab ID: 2328507005
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4737 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000047	0.023	0.075
Lead	<0.15	<0.000032	0.15	0.50

Sample ID: **FOPR-231010-DW-096-FB**
Lab ID: 2328507006
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 0 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Sample ID: **FOPR-231010-DW-096-TB**
Lab ID: 2328507007
Sampling Location: Soil Remediation
Collected: 10/10/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 0 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	NA	0.023	0.075
Lead	<0.15	NA	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (311436)	/S/ Ethan Hamilton 10/13/2023 13:15	/S/ Peter P. Steen 10/16/2023 10:00

ANALYTICAL REPORT

Workorder: **34-2328507**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Laboratory Contact Information

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960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

General Lab Comments

The results provided in this report relate only to the items tested.
Samples were received in acceptable condition unless otherwise noted.
The following was provided by the client: Sample ID, Collection Date, Sampling Location, Media Type, Sampling Parameter.
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Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

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ND = Not Detected, Testing result not detected above the LOD or LOQ.
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** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

ANALYTICAL REPORT

Report Date: October 16, 2023

Grant Sherwood
Remediation Services, Inc.
P.O. Box 587
2735 South 10th Street
Independence, KS 67301

Phone: (620) 331-1200
Fax: (620) 331-6216
E-mail: gsherwood@rsi-ks.com

Workorder: **34-2328508**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-231011-DW-096**
Lab ID: 2328508001
Sampling Location: Soil Remediation
Collected: 10/11/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4388 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000051	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Sample ID: **FOPR-231011-DW-980**
Lab ID: 2328508002
Sampling Location: Soil Remediation
Collected: 10/11/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4349 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Sample ID: **FOPR-231011-DW-066**
Lab ID: 2328508003
Sampling Location: Soil Remediation
Collected: 10/11/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4332 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	**(0.17)**	**(0.000040)**	0.15	0.50

ANALYTICAL REPORT

Workorder: **34-2328508**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

Analytical Results

Sample ID: **FOPR-231011-DW-983**
Lab ID: 2328508004
Sampling Location: Soil Remediation
Collected: 10/11/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4354 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	<0.15	<0.000034	0.15	0.50

Sample ID: **FOPR-231011-UW-336**
Lab ID: 2328508005
Sampling Location: Soil Remediation
Collected: 10/11/2023
Received: 10/12/2023

Method: NIOSH 7300 Mod., MCE
Dilution: 1
Media: MCE Filter
Sampling Parameter: Air Volume 4344 L
Instrument: ICP12
Prepared: 10/12/2023 (311398)
Analyzed: 10/13/2023 (311436)

Analyte	Result (ug/sample)	Result (mg/m³)	LOD (ug/sample)	RL (ug/sample)
Cadmium	<0.023	<0.0000052	0.023	0.075
Lead	<0.15	<0.000035	0.15	0.50

Report Authorization (/S/ is an electronic signature that complies with 21 CFR Part 11)

Method (Analysis Batch)	Analyst	Peer Review
NIOSH 7300 Mod., MCE (311436)	/S/ Ethan Hamilton 10/13/2023 13:15	/S/ Peter P. Steen 10/16/2023 10:00

Laboratory Contact Information

ALS Environmental
960 W Levoy Drive
Salt Lake City, Utah 84123

Phone: (801) 266-7700
Email: alslt.lab@ALSGlobal.com
Web: www.alsglobal.com/slt

ANALYTICAL REPORT

Workorder: **34-2328508**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

General Lab Comments

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ALS provides professional analytical services for all samples submitted. ALS is not in a position to interpret the data and assumes no responsibility for the quality of the samples submitted.

All quality control samples processed with the samples in this report yielded acceptable results unless otherwise noted.

ALS is accredited for specific fields of testing (scopes) in the following testing sectors. The quality system implemented at ALS conforms to accreditation requirements and is applied to all analytical testing performed by ALS. The following table lists testing sector, accreditation body, accreditation number and website. Please contact these accrediting bodies or your ALS project manager for the current scope of accreditation that applies to your analytical testing.

Testing Sector	Accreditation Body (Standard)	Certificate Number	Website
Industrial Hygiene	AIHA (ISO 17025 & AIHA IHLAP)	101574	http://www.aihaaccreditedlabs.org
	DOECAP-AP	L22-62	http://www.pjlabs.com
	Washington	C596	https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Laboratory-Accreditation
Dietary Supplements	PJLA (ISO 17025)	L22-61	http://www.pjlabs.com

Definitions

LOD = Limit of Detection = MDL = Method Detection Limit, A statistical estimate of method/media/instrument sensitivity.
LOQ = Limit of Quantitation = RL = Reporting Limit, A verified value of method/media/instrument sensitivity.
ND = Not Detected, Testing result not detected above the LOD or LOQ.
NA = Not Applicable.
** No result could be reported, see sample comments for details.
< Means this testing result is less than the numerical value.
( ) This testing result is between the LOD and LOQ and has higher analytical uncertainty than values at or above the LOQ.

ATTACHMENT B

Laboratory Analytical Data

Confirmation Analytical Reports

and Data Usability Studies

Data Usability Summary

To:	Tim Jennings	Date:	January 8, 2024
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23080810.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected August12, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data were qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

No analytes were detected in laboratory method blanks. Antimony was detected in the calibration blank associated with the field samples. However, the sample concentrations were greater than five times the blank concentration. No data were qualified..

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. No project samples were analyzed as matrix spike/matrix spike duplicates (MS/MSD).

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. No project samples were analyzed as PDS or serial dilutions.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected collected August 12, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CW007	HS23080810-01	X	
CW008	HS23080810-02	X	
CW009	HS23080810-03	X	
SDAW001-01	HS23080810-10	X	

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 18, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23080810**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 10 sample(s) on Aug 14, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23080810**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23080810**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023					
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080810					
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198962, 199094, 199148, R444206					
#[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 SW-846 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 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					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080810				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198962, 199094, 199148, R444206				
#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080810
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198962, 199094, 199148, R444206

ER#[5]	Description
1	Batch 198962, Metals by method SW6020, Sample HS23080721-09, MS and MSD were performed on an unrelated sample.
2	See Run Log and CCB Exception Reports

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810
Start Date: 16-Aug-2023 End Date: 17-Aug-2023

Run ID:ICPMS05_444071
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	16-Aug-2023 11:03	022_ICV.d	AS CD PB SB SE
LLICV2	1	16-Aug-2023 11:07	024LCV2.d	AS CD PB SB SE
LLICV5	1	16-Aug-2023 11:09	025LCV5.d	AS CD PB SB SE
ICB	1	16-Aug-2023 11:13	027_ICB.d	AS CD PB SB SE
ICSA	1	16-Aug-2023 11:15	028ICSA.d	AS CD PB SB SE
ICSAB	1	16-Aug-2023 11:17	029ICSB.d	AS CD PB SB SE
CCB 1	1	16-Aug-2023 11:30	033_CCB.d	AS CD PB SB SE
CCV 1	1	16-Aug-2023 11:32	034_CCV.d	AS CD PB SB SE
CCB 2	1	16-Aug-2023 11:58	045_CCB.d	AS CD PB SB SE
CCV 2	1	16-Aug-2023 12:00	046_CCV.d	AS CD PB SB SE
CCV 3	1	16-Aug-2023 12:33	058_CCV.d	AS CD PB SB SE
CCB 3	1	16-Aug-2023 12:35	059_CCB.d	AS CD PB SB SE
CCB 4	1	16-Aug-2023 12:38	060_CCB.d	AS CD PB SB SE
CCV 4	1	16-Aug-2023 12:40	061_CCV.d	AS CD PB SB SE
CCV 5	1	16-Aug-2023 13:09	072_CCV.d	AS CD PB SB SE
CCV 6	1	16-Aug-2023 13:09	072_CCV.d	AS CD PB SB SE
CCB 5	1	16-Aug-2023 13:11	073_CCB.d	AS CD PB SB SE
CCB 6	1	16-Aug-2023 13:11	073_CCB.d	AS CD PB SB SE
CCV 7	1	16-Aug-2023 13:39	084_CCV.d	AS CD PB SB SE
CCB 7	1	16-Aug-2023 13:41	085_CCB.d	AS CD PB SB SE
CCV 8	1	16-Aug-2023 14:24	096_CCV.d	AS CD PB SB SE
CCB 8	1	16-Aug-2023 14:26	097_CCB.d	AS CD PB SB SE
LCS-198962	1	16-Aug-2023 14:37	099SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	16-Aug-2023 14:41	101SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	16-Aug-2023 14:43	102SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	16-Aug-2023 14:45	103SMPL.d	AS CD PB SB SE
CCV 9	1	16-Aug-2023 14:55	108_CCV.d	AS CD PB SB SE
CCB 9	1	16-Aug-2023 14:57	109_CCB.d	AS CD PB SB SE
CCV 10	1	16-Aug-2023 15:03	110_CCV.d	AS CD PB SB SE
CCV 11	1	16-Aug-2023 15:26	121_CCV.d	AS CD PB SB SE
CCB 10	1	16-Aug-2023 15:28	122_CCB.d	AS CD PB SB SE
MBLK-198962	1	16-Aug-2023 15:35	123SMPL.d	AS CD PB SB SE
CW007	1	16-Aug-2023 15:41	126SMPL.d	AS CD PB SB SE
CW008	1	16-Aug-2023 15:43	127SMPL.d	AS CD PB SB SE
CW009	1	16-Aug-2023 15:45	128SMPL.d	AS CD PB SB SE
SDAW001-01	1	16-Aug-2023 15:47	129SMPL.d	AS CD SB SE
CCV 12	1	16-Aug-2023 15:55	133_CCV.d	AS CD PB SB SE
CCB 11	1	16-Aug-2023 15:57	134_CCB.d	AS CD PB SB SE
CCV 13	1	16-Aug-2023 16:26	146_CCV.d	AS CD PB SB SE
CCB 12	1	16-Aug-2023 16:28	147_CCB.d	AS CD PB SB SE
CCV 14	1	16-Aug-2023 16:51	158_CCV.d	AS CD PB SB SE
CCB 13	1	16-Aug-2023 16:53	159_CCB.d	AS CD PB SB SE
SDAW001-01	20	16-Aug-2023 17:11	168SMPL.d	PB
CCV 15	1	16-Aug-2023 17:16	170_CCV.d	AS CD PB SB SE
CCB 14	1	16-Aug-2023 17:17	171_CCB.d	AS CD PB SB SE
CCV 16	1	16-Aug-2023 17:20	172_CCV.d	AS CD PB SB SE
CCV 17	1	16-Aug-2023 19:26	176_CCV.d	AS CD PB SB SE
CCB 15	1	16-Aug-2023 19:28	177_CCB.d	AS CD PB SB SE
CCV 18	1	16-Aug-2023 19:46	186_CCV.d	AS CD PB SB SE
CCB 16	1	16-Aug-2023 19:48	187_CCB.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810
Start Date: 16-Aug-2023 End Date: 17-Aug-2023

Run ID:ICPMS05_444071
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCV 19	1	16-Aug-2023 20:03	195_CCV.d	AS CD PB SB SE
CCB 17	1	16-Aug-2023 20:05	196_CCB.d	AS CD PB SB SE
CCB 18	1	16-Aug-2023 20:23	205_CCB.d	AS CD PB SB SE
CCV 20	1	16-Aug-2023 20:30	207_CCV.d	AS CD PB SB SE
CCV 21	1	16-Aug-2023 20:43	213_CCV.d	AS CD PB SB SE
CCB 19	1	16-Aug-2023 20:45	214_CCB.d	AS CD PB SB SE
ICCV 22	1	16-Aug-2023 21:11	227_ICV.d	AS CD PB SB SE
LLICCV5	1	16-Aug-2023 21:14	228LCV5.d	AS CD PB SB SE
LLICCV2	1	16-Aug-2023 21:16	229LCV2.d	AS CD PB SB SE
ICCB 20	1	16-Aug-2023 21:18	230_ICB.d	AS CD PB SB SE
CCV 23	1	16-Aug-2023 21:22	232_CCV.d	AS CD PB SB SE
CCB 21	1	16-Aug-2023 21:24	233_CCB.d	AS CD PB SB SE
CCV 24	1	16-Aug-2023 21:42	242_CCV.d	AS CD PB SB SE
CCB 22	1	16-Aug-2023 21:44	243_CCB.d	AS CD PB SB SE
CCV 25	1	16-Aug-2023 22:12	257_CCV.d	AS CD PB SB SE
CCB 23	1	16-Aug-2023 22:14	258_CCB.d	AS CD PB SB SE
CCV 26	1	16-Aug-2023 22:22	262_CCV.d	AS CD PB SB SE
CCB 24	1	16-Aug-2023 22:24	263_CCB.d	AS CD PB SB SE
CCV 27	1	16-Aug-2023 22:40	271_CCV.d	AS CD PB SB SE
CCB 25	1	16-Aug-2023 22:42	272_CCB.d	AS CD PB SB SE
CCV 28	1	16-Aug-2023 23:05	283_CCV.d	AS CD PB SB SE
CCB 26	1	16-Aug-2023 23:07	284_CCB.d	AS CD PB SB SE
ICSA	1	16-Aug-2023 23:09	285ICSA.d	AS CD PB SB SE
ICSAB	1	16-Aug-2023 23:11	286ICSB.d	AS CD PB SB SE
CCV 29	1	16-Aug-2023 23:27	294_CCV.d	AS CD PB SB SE
CCB 27	1	16-Aug-2023 23:29	295_CCB.d	AS CD PB SB SE
CCV 30	1	16-Aug-2023 23:56	304_CCV.d	AS CD PB SB SE
CCB 28	1	16-Aug-2023 23:58	305_CCB.d	AS CD PB SB SE
CCV 31	1	17-Aug-2023 00:21	316_CCV.d	AS CD PB SB SE
CCB 29	1	17-Aug-2023 00:23	317_CCB.d	AS CD PB SB SE
CCV 32	1	17-Aug-2023 00:46	328_CCV.d	AS CD PB SB SE
CCB 30	1	17-Aug-2023 00:48	329_CCB.d	AS CD PB SB SE
CCV 33	1	17-Aug-2023 00:53	331_CCV.d	AS CD PB SB SE
CCB 31	1	17-Aug-2023 00:55	332_CCB.d	AS CD PB SB SE
LLICV2	1	17-Aug-2023 00:59	334LCV2.d	AS CD PB SB SE
LLICV5	1	17-Aug-2023 01:02	335LCV5.d	AS CD PB SB SE
ICSA	1	17-Aug-2023 01:04	336ICSA.d	AS CD PB SB SE
ICSAB	1	17-Aug-2023 01:06	337ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

Run ID:ICPMS05_444071
Instrument:ICPMS05
Method:SW6020A

CCB 3	Date: 16-Aug-2023 12:35	Seq: 7493890		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.928	0.4	2	
CCB 5	Date: 16-Aug-2023 13:11	Seq: 7493880		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.969	0.4	2	
CCB 6	Date: 16-Aug-2023 13:11	Seq: 7493931		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.969	0.4	2	
CCB 7	Date: 16-Aug-2023 13:41	Seq: 7493883		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.877	0.4	2	
CCB 8	Date: 16-Aug-2023 14:26	Seq: 7494108		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.895	0.4	2	
CCB 9	Date: 16-Aug-2023 14:57	Seq: 7494119		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.978	0.4	2	
CCB 10	Date: 16-Aug-2023 15:28	Seq: 7494132		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.815	0.4	2	
CCB 11	Date: 16-Aug-2023 15:57	Seq: 7494343		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.897	0.4	2	
CCB 12	Date: 16-Aug-2023 16:28	Seq: 7494521		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.526	0.4	2	
	Selenium	1.139	1.1	2	
CCB 15	Date: 16-Aug-2023 19:28	Seq: 7494796		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.437	0.4	2	
	Selenium	1.198	1.1	2	
CCB 16	Date: 16-Aug-2023 19:48	Seq: 7494806		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.602	0.4	2	
CCB 17	Date: 16-Aug-2023 20:05	Seq: 7494815		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.52	0.4	2	
CCB 18	Date: 16-Aug-2023 20:23	Seq: 7494824		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.52	0.4	2	
	Selenium	1.198	1.1	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

Run ID:ICPMS05_444071
Instrument:ICPMS05
Method:SW6020A

CCB 19	Date: 16-Aug-2023 20:45	Seq: 7494833	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.593	0.4	2	

CCB 21	Date: 16-Aug-2023 21:24	Seq: 7494893	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.457	0.4	2	

CCB 22	Date: 16-Aug-2023 21:44	Seq: 7494903	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.719	0.4	2	

CCB 23	Date: 16-Aug-2023 22:14	Seq: 7495040	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.721	0.4	2	

CCB 24	Date: 16-Aug-2023 22:24	Seq: 7495045	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.475	0.4	2	

CCB 25	Date: 16-Aug-2023 22:42	Seq: 7495055	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.502	0.4	2	

CCB 28	Date: 16-Aug-2023 23:58	Seq: 7495088	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.525	0.4	2	

CCB 29	Date: 17-Aug-2023 00:23	Seq: 7495103	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.273	0.4	2	
Arsenic	0.554	0.4	2	
Lead	1.564	0.6	2	

CCB 30	Date: 17-Aug-2023 00:48	Seq: 7495115	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.399	0.4	2	
Cadmium	0.376	0.2	2	
Lead	3.093	0.6	2	
Selenium	1.11	1.1	2	

CCB 31	Date: 17-Aug-2023 00:55	Seq: 7495118	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.772	0.4	2	
Lead	0.946	0.6	2	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080810

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080810-01	CW007	Soil		12-Aug-2023 11:45	14-Aug-2023 08:35	☐
HS23080810-02	CW008	Soil		12-Aug-2023 11:50	14-Aug-2023 08:35	☐
HS23080810-03	CW009	Soil		12-Aug-2023 11:54	14-Aug-2023 08:35	☐
HS23080810-04	SP-63	Soil		12-Aug-2023 11:59	14-Aug-2023 08:35	☐
HS23080810-05	SP-64	Soil		12-Aug-2023 12:05	14-Aug-2023 08:35	☐
HS23080810-06	SP-65	Soil		12-Aug-2023 12:11	14-Aug-2023 08:35	☐
HS23080810-07	SP-66	Soil		12-Aug-2023 12:15	14-Aug-2023 08:35	☐
HS23080810-08	SP-67	Soil		12-Aug-2023 12:17	14-Aug-2023 08:35	☐
HS23080810-09	SP-68	Soil		12-Aug-2023 12:23	14-Aug-2023 08:35	☐
HS23080810-10	SDAW001-01	Soil		12-Aug-2023 13:03	14-Aug-2023 08:35	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW007
Collection Date: 12-Aug-2023 11:45

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 16-Aug-2023		Analyst: MSC
Antimony	**0.462**	J	**0.0710**	**0.546**	**mg/Kg-dry**	1	16-Aug-2023 15:41
Arsenic	**12.3**		**0.0765**	**0.546**	**mg/Kg-dry**	1	16-Aug-2023 15:41
Cadmium	**0.965**		**0.0295**	**0.546**	**mg/Kg-dry**	1	16-Aug-2023 15:41
Lead	**87.5**		**0.0142**	**0.546**	**mg/Kg-dry**	1	16-Aug-2023 15:41
Selenium	**2.13**		**0.0994**	**0.546**	**mg/Kg-dry**	1	16-Aug-2023 15:41
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**13.6**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW008
Collection Date: 12-Aug-2023 11:50

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 16-Aug-2023		Analyst: MSC
Antimony	**0.395**	J	**0.0786**	**0.605**	**mg/Kg-dry**	1	16-Aug-2023 15:43
Arsenic	**15.6**		**0.0846**	**0.605**	**mg/Kg-dry**	1	16-Aug-2023 15:43
Cadmium	**0.740**		**0.0326**	**0.605**	**mg/Kg-dry**	1	16-Aug-2023 15:43
Lead	**23.7**		**0.0157**	**0.605**	**mg/Kg-dry**	1	16-Aug-2023 15:43
Selenium	**2.44**		**0.110**	**0.605**	**mg/Kg-dry**	1	16-Aug-2023 15:43
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**21.2**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW009
Collection Date: 12-Aug-2023 11:54

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 16-Aug-2023		Analyst: MSC
Antimony	**0.436**	J	**0.0744**	**0.572**	**mg/Kg-dry**	1	16-Aug-2023 15:45
Arsenic	**14.3**		**0.0801**	**0.572**	**mg/Kg-dry**	1	16-Aug-2023 15:45
Cadmium	**1.50**		**0.0309**	**0.572**	**mg/Kg-dry**	1	16-Aug-2023 15:45
Lead	**67.3**		**0.0149**	**0.572**	**mg/Kg-dry**	1	16-Aug-2023 15:45
Selenium	**2.38**		**0.104**	**0.572**	**mg/Kg-dry**	1	16-Aug-2023 15:45
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.0**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-63
Collection Date: 12-Aug-2023 11:59

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	**0.00404**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 21:08
Barium	**0.558**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:08
Cadmium	**0.00924**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:08
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:08
Lead	**0.0995**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 21:08
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:08
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:08
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-64
Collection Date: 12-Aug-2023 12:05

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:10
Barium	**0.358**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:10
Cadmium	**0.00423**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:10
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:10
Lead	**0.0119**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 21:10
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:10
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:10
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-65
Collection Date: 12-Aug-2023 12:11

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:11
Barium	**0.416**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:11
Cadmium	**0.00276**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:11
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:11
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 21:11
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:11
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:11
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-66
Collection Date: 12-Aug-2023 12:15

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:13
Barium	**0.516**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:13
Cadmium	**0.00996**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:13
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:13
Lead	**0.00992**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 21:13
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:13
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:13
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-67
Collection Date: 12-Aug-2023 12:17

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:15
Barium	**0.520**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:15
Cadmium	**0.0172**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:15
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:15
Lead	**0.0176**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 21:15
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:15
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:15
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-68
Collection Date: 12-Aug-2023 12:23

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:17
Barium	**0.480**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 21:17
Cadmium	**0.00722**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 21:17
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 21:17
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 21:17
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 21:17
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 21:17
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 17:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SDAW001-01
Collection Date: 12-Aug-2023 13:03

ANALYTICAL REPORT
WorkOrder:HS23080810
Lab ID:HS23080810-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 16-Aug-2023		Analyst: MSC
Antimony	**0.523**	J	**0.0711**	**0.547**	**mg/Kg-dry**	1	16-Aug-2023 15:47
Arsenic	**10.8**		**0.0765**	**0.547**	**mg/Kg-dry**	1	16-Aug-2023 15:47
Cadmium	**0.373**	J	**0.0295**	**0.547**	**mg/Kg-dry**	1	16-Aug-2023 15:47
Lead	**204**		**0.284**	**10.9**	**mg/Kg-dry**	20	16-Aug-2023 17:11
Selenium	**2.21**		**0.0995**	**0.547**	**mg/Kg-dry**	1	16-Aug-2023 15:47
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**14.5**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

Batch ID: 198962 **Start Date:** 16 Aug 2023 07:30 **End Date:** 16 Aug 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080810-01		0.5298 (g)	50 (mL)	94.38	4-oz glass, Neat
HS23080810-02		0.5248 (g)	50 (mL)	95.27	4-oz glass, Neat
HS23080810-03		0.5392 (g)	50 (mL)	92.73	4-oz glass, Neat
HS23080810-10		0.5349 (g)	50 (mL)	93.48	4-oz glass, Neat

Batch ID: 199068 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080810-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199069 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080810-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080810-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199094 **Start Date:** 16 Aug 2023 13:00 **End Date:** 16 Aug 2023 13:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080810-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080810-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080810-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080810-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080810-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080810-09		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

Batch ID: 199148 **Start Date:** 17 Aug 2023 09:00 **End Date:** 17 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080810-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080810-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080810-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080810-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080810-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080810-09		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198962 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23080810-01	CW007	12 Aug 2023 11:45		16 Aug 2023 07:30	16 Aug 2023 15:41	1
HS23080810-02	CW008	12 Aug 2023 11:50		16 Aug 2023 07:30	16 Aug 2023 15:43	1
HS23080810-03	CW009	12 Aug 2023 11:54		16 Aug 2023 07:30	16 Aug 2023 15:45	1
HS23080810-10	SDAW001-01	12 Aug 2023 13:03		16 Aug 2023 07:30	16 Aug 2023 17:11	20
HS23080810-10	SDAW001-01	12 Aug 2023 13:03		16 Aug 2023 07:30	16 Aug 2023 15:47	1
Batch ID: 199094 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080810-04	SP-63	12 Aug 2023 11:59	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:08	1
HS23080810-05	SP-64	12 Aug 2023 12:05	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:10	1
HS23080810-06	SP-65	12 Aug 2023 12:11	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:11	1
HS23080810-07	SP-66	12 Aug 2023 12:15	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:13	1
HS23080810-08	SP-67	12 Aug 2023 12:17	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:15	1
HS23080810-09	SP-68	12 Aug 2023 12:23	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 21:17	1
Batch ID: 199148 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080810-04	SP-63	12 Aug 2023 11:59	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:10	1
HS23080810-05	SP-64	12 Aug 2023 12:05	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:12	1
HS23080810-06	SP-65	12 Aug 2023 12:11	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:14	1
HS23080810-07	SP-66	12 Aug 2023 12:15	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:15	1
HS23080810-08	SP-67	12 Aug 2023 12:17	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:17	1
HS23080810-09	SP-68	12 Aug 2023 12:23	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 17:19	1
Batch ID: R444206 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23080810-01	CW007	12 Aug 2023 11:45			16 Aug 2023 15:05	1
HS23080810-02	CW008	12 Aug 2023 11:50			16 Aug 2023 15:05	1
HS23080810-03	CW009	12 Aug 2023 11:54			16 Aug 2023 15:05	1
HS23080810-10	SDAW001-01	12 Aug 2023 13:03			16 Aug 2023 15:05	1

WorkOrder: HS23080810
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23080810
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000993	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.000980	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.126	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.000969	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00101	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00165	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000979	0.000200	0.00500

WorkOrder: HS23080810
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.112	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500

WorkOrder: HS23080810
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 198962 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198962** Units: **mg/Kg** Analysis Date: **16-Aug-2023 15:35**
Client ID: Run ID: **ICPMS05_444071** SeqNo: **7494133** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	U	0.498								
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								

LCS Sample ID: **LCS-198962** Units: **mg/Kg** Analysis Date: **16-Aug-2023 14:37**
Client ID: Run ID: **ICPMS05_444071** SeqNo: **7494109** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.734	0.498	9.964	0	97.7	80 - 120				
Arsenic	10.69	0.498	9.964	0	107	80 - 120				
Cadmium	10.45	0.498	9.964	0	105	80 - 120				
Lead	10.36	0.498	9.964	0	104	80 - 120				
Selenium	10.21	0.498	9.964	0	102	80 - 120				

MS Sample ID: **HS23080721-09MS** Units: **mg/Kg** Analysis Date: **16-Aug-2023 14:43**
Client ID: Run ID: **ICPMS05_444071** SeqNo: **7494112** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	3.497	0.468	9.367	0.1958	35.2	75 - 125				S
Arsenic	11.18	0.468	9.367	1.875	99.3	75 - 125				
Cadmium	9.562	0.468	9.367	0.1418	101	75 - 125				
Lead	14.21	0.468	9.367	4.705	101	75 - 125				
Selenium	9.627	0.468	9.367	0.6728	95.6	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 198962 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23080721-09MSD** Units: **mg/Kg** Analysis Date: **16-Aug-2023 14:45**
Client ID: Run ID: **ICPMS05_444071** SeqNo: **7494113** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	3.482	0.473	9.463	0.1958	34.7	75 - 125	3.497	0.451	20	S
Arsenic	11.22	0.473	9.463	1.875	98.7	75 - 125	11.18	0.327	20	
Cadmium	9.775	0.473	9.463	0.1418	102	75 - 125	9.562	2.21	20	
Lead	14.55	0.473	9.463	4.705	104	75 - 125	14.21	2.39	20	
Selenium	9.537	0.473	9.463	0.6728	93.7	75 - 125	9.627	0.938	20	

PDS Sample ID: **HS23080721-09PDS** Units: **mg/Kg** Analysis Date: **16-Aug-2023 16:38**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494437** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	10.11	0.498	9.966	0.1958	99.5	75 - 125				
Arsenic	11.33	0.498	9.966	1.875	94.9	75 - 125				
Cadmium	9.849	0.498	9.966	0.1418	97.4	75 - 125				
Lead	14.28	0.498	9.966	4.705	96.1	75 - 125				
Selenium	10.42	0.498	9.966	0.6728	97.8	75 - 125				

SD Sample ID: **HS23080721-09SD** Units: **mg/Kg** Analysis Date: **16-Aug-2023 14:41**
Client ID: Run ID: **ICPMS05_444071** SeqNo: **7494111** PrepDate: **16-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	2.49					0.1958	0	10	
Arsenic	1.974	2.49					1.875	0	10	J
Cadmium	U	2.49					0.1418	0	10	
Lead	4.628	2.49					4.705	1.64	10	
Selenium	0.9213	2.49					0.6728	0	10	J

The following samples were analyzed in this batch: HS23080810-01 HS23080810-02 HS23080810-03 HS23080810-10

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199071** Units: **mg/L** Analysis Date: **16-Aug-2023 20:05**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494839** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-198938** Units: **mg/L** Analysis Date: **16-Aug-2023 20:09**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494841** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-198631** Units: **mg/L** Analysis Date: **16-Aug-2023 20:11**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494842** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-199068** Units: **mg/L** Analysis Date: **16-Aug-2023 20:07**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494840** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199069** Units: **mg/L** Analysis Date: **16-Aug-2023 20:04**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494838** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:02**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494837** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:12**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494843** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04757	0.00500	0.05	0	95.1	80 - 120				
Barium	0.04395	0.0200	0.05	0	87.9	80 - 120				
Cadmium	0.0455	0.00500	0.05	0	91.0	80 - 120				
Chromium	0.04728	0.00500	0.05	0	94.6	80 - 120				
Lead	0.04152	0.00500	0.05	0	83.0	80 - 120				
Selenium	0.04768	0.00500	0.05	0	95.4	80 - 120				
Silver	0.04645	0.00500	0.05	0	92.9	80 - 120				

MS Sample ID: **HS23080212-01MS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:21**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494848** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4611	0.0500	0.5	0.00213	91.8	80 - 120				
Barium	0.7547	0.200	0.5	0.3233	86.3	80 - 120				
Cadmium	0.4317	0.0500	0.5	0.00053	86.2	80 - 120				
Chromium	0.4531	0.0500	0.5	-0.00018	90.7	80 - 120				
Lead	0.5424	0.0500	0.5	0.1396	80.5	80 - 120				
Selenium	0.4601	0.0500	0.5	-0.00202	92.4	80 - 120				
Silver	0.4399	0.0500	0.5	-0.00007	88.0	80 - 120				

MSD Sample ID: **HS23080212-01MSD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:23**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494849** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4675	0.0500	0.5	0.00213	93.1	80 - 120	0.4611	1.39	20	
Barium	0.764	0.200	0.5	0.3233	88.1	80 - 120	0.7547	1.22	20	
Cadmium	0.4403	0.0500	0.5	0.00053	88.0	80 - 120	0.4317	1.97	20	
Chromium	0.4617	0.0500	0.5	-0.00018	92.4	80 - 120	0.4531	1.88	20	
Lead	0.5465	0.0500	0.5	0.1396	81.4	80 - 120	0.5424	0.755	20	
Selenium	0.4772	0.0500	0.5	-0.00202	95.8	80 - 120	0.4601	3.64	20	
Silver	0.4474	0.0500	0.5	-0.00007	89.5	80 - 120	0.4399	1.69	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080212-01PDS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:25**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494850** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9215	0.0500	1	0.00213	91.9	75 - 125				
Barium	1.18	0.200	1	0.3233	85.7	75 - 125				
Cadmium	0.8572	0.0500	1	0.00053	85.7	75 - 125				
Chromium	0.9063	0.0500	1	-0.00018	90.6	75 - 125				
Lead	1.023	0.0500	1	0.1396	88.4	75 - 125				
Selenium	0.9463	0.0500	1	-0.00202	94.8	75 - 125				
Silver	0.8007	0.0500	1	-0.00007	80.1	75 - 125				

SD Sample ID: **HS23080212-01SD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:19**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494847** PrepDate: **16-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00213	0	10	
Barium	0.3312	1.00					0.3233	0	10	J
Cadmium	U	0.250					0.00053	0	10	
Chromium	U	0.250					-0.00018	0	10	
Lead	0.1541	0.250					0.1396	0	10	J
Selenium	U	0.250					-0.00202	0	10	
Silver	U	0.250					-0.00007	0	10	

The following samples were analyzed in this batch: HS23080810-04 HS23080810-05 HS23080810-06 HS23080810-07 HS23080810-08 HS23080810-09

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199068** Units: **mg/L** Analysis Date: **17-Aug-2023 16:26**
Client ID: Run ID: **HG04_444262** SeqNo: **7497366** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-198937** Units: **mg/L** Analysis Date: **17-Aug-2023 16:29**
Client ID: Run ID: **HG04_444262** SeqNo: **7497368** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-198630** Units: **mg/L** Analysis Date: **17-Aug-2023 16:31**
Client ID: Run ID: **HG04_444262** SeqNo: **7497369** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199070** Units: **mg/L** Analysis Date: **17-Aug-2023 16:27**
Client ID: Run ID: **HG04_444262** SeqNo: **7497367** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198999** Units: **mg/L** Analysis Date: **17-Aug-2023 16:24**
Client ID: Run ID: **HG04_444262** SeqNo: **7497365** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:14**
Client ID: Run ID: **HG04_444262** SeqNo: **7497361** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:15**
Client ID: Run ID: **HG04_444262** SeqNo: **7497362** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00488	0.000200	0.005	0	97.6	80 - 120				

MS Sample ID: **HS23080800-22MS** Units: **mg/L** Analysis Date: **17-Aug-2023 16:38**
Client ID: Run ID: **HG04_444262** SeqNo: **7497373** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00566	0.000200	0.005	0.000002	113	75 - 125				

MSD Sample ID: **HS23080800-22MSD** Units: **mg/L** Analysis Date: **17-Aug-2023 16:39**
Client ID: Run ID: **HG04_444262** SeqNo: **7497374** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00535	0.000200	0.005	0.000002	107	75 - 125	0.00566	5.63	20	

The following samples were analyzed in this batch: HS23080810-04 HS23080810-05 HS23080810-06 HS23080810-07 HS23080810-08 HS23080810-09

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080810

QC BATCH REPORT

Batch ID: **R444206 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080980-04DUP** Units: **wt%** Analysis Date: **16-Aug-2023 15:05**
Client ID: Run ID: **Balance1_444206** SeqNo: **7496321** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	5.53	0.0100					5.51	0.362	20	

The following samples were analyzed in this batch: HS23080810-01 HS23080810-02 HS23080810-03 HS23080810-10

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23080810**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23080810 **Date/Time Received:** **14-Aug-2023 08:35**

Client Name: Golder St Louis **Received by:** **Paresh M. Giga**

Completed By:	/S/ Malcolm Burleson	14-Aug-2023 10:41	**Reviewed by:**	/S/ Tyler Monroe	15-Aug-2023 14:16
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **s** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☑	Not Present ☐
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298867
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.1uc 2.0c	ir31	
Cooler(s)/Kit(s):	50590		
Date/Time sample(s) sent to storage:	08142023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 298867

HS23080810

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number	6L2040906205	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Sb, Pb, Cd, Se (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW0007	8/12/2023	1145	SO	N/A	1					✓						
2	CW0008	8/12/2023	1150	SO	N/A	1					✓						
3	CW0009	8/12/2023	1154	SO	N/A	1					✓						
4	SP-63	8/12/2023	1159	SO	N/A	1	✓										
5	SP-64	8/12/2023	1205	SO	N/A	1	✓										
6	SP-65	8/12/2023	1211	SO	N/A	1	✓										
7	SP-66	8/12/2023	1215	SO	N/A	1	✓										
8	SP-67	8/12/2023	1217	SO	N/A	1	✓										
9	SP-68	8/12/2023	1223	SO	N/A	1	✓										
10	SDAW001-01	8/12/2023	1303	SO	N/A	1					✓						

Sampler(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ ~~5 Wk Days~~ ☑ Other 72 hr TAT ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Matt Loughney	Date: 8/12/23	Time: 1458	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): 8/14/23 08:35	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	505986	2.1° -0.3° C11-01

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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FedEx
TRK# 0221 6230 3003 3480
MON – 14 AUG 10:30A
PRIORITY OVERNIGHT
XA SGRA
77099
TX – US IAH
EXP 05/24

Data Usability Summary

To:	Tim Jennings	Date:	September 11, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23080063.docx
RE:	Review of Frisco Soil Data	CC:	Brenda Basile

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected July 31, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry
- SW-846 7471B – Mercury in Solid or Semisolid Wastes (Manual Cold-Vapor Technique)

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. Data qualified due to exceedances of QC criteria are listed in Table 2.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

No analytes were detected in laboratory method blanks. Analytes detected in continuing calibration blanks are listed in Table 3. Data are qualified non-detect as shown in Tables 2 and 3.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. MS/MSD recoveries were outside the acceptance criteria of 70 to 130 %R for metals are listed in Table 4. MS/MSD precision, as RPD, was within 30 RPD. Data are qualified as shown in Tables 2 and 4.

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. PDS recoveries were within the acceptance criteria of 70 to 130 %R. Serial dilution precision was within 20 percent difference (%D) for samples with results greater than 50 times the sample detection limit.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected July 31, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CL2LF001	HS23080063-01	X	Metals MS/MSD
CW002	HS23080063-02	X	
CW003	HS23080063-03	X	
CW004	HS23080063-04	X	
CW005	HS23080063-05	X	
CW006	HS23080063-06	X	
CW007	HS23080063-07	X	
CW008	HS23080063-08	X	
SDAW001	HS23080063-09	X	
SDAS003	HS23080063-10	X	
SDAS004	HS23080063-11	X	
SDAS005	HS23080063-12	X	
SDAS006	HS23080063-13	X	
SDAS007	HS23080063-14	X	
SDAS008	HS23080063-15	X	Mercury MS/MSD
SDAS009	HS23080063-16	X	
SDAN002	HS23080063-17	X	
SDAS002	HS23080063-18	X	
CW001	HS23080063-19	X	
CW009	HS23080063-20	X	

FD – Field duplicate
MS/MSD – Matrix spike/matrix spike duplicate

Table 2 Qualified Data

Field Identification	Analyte	Qualifier	Reason for Qualification
CL2F001	Antimony	JL	MS/MSD recovery below acceptance criteria
SDAS002	Antimony	U	Analyte detected in quality control blank

Table 3 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
ICPMS05_443091 CCB22	Antimony	1.163 µg/L	0.233	

mg/kg – Milligram per kilogram

Table 4 Recovery and Precision Exceedances

Sample	Analyte	Spike Recovery (%)	Spike Duplicate Recovery (%)	RPD (%)	Qualification
CL2F001	Antimony	25.6	22.7	25.6	JL
CL2F001	Barium	233	226	0.615	None sample concentration greater then 4x spike concentration
CL2F001	Lead	1320	245.9	2.5	None sample concentration greater then 4x spike concentration

%R – Percent recovery
JL – Estimated, potential low bias
RPD – Relative percent difference

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 14, 2023

William Wedge
WSP USA Inc.
3102 Oak Lawn Avenue
Suite 450
Dallas, TX 75219

Work Order: **HS23080063**

Laboratory Results for: **Frisco GL20409062**

Dear William Wedge,

ALS Environmental received 20 sample(s) on Aug 01, 2023 for the analysis presented in the following report.

Sample(s) in this Work Order include: sample1, sample2, sample3.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The Methane Isotopic analysis was subcontracted to Isotech Laboratories, Inc. in Champaign, IL on 4/9/12. Included in this report are the results from Isotech and the COC submitted to them by ALS.

The total number of pages in this report is ZZ.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Anna Kinchen
Project Manager

Client:	WSP USA Inc.	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco GL20409062	
WorkOrder:	**HS23080063**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP USA Inc.
Project:	Frisco GL20409062
WorkOrder:	**HS23080063**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Anna Kinchen
Project Manager

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2023					
Project Name: Frisco GL20409062			Laboratory Job Number: HS23080063					
Reviewer Name: Anna Kinchen			Prep Batch Number(s): 198381, 198388, 198389, 198485, 198587, 198589, R443190					
#[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 SW-846 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 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				2	
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/14/2023				
Project Name: Frisco GL20409062			Laboratory Job Number: HS23080063				
Reviewer Name: Anna Kinchen			Prep Batch Number(s): 198381, 198388, 198389, 198485, 198587, 198589, R443190				
#[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)**					
		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			3
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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group		LRC Date: 08/14/2023
Project Name: Frisco GL20409062		Laboratory Job Number: HS23080063
Reviewer Name: Anna Kinchen		Prep Batch Number(s): 198381, 198388, 198389, 198485, 198587, 198589, R443190
ER#[5]	**Description**	
1	Batch 198381, Metals by method SW6020, Sample CL2LF001, MS/MSD recovered outside control limits for Barium and Lead; however, the results in the parent sample is greater than 4x the spike amount.	
2	Added both Total and TCLP Antimony to all samples in this workorder per client request.	
3	See Run Log and CCB Exception Reports	

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 04-Aug-2023 End Date: 04-Aug-2023

Run ID:HG04_443253
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
ICCV 1	1	04-Aug-2023 13:11		HG
ICV	1	04-Aug-2023 13:18		HG
ICB	1	04-Aug-2023 13:19		HG
CRA	1	04-Aug-2023 13:24		HG
CCV 2	1	04-Aug-2023 13:55		HG
CCB 1	1	04-Aug-2023 13:57		HG
MBLK-198587	1	04-Aug-2023 14:03		HG
LCS-198587	1	04-Aug-2023 14:07		HG
MBLKT1-198427	1	04-Aug-2023 14:09		HG
MBLKT2-198407	1	04-Aug-2023 14:11		HG
MBLKT3-198408	1	04-Aug-2023 14:12		HG
CL2LF001	1	04-Aug-2023 14:18		HG
CL2LF001MS	1	04-Aug-2023 14:24		HG
CL2LF001MSD	1	04-Aug-2023 14:29		HG
CCV 3	1	04-Aug-2023 14:34		HG
CCB 2	1	04-Aug-2023 14:36		HG
CW002	1	04-Aug-2023 14:41		HG
CW003	1	04-Aug-2023 14:43		HG
CW004	1	04-Aug-2023 14:45		HG
CW005	1	04-Aug-2023 14:46		HG
CW006	1	04-Aug-2023 14:48		HG
CW007	1	04-Aug-2023 14:50		HG
CW008	1	04-Aug-2023 14:52		HG
SDAW001	1	04-Aug-2023 14:53		HG
SDAS003	1	04-Aug-2023 14:55		HG
SDAS004	1	04-Aug-2023 14:57		HG
CCV 4	1	04-Aug-2023 15:01		HG
CCB 3	1	04-Aug-2023 15:03		HG
SDAS005	1	04-Aug-2023 15:09		HG
SDAS006	1	04-Aug-2023 15:10		HG
SDAS007	1	04-Aug-2023 15:12		HG
SDAS008	1	04-Aug-2023 15:14		HG
SDAS009	1	04-Aug-2023 15:15		HG
SDAN002	1	04-Aug-2023 15:17		HG
MBLK-198589	1	04-Aug-2023 15:20		HG
LCS-198589	1	04-Aug-2023 15:27		HG
MBLKT1-198407	1	04-Aug-2023 15:28		HG
CCV 5	1	04-Aug-2023 15:30		HG
CCB 4	1	04-Aug-2023 15:32		HG
MBLKT2-198269	1	04-Aug-2023 15:35		HG
SDAS002	1	04-Aug-2023 15:47		HG
SDAS002MS	1	04-Aug-2023 15:51		HG
SDAS002MSD	1	04-Aug-2023 15:55		HG
CCV 6	1	04-Aug-2023 16:00		HG
CCB 5	1	04-Aug-2023 16:01		HG
CW001	1	04-Aug-2023 16:06		HG
CW009	1	04-Aug-2023 16:08		HG
CCV 7	1	04-Aug-2023 16:28		HG
CCB 6	1	04-Aug-2023 16:29		HG
CCV 8	1	04-Aug-2023 17:01		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 04-Aug-2023 End Date: 04-Aug-2023

Run ID:HG04_443253
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
CCB 7	1	04-Aug-2023 17:03		HG
CCV 9	1	04-Aug-2023 17:23		HG
CCB 8	1	04-Aug-2023 17:25		HG
CCV 10	1	04-Aug-2023 17:47		HG
CCB 9	1	04-Aug-2023 17:49		HG
CCV 11	1	04-Aug-2023 18:10		HG
CCB 10	1	04-Aug-2023 18:12		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 03-Aug-2023 End Date: 04-Aug-2023

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	03-Aug-2023 12:40	043_ICV.d	AG AS BA CD CR PB SB SE
LLICV2	1	03-Aug-2023 12:44	045LCV2.d	AG AS BA CD CR PB SB SE
LLICV5	1	03-Aug-2023 12:46	046LCV5.d	AG AS BA CD CR PB SB SE
ICB	1	03-Aug-2023 12:52	048_ICB.d	AG AS BA CD CR PB SB SE
ICSA	1	03-Aug-2023 12:54	049ICSA.d	AG AS BA CD CR PB SB SE
ICSAB	1	03-Aug-2023 12:56	050ICSB.d	AG AS BA CD CR PB SB SE
CCV 1	1	03-Aug-2023 13:02	052_CCV.d	AG AS BA CD CR PB SB SE
CCB 1	1	03-Aug-2023 13:04	053_CCB.d	AG AS BA CD CR PB SB SE
CCB 2	1	03-Aug-2023 13:28	065_CCB.d	AG AS BA CD CR PB SB SE
CCV 2	1	03-Aug-2023 13:30	066_CCV.d	AG AS BA CD CR PB SB SE
CCV 3	1	03-Aug-2023 13:52	077_CCV.d	AG AS BA CD CR PB SB SE
CCB 3	1	03-Aug-2023 13:54	078_CCB.d	AG AS BA CD CR PB SB SE
CCV 4	1	03-Aug-2023 14:16	089_CCV.d	AG AS BA CD CR PB SB SE
CCB 4	1	03-Aug-2023 14:18	090_CCB.d	AG AS BA CD CR PB SB SE
CCV 5	1	03-Aug-2023 14:42	102_CCV.d	AG AS BA CD CR PB SB SE
CCB 5	1	03-Aug-2023 14:44	103_CCB.d	AG AS BA CD CR PB SB SE
CCV 6	1	03-Aug-2023 15:08	114_CCV.d	AG AS BA CD CR PB SB SE
CCB 6	1	03-Aug-2023 15:10	115_CCB.d	AG AS BA CD CR PB SB SE
CCV 7	1	03-Aug-2023 15:32	123_CCV.d	AG AS BA CD CR PB SB SE
CCB 7	1	03-Aug-2023 15:34	124_CCB.d	AG AS BA CD CR PB SB SE
CCV 8	1	03-Aug-2023 15:36	125_CCV.d	AG AS BA CD CR PB SB SE
CCV 9	1	03-Aug-2023 15:58	136_CCV.d	AG AS BA CD CR PB SB SE
CCB 8	1	03-Aug-2023 16:08	140_CCB.d	AG AS BA CD CR PB SB SE
CCV 10	1	03-Aug-2023 16:32	151_CCV.d	AG AS BA CD CR PB SB SE
CCB 9	1	03-Aug-2023 16:34	152_CCB.d	AG AS BA CD CR PB SB SE
CCB 10	1	03-Aug-2023 16:40	153_CCB.d	AG AS BA CD CR PB SB SE
CCB 11	1	03-Aug-2023 17:06	166_CCB.d	AG AS BA CD CR PB SB SE
CCV 11	1	03-Aug-2023 17:08	167_CCV.d	AG AS BA CD CR PB SB SE
ICCV 12	1	03-Aug-2023 17:41	180_ICV.d	AG AS BA CD CR PB SB SE
LLICCV2	1	03-Aug-2023 17:43	181LCV2.d	AG AS BA CD CR PB SB SE
LLICCV5	1	03-Aug-2023 17:45	182LCV5.d	AG AS BA CD CR PB SB SE
LLICCV2	1	03-Aug-2023 17:49	184LCV2.d	AG AS BA CD CR PB SB SE
LLICCV5	1	03-Aug-2023 17:51	185LCV5.d	AG AS BA CD CR PB SB SE
ICCB 12	1	03-Aug-2023 17:55	187_ICB.d	AG AS BA CD CR PB SB SE
CCB 13	1	03-Aug-2023 18:00	189_CCB.d	AG AS BA CD CR PB SB SE
CCV 13	1	03-Aug-2023 18:02	190_CCV.d	AG AS BA CD CR PB SB SE
CCV 14	1	03-Aug-2023 18:24	201_CCV.d	AG AS BA CD CR PB SB SE
CCB 14	1	03-Aug-2023 18:26	202_CCB.d	AG AS BA CD CR PB SB SE
CCV 15	1	03-Aug-2023 18:48	213_CCV.d	AG AS BA CD CR PB SB SE
CCB 15	1	03-Aug-2023 18:50	214_CCB.d	AG AS BA CD CR PB SB SE
CCV 16	1	03-Aug-2023 19:12	225_CCV.d	AG AS BA CD CR PB SB SE
CCB 16	1	03-Aug-2023 19:14	226_CCB.d	AG AS BA CD CR PB SB SE
CCV 17	1	03-Aug-2023 19:26	232_CCV.d	AG AS BA CD CR PB SB SE
CCB 17	1	03-Aug-2023 19:28	233_CCB.d	AG AS BA CD CR PB SB SE
CCV 18	1	03-Aug-2023 19:48	243_CCV.d	AG AS BA CD CR PB SB SE
CCB 18	1	03-Aug-2023 19:50	244_CCB.d	AG AS BA CD CR PB SB SE
CCV 19	1	03-Aug-2023 20:08	253_CCV.d	AG AS BA CD CR PB SB SE
CCB 19	1	03-Aug-2023 20:10	254_CCB.d	AG AS BA CD CR PB SB SE
MBLK-198381	1	03-Aug-2023 20:12	255SMPL.d	AG AS BA CD CR PB SB SE
LCS-198381	1	03-Aug-2023 20:14	256SMPL.d	AG AS BA CD CR PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 03-Aug-2023 End Date: 04-Aug-2023

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CL2LF001	1	03-Aug-2023 20:16	257SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001SD	5	03-Aug-2023 20:18	258SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001MS	1	03-Aug-2023 20:31	260SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001MSD	1	03-Aug-2023 20:33	261SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001PDS	1	03-Aug-2023 20:37	263SMPL.d	AG AS BA CD CR PB SB SE
CCV 20	1	03-Aug-2023 20:41	265_CCV.d	AG AS BA CD CR PB SB SE
CCB 20	1	03-Aug-2023 20:43	266_CCB.d	AG AS BA CD CR PB SB SE
CW002	1	03-Aug-2023 20:45	267SMPL.d	AG AS BA CD CR SB SE
CW003	1	03-Aug-2023 20:47	268SMPL.d	AG AS BA CD CR SB SE
CW004	1	03-Aug-2023 20:49	269SMPL.d	AG AS BA CD CR SB SE
CW005	1	03-Aug-2023 20:51	270SMPL.d	AG AS BA CD CR SB SE
CW006	1	03-Aug-2023 20:53	271SMPL.d	AG AS CD CR PB SB SE
CW007	1	03-Aug-2023 20:55	272SMPL.d	AG AS BA CD CR PB SB SE
CW008	1	03-Aug-2023 20:57	273SMPL.d	AG AS BA CD CR PB SB SE
SDAW001	1	03-Aug-2023 20:59	274SMPL.d	AG AS BA CD CR SB SE
SDAS003	1	03-Aug-2023 21:01	275SMPL.d	AG AS BA CD CR SB SE
SDAS004	1	03-Aug-2023 21:03	276SMPL.d	AG AS BA CD CR SB SE
CCV 21	1	03-Aug-2023 21:05	277_CCV.d	AG AS BA CD CR PB SB SE
CCB 21	1	03-Aug-2023 21:07	278_CCB.d	AG AS BA CD CR PB SB SE
SDAS005	1	03-Aug-2023 21:09	279SMPL.d	AG AS BA CD CR SB SE
SDAS006	1	03-Aug-2023 21:11	280SMPL.d	AG AS BA CD CR SB SE
SDAS007	1	03-Aug-2023 21:13	281SMPL.d	AG AS BA CD CR SB SE
SDAS008	1	03-Aug-2023 21:15	282SMPL.d	AG AS BA CD CR SB SE
SDAS009	1	03-Aug-2023 21:17	283SMPL.d	AG AS BA CD CR SB SE
SDAN002	1	03-Aug-2023 21:19	284SMPL.d	AG AS BA CD CR PB SB SE
CCV 22	1	03-Aug-2023 21:29	288_CCV.d	AG AS BA CD CR PB SB SE
CCB 22	1	03-Aug-2023 21:31	289_CCB.d	AG AS BA CD CR PB SB SE
SDAS002	1	03-Aug-2023 21:34	290SMPL.d	AG AS BA CD CR PB SB SE
CW001	1	03-Aug-2023 21:38	292SMPL.d	AG AS BA CD CR PB SB SE
CW009	1	03-Aug-2023 21:42	294SMPL.d	AG AS BA CD CR PB SB SE
CCV 23	1	03-Aug-2023 21:46	296_CCV.d	AG AS BA CD CR PB SB SE
CCB 23	1	03-Aug-2023 21:48	297_CCB.d	AG AS BA CD CR PB SB SE
LLICCV2	1	03-Aug-2023 22:18	311LCV2.d	AG AS BA CD CR PB SB SE
LLICCV5	1	03-Aug-2023 22:20	312LCV5.d	AG AS BA CD CR PB SB SE
ICCV 24	1	03-Aug-2023 22:23	313_ICV.d	AG AS BA CD CR PB SB SE
ICCB 24	1	03-Aug-2023 22:25	314_ICB.d	AG AS BA CD CR PB SB SE
CCV 25	1	03-Aug-2023 22:29	316_CCV.d	AG AS BA CD CR PB SB SE
CCB 25	1	03-Aug-2023 22:31	317_CCB.d	AG AS BA CD CR PB SB SE
CCV 26	1	03-Aug-2023 22:51	326_CCV.d	AG AS BA CD CR PB SB SE
CCB 26	1	03-Aug-2023 22:53	327_CCB.d	AG AS BA CD CR PB SB SE
CCV 27	1	03-Aug-2023 23:08	334_CCV.d	AG AS BA CD CR PB SB SE
CCB 27	1	03-Aug-2023 23:10	335_CCB.d	AG AS BA CD CR PB SB SE
CCV 28	1	03-Aug-2023 23:25	342_CCV.d	AG AS BA CD CR PB SB SE
CCB 28	1	03-Aug-2023 23:27	343_CCB.d	AG AS BA CD CR PB SB SE
CCV 29	1	03-Aug-2023 23:52	354_CCV.d	AG AS BA CD CR PB SB SE
CCB 29	1	03-Aug-2023 23:54	355_CCB.d	AG AS BA CD CR PB SB SE
CCV 30	1	03-Aug-2023 23:56	356_CCV.d	AG AS BA CD CR PB SB SE
CCB 30	1	03-Aug-2023 23:58	357_CCB.d	AG AS BA CD CR PB SB SE
LLICV2	1	04-Aug-2023 00:03	359LCV2.d	AG AS BA CD CR PB SB SE
LLICV5	1	04-Aug-2023 00:05	360LCV5.d	AG AS BA CD CR PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 03-Aug-2023 End Date: 04-Aug-2023

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICSA	1	04-Aug-2023 00:08	361ICSA.d	AG AS BA CD CR PB SB SE
ICSAB	1	04-Aug-2023 00:10	362ICSB.d	AG AS BA CD CR PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 04-Aug-2023 End Date: 05-Aug-2023

Run ID:ICPMS06_443212
Instrument:ICPMS06
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	04-Aug-2023 12:20	019_ICV.d	AG AS BA CD CR PB SB SE
LLICV2	1	04-Aug-2023 12:24	021LCV2.d	AG AS BA CD CR PB SB SE
LLICV5	1	04-Aug-2023 12:27	022LCV5.d	AG AS BA CD CR PB SB SE
ICB	1	04-Aug-2023 12:29	023_ICB.d	AG AS BA CD CR PB SB SE
ICSA	1	04-Aug-2023 12:42	026ICSA.d	AG AS BA CD CR PB SB SE
ICSAB	1	04-Aug-2023 12:44	027ICSB.d	AG AS BA CD CR PB SB SE
CCV 1	1	04-Aug-2023 12:54	030_CCV.d	AG AS BA CD CR PB SB SE
CCB 1	1	04-Aug-2023 12:56	031_CCB.d	AG AS BA CD CR PB SB SE
CCV 2	1	04-Aug-2023 13:18	042_CCV.d	AG AS BA CD CR PB SB SE
CCB 2	1	04-Aug-2023 13:20	043_CCB.d	AG AS BA CD CR PB SB SE
CCV 3	1	04-Aug-2023 13:37	051_CCV.d	AG AS BA CD CR PB SB SE
CCB 3	1	04-Aug-2023 13:39	052_CCB.d	AG AS BA CD CR PB SB SE
CCV 4	1	04-Aug-2023 13:59	060_CCV.d	AG AS BA CD CR PB SB SE
CCB 4	1	04-Aug-2023 14:01	061_CCB.d	AG AS BA CD CR PB SB SE
CCV 5	1	04-Aug-2023 14:27	072_CCV.d	AG AS BA CD CR PB SB SE
CCB 5	1	04-Aug-2023 14:29	073_CCB.d	AG AS BA CD CR PB SB SE
CCB 6	1	04-Aug-2023 15:04	085_CCB.d	AG AS BA CD CR PB SB SE
CCV 6	1	04-Aug-2023 15:06	086_CCV.d	AG AS BA CD CR PB SB SE
MBLK-198485	1	04-Aug-2023 15:08	087SMPL.d	AG AS BA CD CR PB SB SE
MBLKT1-198409	1	04-Aug-2023 15:10	088SMPL.d	AG AS BA CD CR PB SB SE
MBLKT2-198410	1	04-Aug-2023 15:12	089SMPL.d	AG AS BA CD CR PB SB SE
LCS-198485	1	04-Aug-2023 15:14	090SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001	1	04-Aug-2023 15:16	091SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001SD	5	04-Aug-2023 15:18	092SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001MS	1	04-Aug-2023 15:20	093SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001MSD	1	04-Aug-2023 15:22	094SMPL.d	AG AS BA CD CR PB SB SE
CL2LF001PDS	1	04-Aug-2023 15:25	095SMPL.d	AG AS BA CD CR PB SB SE
CW002	1	04-Aug-2023 15:27	096SMPL.d	AG AS BA CD CR PB SB SE
CCV 7	1	04-Aug-2023 15:29	097_CCV.d	AG AS BA CD CR PB SB SE
CCB 7	1	04-Aug-2023 15:31	098_CCB.d	AG AS BA CD CR PB SB SE
CW003	1	04-Aug-2023 15:33	099SMPL.d	AG AS BA CD CR PB SB SE
CW004	1	04-Aug-2023 15:35	100SMPL.d	AG AS BA CD CR PB SB SE
CW005	1	04-Aug-2023 15:37	101SMPL.d	AG AS BA CD CR PB SB SE
CW006	1	04-Aug-2023 15:39	102SMPL.d	AG AS BA CD CR PB SB SE
CW007	1	04-Aug-2023 15:41	103SMPL.d	AG AS BA CD CR PB SB SE
CW008	1	04-Aug-2023 15:43	104SMPL.d	AG AS BA CD CR PB SB SE
SDAW001	1	04-Aug-2023 15:45	105SMPL.d	AG AS BA CD CR PB SB SE
SDAS003	1	04-Aug-2023 15:47	106SMPL.d	AG AS BA CD CR PB SB SE
SDAS004	1	04-Aug-2023 15:50	107SMPL.d	AG AS BA CD CR PB SB SE
SDAS005	1	04-Aug-2023 15:52	108SMPL.d	AG AS BA CD CR PB SB SE
CCB 8	1	04-Aug-2023 15:56	110_CCB.d	AG AS BA CD CR PB SB SE
CCV 8	1	04-Aug-2023 15:58	111_CCV.d	AG AS BA CD CR PB SB SE
SDAS006	1	04-Aug-2023 16:00	112SMPL.d	AG AS BA CD CR PB SB SE
SDAS007	1	04-Aug-2023 16:02	113SMPL.d	AG AS BA CD CR PB SB SE
SDAS008	1	04-Aug-2023 16:04	114SMPL.d	AG AS BA CD CR PB SB SE
SDAS009	1	04-Aug-2023 16:06	115SMPL.d	AG AS BA CD CR PB SB SE
SDAN002	1	04-Aug-2023 16:08	116SMPL.d	AG AS BA CD CR PB SB SE
SDAS002	1	04-Aug-2023 16:11	117SMPL.d	AG AS BA CD CR PB SB SE
CW001	1	04-Aug-2023 16:13	118SMPL.d	AG AS BA CD CR PB SB SE
CW009	1	04-Aug-2023 16:15	119SMPL.d	AG AS BA CD CR PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063
Start Date: 04-Aug-2023 End Date: 05-Aug-2023

Run ID:ICPMS06_443212
Instrument:ICPMS06
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCB 9	1	04-Aug-2023 16:19	121_CCB.d	AG AS BA CD CR PB SB SE
CCV 9	1	04-Aug-2023 16:31	124_CCV.d	AG AS BA CD CR PB SB SE
CCV 10	1	04-Aug-2023 16:41	129_CCV.d	AG AS BA CD CR PB SB SE
CCB 10	1	04-Aug-2023 16:43	130_CCB.d	AG AS BA CD CR PB SB SE
ICCV 11	1	04-Aug-2023 17:12	143_ICV.d	AG AS BA CD CR PB SB SE
LLCCV5	1	04-Aug-2023 17:14	144LCV5.d	AG AS BA CD CR PB SB SE
LLCCV2	1	04-Aug-2023 17:16	145LCV2.d	AG AS BA CD CR PB SB SE
ICCB 11	1	04-Aug-2023 17:18	146_ICB.d	AG AS BA CD CR PB SB SE
CCV 12	1	04-Aug-2023 20:24	205_CCV.d	AG AS BA CD CR PB SB SE
CCB 12	1	04-Aug-2023 20:27	206_CCB.d	AG AS BA CD CR PB SB SE
CCV 13	1	04-Aug-2023 20:52	215_CCV.d	AG AS BA CD CR PB SB SE
CCB 13	1	04-Aug-2023 20:55	216_CCB.d	AG AS BA CD CR PB SB SE
CCV 14	1	04-Aug-2023 21:16	225_CCV.d	AG AS BA CD CR PB SB SE
CCB 14	1	04-Aug-2023 21:18	226_CCB.d	AG AS BA CD CR PB SB SE
CCV 15	1	04-Aug-2023 21:47	236_CCV.d	AG AS BA CD CR PB SB SE
CCB 15	1	04-Aug-2023 21:50	237_CCB.d	AG AS BA CD CR PB SB SE
CCV 16	1	04-Aug-2023 22:14	248_CCV.d	AG AS BA CD CR PB SB SE
CCB 16	1	04-Aug-2023 22:16	249_CCB.d	AG AS BA CD CR PB SB SE
CCV 17	1	04-Aug-2023 22:39	260_CCV.d	AG AS BA CD CR PB SB SE
CCB 17	1	04-Aug-2023 22:41	261_CCB.d	AG AS BA CD CR PB SB SE
CCV 18	1	04-Aug-2023 22:53	267_CCV.d	AG AS BA CD CR PB SB SE
CCB 18	1	04-Aug-2023 22:55	268_CCB.d	AG AS BA CD CR PB SB SE
CCV 19	1	04-Aug-2023 23:07	274_CCV.d	AG AS BA CD CR PB SB SE
CCB 19	1	04-Aug-2023 23:09	275_CCB.d	AG AS BA CD CR PB SB SE
CCV 20	1	04-Aug-2023 23:27	284_CCV.d	AG AS BA CD CR PB SB SE
CCB 20	1	04-Aug-2023 23:29	285_CCB.d	AG AS BA CD CR PB SB SE
CCV 21	1	04-Aug-2023 23:41	291_CCV.d	AG AS BA CD CR PB SB SE
CCB 21	1	04-Aug-2023 23:43	292_CCB.d	AG AS BA CD CR PB SB SE
CCV 22	1	05-Aug-2023 00:05	302_CCV.d	AG AS BA CD CR PB SB SE
CCB 22	1	05-Aug-2023 00:07	303_CCB.d	AG AS BA CD CR PB SB SE
CCV 23	1	05-Aug-2023 00:22	310_CCV.d	AG AS BA CD CR PB SB SE
CCB 23	1	05-Aug-2023 00:24	311_CCB.d	AG AS BA CD CR PB SB SE
CCV 24	1	05-Aug-2023 00:43	320_CCV.d	AG AS BA CD CR PB SB SE
CCB 24	1	05-Aug-2023 00:45	321_CCB.d	AG AS BA CD CR PB SB SE
CCV 25	1	05-Aug-2023 01:09	332_CCV.d	AG AS BA CD CR PB SB SE
CCB 25	1	05-Aug-2023 01:11	333_CCB.d	AG AS BA CD CR PB SB SE
CCV 26	1	05-Aug-2023 01:34	344_CCV.d	AG AS BA CD CR PB SB SE
CCB 26	1	05-Aug-2023 01:37	345_CCB.d	AG AS BA CD CR PB SB SE
CCV 27	1	05-Aug-2023 01:42	347_CCV.d	AG AS BA CD CR PB SB SE
CCB 27	1	05-Aug-2023 01:44	348_CCB.d	AG AS BA CD CR PB SB SE
LLCCV2	1	05-Aug-2023 01:46	349LCV2.d	AG AS BA CD CR PB SB SE
LLCCV5	1	05-Aug-2023 01:49	350LCV5.d	AG AS BA CD CR PB SB SE
ICSA	1	05-Aug-2023 01:51	351ICSA.d	AG AS BA CD CR PB SB SE
ICSAB	1	05-Aug-2023 01:53	352ICSB.d	AG AS BA CD CR PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Run ID:HG04_443253
Instrument:HG04
Method:SW7470A

CCB 10 Date: 04-Aug-2023 18:12 Seq: 7473919 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Mercury	0.03	0.03	0.2

CCB EXCEPTIONS REPORT

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

CCB 1	Date: 03-Aug-2023 13:04	Seq: 7469906	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.035	0.4	2	

CCB 2	Date: 03-Aug-2023 13:28	Seq: 7469911	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.963	0.4	2	

CCB 3	Date: 03-Aug-2023 13:54	Seq: 7470041	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	3.033	0.4	2	

CCB 4	Date: 03-Aug-2023 14:18	Seq: 7470031	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	2.277	0.4	2	

CCB 5	Date: 03-Aug-2023 14:44	Seq: 7470280	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.936	0.4	2	

CCB 6	Date: 03-Aug-2023 15:10	Seq: 7470292	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.91	0.4	2	

CCB 7	Date: 03-Aug-2023 15:34	Seq: 7470337	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.003	0.4	2	

CCB 9	Date: 03-Aug-2023 16:34	Seq: 7470796	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.899	0.4	2	
Arsenic	0.614	0.4	2	

CCB 10	Date: 03-Aug-2023 16:40	Seq: 7470797	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.439	0.4	2	
Arsenic	0.582	0.4	2	

CCB 11	Date: 03-Aug-2023 17:06	Seq: 7470810	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.525	0.4	2	
Arsenic	0.561	0.4	2	

CCB 14	Date: 03-Aug-2023 18:26	Seq: 7470943	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.341	0.4	2	
Arsenic	-0.474	0.4	2	

CCB 15	Date: 03-Aug-2023 18:50	Seq: 7471307	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.924	0.4	2	
Arsenic	-0.415	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

CCB 16	Date: 03-Aug-2023 19:14	Seq: 7471314	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.775	0.4	2	
Arsenic	-0.47	0.4	2	
Chromium	-0.428	0.4	4	

CCB 17	Date: 03-Aug-2023 19:28	Seq: 7471330	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.056	0.4	2	

CCB 18	Date: 03-Aug-2023 19:50	Seq: 7471341	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.524	0.4	2	

CCB 19	Date: 03-Aug-2023 20:10	Seq: 7471351	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.47	0.4	2	

CCB 20	Date: 03-Aug-2023 20:43	Seq: 7471363	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.626	0.4	2	
Arsenic	-0.514	0.4	2	
Chromium	-0.49	0.4	4	

CCB 21	Date: 03-Aug-2023 21:07	Seq: 7471375	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.135	0.4	2	
Arsenic	-0.416	0.4	2	
Chromium	-0.782	0.4	4	
Lead	1.077	0.6	2	

CCB 22	Date: 03-Aug-2023 21:31	Seq: 7471386	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.163	0.4	2	
Arsenic	-0.613	0.4	2	
Chromium	-0.75	0.4	4	
Lead	0.649	0.6	2	

CCB 23	Date: 03-Aug-2023 21:48	Seq: 7471394	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.929	0.4	2	
Arsenic	-0.612	0.4	2	
Chromium	-0.731	0.4	4	

ICCB 24	Date: 03-Aug-2023 22:25	Seq: 7471411	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.872	0.4	2	

CCB 25	Date: 03-Aug-2023 22:31	Seq: 7471414	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.296	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

CCB 26	Date: 03-Aug-2023 22:53	Seq: 7471424	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.431	0.4	2	
Arsenic	0.504	0.4	2	

CCB 27	Date: 03-Aug-2023 23:10	Seq: 7471432	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.073	0.4	2	

CCB 28	Date: 03-Aug-2023 23:27	Seq: 7471440	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.056	0.4	2	
Arsenic	0.494	0.4	2	

CCB 29	Date: 03-Aug-2023 23:54	Seq: 7471452	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.857	0.4	2	
Arsenic	0.546	0.4	2	

CCB 30	Date: 03-Aug-2023 23:58	Seq: 7471454	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.836	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Run ID:ICPMS06_443212
Instrument:ICPMS06
Method:SW6020A

CCB 8	Date: 04-Aug-2023 15:56	Seq: 7473273	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.459	0.4	2	

CCB 9	Date: 04-Aug-2023 16:19	Seq: 7473342	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.404	0.4	2	
Chromium	0.507	0.4	4	

CCB 10	Date: 04-Aug-2023 16:43	Seq: 7473954	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.522	0.4	2	
Chromium	0.486	0.4	4	

CCB 15	Date: 04-Aug-2023 21:50	Seq: 7474062	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.534	0.4	2	

CCB 16	Date: 04-Aug-2023 22:16	Seq: 7474070	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.508	0.4	2	

CCB 17	Date: 04-Aug-2023 22:41	Seq: 7474082	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Chromium	0.881	0.4	4	

Client: WSP USA Inc.
Project: Frisco GL20409062
Work Order: HS23080063

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080063-01	CL2LF001	Sediment		31-Jul-2023 07:45	01-Aug-2023 15:03	☐
HS23080063-02	CW002	Sediment		31-Jul-2023 08:14	01-Aug-2023 15:03	☐
HS23080063-03	CW003	Sediment		31-Jul-2023 08:15	01-Aug-2023 15:03	☐
HS23080063-04	CW004	Sediment		31-Jul-2023 08:27	01-Aug-2023 15:03	☐
HS23080063-05	CW005	Sediment		31-Jul-2023 08:25	01-Aug-2023 15:03	☐
HS23080063-06	CW006	Sediment		31-Jul-2023 08:38	01-Aug-2023 15:03	☐
HS23080063-07	CW007	Sediment		31-Jul-2023 08:40	01-Aug-2023 15:03	☐
HS23080063-08	CW008	Sediment		31-Jul-2023 09:00	01-Aug-2023 15:03	☐
HS23080063-09	SDAW001	Sediment		31-Jul-2023 09:10	01-Aug-2023 15:03	☐
HS23080063-10	SDAS003	Sediment		31-Jul-2023 09:25	01-Aug-2023 15:03	☐
HS23080063-11	SDAS004	Sediment		31-Jul-2023 09:27	01-Aug-2023 15:03	☐
HS23080063-12	SDAS005	Sediment		31-Jul-2023 09:44	01-Aug-2023 15:03	☐
HS23080063-13	SDAS006	Sediment		31-Jul-2023 09:45	01-Aug-2023 15:03	☐
HS23080063-14	SDAS007	Sediment		31-Jul-2023 10:00	01-Aug-2023 15:03	☐
HS23080063-15	SDAS008	Sediment		31-Jul-2023 10:00	01-Aug-2023 15:03	☐
HS23080063-16	SDAS009	Sediment		31-Jul-2023 10:10	01-Aug-2023 15:03	☐
HS23080063-17	SDAN002	Sediment		31-Jul-2023 10:31	01-Aug-2023 15:03	☐
HS23080063-18	SDAS002	Sediment		31-Jul-2023 11:00	01-Aug-2023 15:03	☐
HS23080063-19	CW001	Sediment		31-Jul-2023 16:45	01-Aug-2023 15:03	☐
HS23080063-20	CW009	Sediment		31-Jul-2023 16:37	01-Aug-2023 15:03	☐

Client: WSP USA Inc.
Project: Frisco GL20409062
Work Order: HS23080063

CASE NARRATIVE

Work Order Comments

• Added both Total and TCLP Antimony to all samples in this workorder per client request.

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CL2LF001
Collection Date: 31-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-01
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:16
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:16
Barium	**0.439**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:16
Cadmium	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:16
Chromium	**0.00646**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:16
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:16
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:16
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:16
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.483**	J	**0.0718**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Arsenic	**7.94**		**0.0773**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Barium	**100**		**0.0331**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Cadmium	**0.710**		**0.0298**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Chromium	**31.0**		**0.0254**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Lead	**136**		**0.0144**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Selenium	**1.63**		**0.101**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
Silver	**0.0710**	J	**0.0166**	**0.552**	**mg/Kg-dry**	1	03-Aug-2023 20:16
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000520**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:18
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**45.5**		**0.553**	**3.91**	**ug/Kg-dry**	1	03-Aug-2023 18:14
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**11.8**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW002
Collection Date: 31-Jul-2023 08:14

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-02
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00547**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:27
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:27
Barium	**0.624**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:27
Cadmium	**0.0122**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:27
Chromium	**0.00405**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:27
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:27
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:27
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:27
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**1.21**		**0.0639**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Arsenic	**9.95**		**0.0688**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Barium	**130**		**0.0295**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Cadmium	**6.68**		**0.0265**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Chromium	**34.0**		**0.0226**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Lead	**305**		**0.256**	**9.83**	**mg/Kg-dry**	20	04-Aug-2023 13:48
Selenium	**1.67**		**0.0895**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
Silver	**0.104**	J	**0.0147**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:45
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000460**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:41
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**52.4**		**0.517**	**3.66**	**ug/Kg-dry**	1	03-Aug-2023 18:16
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**6.81**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW003
Collection Date: 31-Jul-2023 08:15

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-03
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00605**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:33
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:33
Barium	**0.610**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:33
Cadmium	**0.00694**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:33
Chromium	**0.00701**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:33
Lead	**0.00661**	J	**0.00600**	**0.0500**	**mg/L**	1	04-Aug-2023 15:33
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:33
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:33
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.662**		**0.0689**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Arsenic	**10.6**		**0.0742**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Barium	**138**		**0.0318**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Cadmium	**0.960**		**0.0286**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Chromium	**35.4**		**0.0244**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Lead	**192**		**0.276**	**10.6**	**mg/Kg-dry**	20	04-Aug-2023 13:50
Selenium	**1.36**		**0.0965**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
Silver	**0.107**	J	**0.0159**	**0.530**	**mg/Kg-dry**	1	03-Aug-2023 20:47
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000430**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:43
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**25.1**		**0.545**	**3.86**	**ug/Kg-dry**	1	03-Aug-2023 18:18
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**12.4**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW004
Collection Date: 31-Jul-2023 08:27

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-04
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:35
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:35
Barium	**0.586**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:35
Cadmium	**0.00770**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:35
Chromium	**0.00474**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:35
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:35
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:35
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:35
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**1.11**		**0.0651**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Arsenic	**9.79**		**0.0702**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Barium	**123**		**0.0301**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Cadmium	**3.16**		**0.0271**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Chromium	**34.2**		**0.0231**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Lead	**429**		**0.261**	**10.0**	**mg/Kg-dry**	20	04-Aug-2023 13:52
Selenium	**1.40**		**0.0912**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
Silver	**0.107**	J	**0.0150**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:49
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000430**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:45
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**33.5**		**0.525**	**3.72**	**ug/Kg-dry**	1	03-Aug-2023 18:20
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**7.92**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW005
Collection Date: 31-Jul-2023 08:25

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-05
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:37
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:37
Barium	**0.552**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:37
Cadmium	**0.0174**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:37
Chromium	**0.00483**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:37
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:37
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:37
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:37
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**1.04**		**0.0639**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Arsenic	**10.3**		**0.0688**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Barium	**144**		**0.0295**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Cadmium	**2.82**		**0.0266**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Chromium	**39.1**		**0.0226**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Lead	**505**		**0.639**	**24.6**	**mg/Kg-dry**	50	04-Aug-2023 13:54
Selenium	**1.30**		**0.0895**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
Silver	**0.120**	J	**0.0148**	**0.492**	**mg/Kg-dry**	1	03-Aug-2023 20:51
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000580**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:46
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**39.3**		**0.503**	**3.56**	**ug/Kg-dry**	1	03-Aug-2023 18:21
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**5.91**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW006
Collection Date: 31-Jul-2023 08:38

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-06
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:39
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:39
Barium	**0.344**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:39
Cadmium	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:39
Chromium	**0.00533**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:39
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:39
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:39
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:39
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.603**		**0.0655**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Arsenic	**11.5**		**0.0706**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Barium	**204**		**0.605**	**10.1**	**mg/Kg-dry**	20	04-Aug-2023 13:56
Cadmium	**3.50**		**0.0272**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Chromium	**41.6**		**0.0232**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Lead	**97.5**		**0.0131**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Selenium	**2.45**		**0.0918**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
Silver	**0.121**	J	**0.0151**	**0.504**	**mg/Kg-dry**	1	03-Aug-2023 20:53
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000450**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:48
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**20.4**		**0.516**	**3.65**	**ug/Kg-dry**	1	03-Aug-2023 18:32
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**6.31**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW007
Collection Date: 31-Jul-2023 08:40

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-07
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:41
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:41
Barium	**0.191**	J	**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:41
Cadmium	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:41
Chromium	**0.00593**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:41
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:41
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:41
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:41
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.331**	J	**0.0700**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Arsenic	**10.0**		**0.0754**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Barium	**158**		**0.0323**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Cadmium	**0.682**		**0.0291**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Chromium	**43.4**		**0.0248**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Lead	**28.5**		**0.0140**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Selenium	**1.63**		**0.0980**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
Silver	**0.129**	J	**0.0162**	**0.539**	**mg/Kg-dry**	1	03-Aug-2023 20:55
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000540**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:50
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**25.3**		**0.568**	**4.02**	**ug/Kg-dry**	1	03-Aug-2023 18:33
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**15.2**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW008
Collection Date: 31-Jul-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-08
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:43
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:43
Barium	**0.390**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:43
Cadmium	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:43
Chromium	**0.00455**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:43
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:43
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:43
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:43
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.243**	J	**0.0637**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Arsenic	**7.03**		**0.0686**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Barium	**118**		**0.0294**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Cadmium	**0.645**		**0.0265**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Chromium	**33.9**		**0.0225**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Lead	**19.1**		**0.0127**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Selenium	**1.13**		**0.0892**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
Silver	**0.105**	J	**0.0147**	**0.490**	**mg/Kg-dry**	1	03-Aug-2023 20:57
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000440**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:52
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**23.3**		**0.519**	**3.67**	**ug/Kg-dry**	1	03-Aug-2023 18:35
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**6.65**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAW001
Collection Date: 31-Jul-2023 09:10

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-09
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:45
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:45
Barium	**0.284**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:45
Cadmium	**0.00210**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:45
Chromium	**0.00500**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:45
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:45
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:45
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:45
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.562**		**0.0651**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Arsenic	**8.82**		**0.0701**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Barium	**108**		**0.0301**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Cadmium	**0.779**		**0.0271**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Chromium	**20.2**		**0.0230**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Lead	**99.0**		**0.261**	**10.0**	**mg/Kg-dry**	20	04-Aug-2023 13:58
Selenium	**1.26**		**0.0912**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
Silver	**0.0524**	J	**0.0150**	**0.501**	**mg/Kg-dry**	1	03-Aug-2023 20:59
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000510**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:53
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**74.0**		**0.507**	**3.58**	**ug/Kg-dry**	1	03-Aug-2023 18:37
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**4.60**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS003
Collection Date: 31-Jul-2023 09:25

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-10
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00572**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:47
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:47
Barium	**0.260**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:47
Cadmium	**0.00337**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:47
Chromium	**0.00482**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:47
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:47
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:47
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:47
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**1.45**		**0.0669**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Arsenic	**9.95**		**0.0720**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Barium	**67.4**		**0.0309**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Cadmium	**1.75**		**0.0278**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Chromium	**22.7**		**0.0237**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Lead	**634**		**0.669**	**25.7**	**mg/Kg-dry**	50	04-Aug-2023 14:04
Selenium	**1.61**		**0.0936**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
Silver	**0.0691**	J	**0.0154**	**0.514**	**mg/Kg-dry**	1	03-Aug-2023 21:01
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000490**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:55
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**51.8**		**0.507**	**3.58**	**ug/Kg-dry**	1	03-Aug-2023 18:38
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**6.94**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS004
Collection Date: 31-Jul-2023 09:27

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-11
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00864**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:50
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:50
Barium	**0.357**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:50
Cadmium	**0.00404**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:50
Chromium	**0.00430**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:50
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:50
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:50
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:50
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.953**		**0.0638**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Arsenic	**7.98**		**0.0687**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Barium	**58.6**		**0.0294**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Cadmium	**1.29**		**0.0265**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Chromium	**22.9**		**0.0226**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Lead	**278**		**0.255**	**9.81**	**mg/Kg-dry**	20	04-Aug-2023 14:06
Selenium	**1.43**		**0.0893**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
Silver	**0.0571**	J	**0.0147**	**0.491**	**mg/Kg-dry**	1	03-Aug-2023 21:03
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000490**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 14:57
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**184**		**0.526**	**3.72**	**ug/Kg-dry**	1	03-Aug-2023 18:40
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**6.59**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation. **Revision:** 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS005
Collection Date: 31-Jul-2023 09:44

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-12
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00975**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:52
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 15:52
Barium	**0.343**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 15:52
Cadmium	**0.00392**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 15:52
Chromium	**0.00437**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 15:52
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 15:52
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 15:52
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 15:52
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**4.57**		**0.0624**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Arsenic	**12.7**		**0.0672**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Barium	**79.2**		**0.0288**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Cadmium	**3.66**		**0.0259**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Chromium	**29.0**		**0.0221**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Lead	**1,370**		**1.25**	**48.0**	**mg/Kg-dry**	100	04-Aug-2023 14:08
Selenium	**1.52**		**0.0874**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
Silver	**0.0930**	J	**0.0144**	**0.480**	**mg/Kg-dry**	1	03-Aug-2023 21:09
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000480**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:09
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**153**		**0.498**	**3.52**	**ug/Kg-dry**	1	03-Aug-2023 18:42
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**4.47**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS006
Collection Date: 31-Jul-2023 09:45

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-13
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.0167**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:00
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:00
Barium	**0.333**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:00
Cadmium	**0.00977**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:00
Chromium	**0.00596**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:00
Lead	**0.0315**	J	**0.00600**	**0.0500**	**mg/L**	1	04-Aug-2023 16:00
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:00
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:00
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**2.57**		**0.0720**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Arsenic	**9.88**		**0.0775**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Barium	**67.3**		**0.0332**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Cadmium	**2.82**		**0.0299**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Chromium	**25.9**		**0.0255**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Lead	**824**		**1.44**	**55.3**	**mg/Kg-dry**	100	04-Aug-2023 14:10
Selenium	**1.53**		**0.101**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
Silver	**0.0950**	J	**0.0166**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:11
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000540**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:10
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**107**		**0.568**	**4.02**	**ug/Kg-dry**	1	03-Aug-2023 18:44
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**13.7**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS007
Collection Date: 31-Jul-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-14
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023			Analyst: JC
Antimony	**0.0265**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:02
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:02
Barium	**0.513**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:02
Cadmium	**0.0186**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:02
Chromium	**0.00725**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:02
Lead	**0.427**		**0.00600**	**0.0500**	**mg/L**	1	04-Aug-2023 16:02
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:02
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:02
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Antimony	**7.65**		**0.0618**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Arsenic	**14.3**		**0.0665**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Barium	**59.2**		**0.0285**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Cadmium	**3.80**		**0.0257**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Chromium	**21.4**		**0.0219**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Lead	**2,700**		**2.47**	**95.0**	**mg/Kg-dry**	200	04-Aug-2023 14:12
Selenium	**1.36**		**0.0865**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
Silver	**0.114**	J	**0.0143**	**0.475**	**mg/Kg-dry**	1	03-Aug-2023 21:13
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023			Analyst: JS
Mercury	**0.0000380**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:12
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**51.8**		**0.501**	**3.55**	**ug/Kg-dry**	1	03-Aug-2023 18:45
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**2.96**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS008
Collection Date: 31-Jul-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-15
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.0130**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:04
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:04
Barium	**0.640**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:04
Cadmium	**0.0120**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:04
Chromium	**0.00872**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:04
Lead	**0.0971**		**0.00600**	**0.0500**	**mg/L**	1	04-Aug-2023 16:04
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:04
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:04
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**4.09**		**0.0654**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Arsenic	**11.3**		**0.0704**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Barium	**79.5**		**0.0302**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Cadmium	**2.63**		**0.0271**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Chromium	**22.4**		**0.0231**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Lead	**1,230**		**1.31**	**50.3**	**mg/Kg-dry**	100	04-Aug-2023 14:14
Selenium	**1.35**		**0.0915**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
Silver	**0.0675**	J	**0.0151**	**0.503**	**mg/Kg-dry**	1	03-Aug-2023 21:15
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000540**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:14
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**47.0**		**0.528**	**3.73**	**ug/Kg-dry**	1	03-Aug-2023 14:24
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**6.48**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS009
Collection Date: 31-Jul-2023 10:10

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-16
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00722**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:06
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:06
Barium	**0.564**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:06
Cadmium	**0.00246**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:06
Chromium	**0.00675**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:06
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 16:06
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:06
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:06
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**2.19**		**0.0635**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Arsenic	**10.1**		**0.0684**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Barium	**62.9**		**0.0293**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Cadmium	**2.19**		**0.0264**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Chromium	**20.6**		**0.0225**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Lead	**752**		**1.27**	**48.8**	**mg/Kg-dry**	100	04-Aug-2023 14:16
Selenium	**1.05**		**0.0889**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
Silver	**0.0559**	J	**0.0146**	**0.488**	**mg/Kg-dry**	1	03-Aug-2023 21:17
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000520**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:15
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**57.5**		**0.509**	**3.60**	**ug/Kg-dry**	1	03-Aug-2023 15:14
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**3.62**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAN002
Collection Date: 31-Jul-2023 10:31

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-17
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023		Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	**0.00552**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:08
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:08
Barium	**0.596**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:08
Cadmium	**0.0138**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:08
Chromium	**0.00483**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:08
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 16:08
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:08
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:08
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.514**		**0.0664**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Arsenic	**10.6**		**0.0715**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Barium	**133**		**0.0306**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Cadmium	**0.904**		**0.0276**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Chromium	**32.2**		**0.0235**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Lead	**66.0**		**0.0133**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Selenium	**1.19**		**0.0930**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
Silver	**0.0884**	J	**0.0153**	**0.511**	**mg/Kg-dry**	1	03-Aug-2023 21:19
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023		Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000480**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:17
MERCURY BY SW7471B	**Method:SW7471B**				Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**50.5**		**0.511**	**3.62**	**ug/Kg-dry**	1	03-Aug-2023 15:15
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**5.60**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: SDAS002
Collection Date: 31-Jul-2023 11:00

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-18
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023			Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:11
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:11
Barium	**0.0719**	J	**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:11
Cadmium	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:11
Chromium	**0.00711**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:11
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 16:11
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:11
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:11
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Antimony	**0.0830**	J	**0.0748**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Arsenic	**4.67**		**0.0806**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Barium	**28.8**		**0.0345**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Cadmium	**0.0367**	J	**0.0311**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Chromium	**19.8**		**0.0265**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Lead	**14.1**		**0.0150**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Selenium	**1.21**		**0.105**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
Silver	**0.0331**	J	**0.0173**	**0.575**	**mg/Kg-dry**	1	03-Aug-2023 21:34
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023			Analyst: JS
Mercury	**0.0000410**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 15:47
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**14.5**		**0.573**	**4.06**	**ug/Kg-dry**	1	03-Aug-2023 15:17
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**16.7**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW001
Collection Date: 31-Jul-2023 16:45

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-19
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:13
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:13
Barium	**0.491**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:13
Cadmium	**0.0122**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:13
Chromium	**0.00559**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:13
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 16:13
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:13
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:13
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.657**		**0.0718**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Arsenic	**10.4**		**0.0774**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Barium	**157**		**0.0332**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Cadmium	**2.18**		**0.0298**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Chromium	**43.1**		**0.0254**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Lead	**95.0**		**0.0144**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Selenium	**1.58**		**0.101**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
Silver	**0.128**	J	**0.0166**	**0.553**	**mg/Kg-dry**	1	03-Aug-2023 21:38
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000440**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 16:06
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**36.7**		**0.543**	**3.84**	**ug/Kg-dry**	1	03-Aug-2023 15:19
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**12.4**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
Sample ID: CW009
Collection Date: 31-Jul-2023 16:37

ANALYTICAL REPORT
WorkOrder:HS23080063
Lab ID:HS23080063-20
Matrix:Sediment

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 02-Aug-2023	Prep:SW3010A / 03-Aug-2023		Analyst: JC
Antimony	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:15
Arsenic	U		0.00400	0.0500	mg/L	1	04-Aug-2023 16:15
Barium	**0.512**		**0.0190**	**0.200**	**mg/L**	1	04-Aug-2023 16:15
Cadmium	**0.0108**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Aug-2023 16:15
Chromium	**0.00606**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Aug-2023 16:15
Lead	U		0.00600	0.0500	mg/L	1	04-Aug-2023 16:15
Selenium	U		0.0110	0.0500	mg/L	1	04-Aug-2023 16:15
Silver	U		0.00200	0.0500	mg/L	1	04-Aug-2023 16:15
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Antimony	**0.423**	J	**0.0711**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Arsenic	**9.71**		**0.0765**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Barium	**141**		**0.0328**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Cadmium	**2.33**		**0.0295**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Chromium	**38.3**		**0.0251**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Lead	**61.8**		**0.0142**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Selenium	**1.67**		**0.0995**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
Silver	**0.123**	J	**0.0164**	**0.547**	**mg/Kg-dry**	1	03-Aug-2023 21:42
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 02-Aug-2023	Prep:SW7470A / 04-Aug-2023		Analyst: JS
Mercury	**0.0000410**	J	**0.0000300**	**0.000200**	**mg/L**	1	04-Aug-2023 16:08
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**37.9**		**0.562**	**3.97**	**ug/Kg-dry**	1	03-Aug-2023 15:20
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**15.1**		**0.0100**	**0.0100**	**wt%**	1	03-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Revision: 1

Weight / Prep Log

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Batch ID: 198381 **Start Date:** 03 Aug 2023 13:30 **End Date:** 03 Aug 2023 13:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		0.5133 (g)	50 (mL)	97.41	4-oz glass, Neat
HS23080063-02		0.5458 (g)	50 (mL)	91.61	4-oz glass, Neat
HS23080063-03		0.5382 (g)	50 (mL)	92.9	4-oz glass, Neat
HS23080063-04		0.5418 (g)	50 (mL)	92.28	4-oz glass, Neat
HS23080063-05		0.5403 (g)	50 (mL)	92.54	4-oz glass, Neat
HS23080063-06		0.5293 (g)	50 (mL)	94.46	4-oz glass, Neat
HS23080063-07		0.5473 (g)	50 (mL)	91.36	4-oz glass, Neat
HS23080063-08		0.5465 (g)	50 (mL)	91.49	4-oz glass, Neat
HS23080063-09		0.5231 (g)	50 (mL)	95.58	8-oz glass, Neat
HS23080063-10		0.5224 (g)	50 (mL)	95.71	8-oz glass, Neat
HS23080063-11		0.5456 (g)	50 (mL)	91.64	8oz Amber Glass Jar
HS23080063-12		0.5451 (g)	50 (mL)	91.73	8-oz glass, Neat
HS23080063-13		0.5234 (g)	50 (mL)	95.53	8-oz glass, Neat
HS23080063-14		0.5421 (g)	50 (mL)	92.23	8-oz glass, Neat
HS23080063-15		0.5317 (g)	50 (mL)	94.04	8-oz glass, Neat
HS23080063-16		0.5313 (g)	50 (mL)	94.11	Ziplock Bag
HS23080063-17		0.5185 (g)	50 (mL)	96.43	Ziplock Bag
HS23080063-18		0.5216 (g)	50 (mL)	95.86	Ziplock Bag
HS23080063-19		0.5165 (g)	50 (mL)	96.81	Ziplock Bag
HS23080063-20		0.5386 (g)	50 (mL)	92.83	Ziplock Bag

Batch ID: 198388 **Start Date:** 03 Aug 2023 11:00 **End Date:** 03 Aug 2023 11:00
Method: MERCURY PREP - SOLID - 7471B **Prep Code:** HG_S_LOWPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		0.5782 (grams)	40 (mL)	69.18	4-oz glass, Neat
HS23080063-02		0.5848 (grams)	40 (mL)	68.4	4-oz glass, Neat
HS23080063-03		0.5906 (grams)	40 (mL)	67.73	4-oz glass, Neat
HS23080063-04		0.5831 (grams)	40 (mL)	68.6	4-oz glass, Neat
HS23080063-05		0.5957 (grams)	40 (mL)	67.15	4-oz glass, Neat
HS23080063-06		0.5828 (grams)	40 (mL)	68.63	4-oz glass, Neat
HS23080063-07		0.5857 (grams)	40 (mL)	68.29	4-oz glass, Neat
HS23080063-08		0.5819 (grams)	40 (mL)	68.74	4-oz glass, Neat
HS23080063-09		0.5835 (grams)	40 (mL)	68.55	8-oz glass, Neat
HS23080063-10		0.598 (grams)	40 (mL)	66.89	8-oz glass, Neat
HS23080063-11		0.5734 (grams)	40 (mL)	69.76	8oz Amber Glass Jar
HS23080063-12		0.5929 (grams)	40 (mL)	67.47	8-oz glass, Neat
HS23080063-13		0.5757 (grams)	40 (mL)	69.48	8-oz glass, Neat
HS23080063-14		0.5796 (grams)	40 (mL)	69.01	8-oz glass, Neat

Revision: 1

Weight / Prep Log

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Batch ID: 198389 **Start Date:** 03 Aug 2023 08:00 **End Date:** 03 Aug 2023 08:00
Method: MERCURY PREP - SOLID - 7471B **Prep Code:** HG_S_LOWPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-15		0.5715 (grams)	40 (mL)	69.99	8-oz glass, Neat
HS23080063-16		0.5746 (grams)	40 (mL)	69.61	Ziplock Bag
HS23080063-17		0.5841 (grams)	40 (mL)	68.48	Ziplock Bag
HS23080063-18		0.5905 (grams)	40 (mL)	67.74	Ziplock Bag
HS23080063-19		0.5926 (grams)	40 (mL)	67.5	Ziplock Bag
HS23080063-20		0.5913 (grams)	40 (mL)	67.65	Ziplock Bag

Batch ID: 198407 **Start Date:** 01 Aug 2023 15:00 **End Date:** 01 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-09		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-10		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-11		25 (grams)	500 (mL)	20	8oz Amber Glass Jar
HS23080063-12		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-13		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-16		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-18		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-19		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-20		25 (grams)	500 (mL)	20	Ziplock Bag

Batch ID: 198408 **Start Date:** 01 Aug 2023 15:00 **End Date:** 01 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-14		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-15		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-17		25 (grams)	500 (mL)	20	Ziplock Bag

Revision: 1

Weight / Prep Log

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Batch ID: 198409 **Start Date:** 01 Aug 2023 15:00 **End Date:** 01 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-09		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-10		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-11		25 (grams)	500 (mL)	20	8oz Amber Glass Jar
HS23080063-12		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-13		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-16		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-18		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-19		25 (grams)	500 (mL)	20	Ziplock Bag
HS23080063-20		25 (grams)	500 (mL)	20	Ziplock Bag

Batch ID: 198410 **Start Date:** 01 Aug 2023 15:00 **End Date:** 01 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080063-14		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-15		25 (grams)	500 (mL)	20	8-oz glass, Neat
HS23080063-17		25 (grams)	500 (mL)	20	Ziplock Bag

Revision: 1

Weight / Prep Log

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Batch ID: 198485 **Start Date:** 03 Aug 2023 08:30 **End Date:** 03 Aug 2023 08:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080063-09		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-10		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-11		1 (mL)	10 (mL)	10	8oz Amber Glass Jar
HS23080063-12		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-13		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-14		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-15		1 (mL)	10 (mL)	10	8-oz glass, Neat
HS23080063-16		1 (mL)	10 (mL)	10	Ziplock Bag
HS23080063-17		1 (mL)	10 (mL)	10	Ziplock Bag
HS23080063-18		1 (mL)	10 (mL)	10	Ziplock Bag
HS23080063-19		1 (mL)	10 (mL)	10	Ziplock Bag
HS23080063-20		1 (mL)	10 (mL)	10	Ziplock Bag

Batch ID: 198587 **Start Date:** 04 Aug 2023 08:00 **End Date:** 04 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080063-09		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-10		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-11		10 (mL)	10 (mL)	1	8oz Amber Glass Jar
HS23080063-12		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-13		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-14		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-15		10 (mL)	10 (mL)	1	8-oz glass, Neat
HS23080063-16		10 (mL)	10 (mL)	1	Ziplock Bag
HS23080063-17		10 (mL)	10 (mL)	1	Ziplock Bag

Revision: 1

Weight / Prep Log

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

Batch ID: 198589 **Start Date:** 04 Aug 2023 08:00 **End Date:** 04 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080063-18		10 (mL)	10 (mL)	1	Ziplock Bag
HS23080063-19		10 (mL)	10 (mL)	1	Ziplock Bag
HS23080063-20		10 (mL)	10 (mL)	1	Ziplock Bag

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198381 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Sediment	
HS23080063-01	CL2LF001	31 Jul 2023 07:45		03 Aug 2023 13:30	03 Aug 2023 20:16	1
HS23080063-02	CW002	31 Jul 2023 08:14		03 Aug 2023 13:30	04 Aug 2023 13:48	20
HS23080063-02	CW002	31 Jul 2023 08:14		03 Aug 2023 13:30	03 Aug 2023 20:45	1
HS23080063-03	CW003	31 Jul 2023 08:15		03 Aug 2023 13:30	04 Aug 2023 13:50	20
HS23080063-03	CW003	31 Jul 2023 08:15		03 Aug 2023 13:30	03 Aug 2023 20:47	1
HS23080063-04	CW004	31 Jul 2023 08:27		03 Aug 2023 13:30	04 Aug 2023 13:52	20
HS23080063-04	CW004	31 Jul 2023 08:27		03 Aug 2023 13:30	03 Aug 2023 20:49	1
HS23080063-05	CW005	31 Jul 2023 08:25		03 Aug 2023 13:30	04 Aug 2023 13:54	50
HS23080063-05	CW005	31 Jul 2023 08:25		03 Aug 2023 13:30	03 Aug 2023 20:51	1
HS23080063-06	CW006	31 Jul 2023 08:38		03 Aug 2023 13:30	04 Aug 2023 13:56	20
HS23080063-06	CW006	31 Jul 2023 08:38		03 Aug 2023 13:30	03 Aug 2023 20:53	1
HS23080063-07	CW007	31 Jul 2023 08:40		03 Aug 2023 13:30	03 Aug 2023 20:55	1
HS23080063-08	CW008	31 Jul 2023 09:00		03 Aug 2023 13:30	03 Aug 2023 20:57	1
HS23080063-09	SDAW001	31 Jul 2023 09:10		03 Aug 2023 13:30	04 Aug 2023 13:58	20
HS23080063-09	SDAW001	31 Jul 2023 09:10		03 Aug 2023 13:30	03 Aug 2023 20:59	1
HS23080063-10	SDAS003	31 Jul 2023 09:25		03 Aug 2023 13:30	04 Aug 2023 14:04	50
HS23080063-10	SDAS003	31 Jul 2023 09:25		03 Aug 2023 13:30	03 Aug 2023 21:01	1
HS23080063-11	SDAS004	31 Jul 2023 09:27		03 Aug 2023 13:30	04 Aug 2023 14:06	20
HS23080063-11	SDAS004	31 Jul 2023 09:27		03 Aug 2023 13:30	03 Aug 2023 21:03	1
HS23080063-12	SDAS005	31 Jul 2023 09:44		03 Aug 2023 13:30	04 Aug 2023 14:08	100
HS23080063-12	SDAS005	31 Jul 2023 09:44		03 Aug 2023 13:30	03 Aug 2023 21:09	1
HS23080063-13	SDAS006	31 Jul 2023 09:45		03 Aug 2023 13:30	04 Aug 2023 14:10	100
HS23080063-13	SDAS006	31 Jul 2023 09:45		03 Aug 2023 13:30	03 Aug 2023 21:11	1
HS23080063-14	SDAS007	31 Jul 2023 10:00		03 Aug 2023 13:30	04 Aug 2023 14:12	200
HS23080063-14	SDAS007	31 Jul 2023 10:00		03 Aug 2023 13:30	03 Aug 2023 21:13	1
HS23080063-15	SDAS008	31 Jul 2023 10:00		03 Aug 2023 13:30	04 Aug 2023 14:14	100
HS23080063-15	SDAS008	31 Jul 2023 10:00		03 Aug 2023 13:30	03 Aug 2023 21:15	1
HS23080063-16	SDAS009	31 Jul 2023 10:10		03 Aug 2023 13:30	04 Aug 2023 14:16	100
HS23080063-16	SDAS009	31 Jul 2023 10:10		03 Aug 2023 13:30	03 Aug 2023 21:17	1
HS23080063-17	SDAN002	31 Jul 2023 10:31		03 Aug 2023 13:30	03 Aug 2023 21:19	1
HS23080063-18	SDAS002	31 Jul 2023 11:00		03 Aug 2023 13:30	03 Aug 2023 21:34	1
HS23080063-19	CW001	31 Jul 2023 16:45		03 Aug 2023 13:30	03 Aug 2023 21:38	1
HS23080063-20	CW009	31 Jul 2023 16:37		03 Aug 2023 13:30	03 Aug 2023 21:42	1

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198388 (0)	**Test Name :** MERCURY BY SW7471B				**Matrix:** Sediment	
HS23080063-01	CL2LF001	31 Jul 2023 07:45		03 Aug 2023 11:00	03 Aug 2023 18:14	1
HS23080063-02	CW002	31 Jul 2023 08:14		03 Aug 2023 11:00	03 Aug 2023 18:16	1
HS23080063-03	CW003	31 Jul 2023 08:15		03 Aug 2023 11:00	03 Aug 2023 18:18	1
HS23080063-04	CW004	31 Jul 2023 08:27		03 Aug 2023 11:00	03 Aug 2023 18:20	1
HS23080063-05	CW005	31 Jul 2023 08:25		03 Aug 2023 11:00	03 Aug 2023 18:21	1
HS23080063-06	CW006	31 Jul 2023 08:38		03 Aug 2023 11:00	03 Aug 2023 18:32	1
HS23080063-07	CW007	31 Jul 2023 08:40		03 Aug 2023 11:00	03 Aug 2023 18:33	1
HS23080063-08	CW008	31 Jul 2023 09:00		03 Aug 2023 11:00	03 Aug 2023 18:35	1
HS23080063-09	SDAW001	31 Jul 2023 09:10		03 Aug 2023 11:00	03 Aug 2023 18:37	1
HS23080063-10	SDAS003	31 Jul 2023 09:25		03 Aug 2023 11:00	03 Aug 2023 18:38	1
HS23080063-11	SDAS004	31 Jul 2023 09:27		03 Aug 2023 11:00	03 Aug 2023 18:40	1
HS23080063-12	SDAS005	31 Jul 2023 09:44		03 Aug 2023 11:00	03 Aug 2023 18:42	1
HS23080063-13	SDAS006	31 Jul 2023 09:45		03 Aug 2023 11:00	03 Aug 2023 18:44	1
HS23080063-14	SDAS007	31 Jul 2023 10:00		03 Aug 2023 11:00	03 Aug 2023 18:45	1
Batch ID: 198389 (0)	**Test Name :** MERCURY BY SW7471B				**Matrix:** Sediment	
HS23080063-15	SDAS008	31 Jul 2023 10:00		03 Aug 2023 08:00	03 Aug 2023 14:24	1
HS23080063-16	SDAS009	31 Jul 2023 10:10		03 Aug 2023 08:00	03 Aug 2023 15:14	1
HS23080063-17	SDAN002	31 Jul 2023 10:31		03 Aug 2023 08:00	03 Aug 2023 15:15	1
HS23080063-18	SDAS002	31 Jul 2023 11:00		03 Aug 2023 08:00	03 Aug 2023 15:17	1
HS23080063-19	CW001	31 Jul 2023 16:45		03 Aug 2023 08:00	03 Aug 2023 15:19	1
HS23080063-20	CW009	31 Jul 2023 16:37		03 Aug 2023 08:00	03 Aug 2023 15:20	1

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198485 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Sediment	
HS23080063-01	CL2LF001	31 Jul 2023 07:45	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:16	1
HS23080063-02	CW002	31 Jul 2023 08:14	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:27	1
HS23080063-03	CW003	31 Jul 2023 08:15	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:33	1
HS23080063-04	CW004	31 Jul 2023 08:27	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:35	1
HS23080063-05	CW005	31 Jul 2023 08:25	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:37	1
HS23080063-06	CW006	31 Jul 2023 08:38	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:39	1
HS23080063-07	CW007	31 Jul 2023 08:40	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:41	1
HS23080063-08	CW008	31 Jul 2023 09:00	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:43	1
HS23080063-09	SDAW001	31 Jul 2023 09:10	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:45	1
HS23080063-10	SDAS003	31 Jul 2023 09:25	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:47	1
HS23080063-11	SDAS004	31 Jul 2023 09:27	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:50	1
HS23080063-12	SDAS005	31 Jul 2023 09:44	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 15:52	1
HS23080063-13	SDAS006	31 Jul 2023 09:45	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:00	1
HS23080063-14	SDAS007	31 Jul 2023 10:00	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:02	1
HS23080063-15	SDAS008	31 Jul 2023 10:00	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:04	1
HS23080063-16	SDAS009	31 Jul 2023 10:10	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:06	1
HS23080063-17	SDAN002	31 Jul 2023 10:31	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:08	1
HS23080063-18	SDAS002	31 Jul 2023 11:00	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:11	1
HS23080063-19	CW001	31 Jul 2023 16:45	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:13	1
HS23080063-20	CW009	31 Jul 2023 16:37	02 Aug 2023 08:00	03 Aug 2023 08:30	04 Aug 2023 16:15	1
Batch ID: 198587 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Sediment	
HS23080063-01	CL2LF001	31 Jul 2023 07:45	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:18	1
HS23080063-02	CW002	31 Jul 2023 08:14	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:41	1
HS23080063-03	CW003	31 Jul 2023 08:15	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:43	1
HS23080063-04	CW004	31 Jul 2023 08:27	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:45	1
HS23080063-05	CW005	31 Jul 2023 08:25	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:46	1
HS23080063-06	CW006	31 Jul 2023 08:38	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:48	1
HS23080063-07	CW007	31 Jul 2023 08:40	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:50	1
HS23080063-08	CW008	31 Jul 2023 09:00	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:52	1
HS23080063-09	SDAW001	31 Jul 2023 09:10	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:53	1
HS23080063-10	SDAS003	31 Jul 2023 09:25	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:55	1
HS23080063-11	SDAS004	31 Jul 2023 09:27	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 14:57	1
HS23080063-12	SDAS005	31 Jul 2023 09:44	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:09	1
HS23080063-13	SDAS006	31 Jul 2023 09:45	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:10	1
HS23080063-14	SDAS007	31 Jul 2023 10:00	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:12	1
HS23080063-15	SDAS008	31 Jul 2023 10:00	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:14	1
HS23080063-16	SDAS009	31 Jul 2023 10:10	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:15	1
HS23080063-17	SDAN002	31 Jul 2023 10:31	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:17	1

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198589 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Sediment	
HS23080063-18	SDAS002	31 Jul 2023 11:00	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 15:47	1
HS23080063-19	CW001	31 Jul 2023 16:45	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 16:06	1
HS23080063-20	CW009	31 Jul 2023 16:37	02 Aug 2023 08:00	04 Aug 2023 08:00	04 Aug 2023 16:08	1
Batch ID: R443190 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Sediment	
HS23080063-01	CL2LF001	31 Jul 2023 07:45			03 Aug 2023 15:05	1
HS23080063-02	CW002	31 Jul 2023 08:14			03 Aug 2023 15:05	1
HS23080063-03	CW003	31 Jul 2023 08:15			03 Aug 2023 15:05	1
HS23080063-04	CW004	31 Jul 2023 08:27			03 Aug 2023 15:05	1
HS23080063-05	CW005	31 Jul 2023 08:25			03 Aug 2023 15:05	1
HS23080063-06	CW006	31 Jul 2023 08:38			03 Aug 2023 15:05	1
HS23080063-07	CW007	31 Jul 2023 08:40			03 Aug 2023 15:05	1
HS23080063-08	CW008	31 Jul 2023 09:00			03 Aug 2023 15:05	1
HS23080063-09	SDAW001	31 Jul 2023 09:10			03 Aug 2023 15:05	1
HS23080063-10	SDAS003	31 Jul 2023 09:25			03 Aug 2023 15:05	1
HS23080063-11	SDAS004	31 Jul 2023 09:27			03 Aug 2023 15:05	1
HS23080063-12	SDAS005	31 Jul 2023 09:44			03 Aug 2023 15:05	1
HS23080063-13	SDAS006	31 Jul 2023 09:45			03 Aug 2023 15:05	1
HS23080063-14	SDAS007	31 Jul 2023 10:00			03 Aug 2023 15:05	1
HS23080063-15	SDAS008	31 Jul 2023 10:00			03 Aug 2023 15:05	1
HS23080063-16	SDAS009	31 Jul 2023 10:10			03 Aug 2023 15:05	1
HS23080063-17	SDAN002	31 Jul 2023 10:31			03 Aug 2023 15:05	1
HS23080063-18	SDAS002	31 Jul 2023 11:00			03 Aug 2023 15:05	1
HS23080063-19	CW001	31 Jul 2023 16:45			03 Aug 2023 15:05	1
HS23080063-20	CW009	31 Jul 2023 16:37			03 Aug 2023 15:05	1

Revision: 1

WorkOrder: HS23080063
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23080063
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.00125	0.00154	0.000400	0.00500
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

Revision:1

WorkOrder: HS23080063
InstrumentID: HG04
Test Code: HG_S_Low
Test Number: SW7471B
Test Name: Mercury by SW7471B

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** µg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	1.67	0.333	0.470	3.32

Revision:1

WorkOrder: HS23080063
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.112	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Barium	7440-39-3	0.100	0.0990	0.0300	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Chromium	7440-47-3	0.100	0.0952	0.0230	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500
A	Silver	7440-22-4	0.100	0.101	0.0150	0.500

Revision:1

WorkOrder: HS23080063
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Revision:1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198381 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198381** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:12**
Client ID: Run ID: **ICPMS05_443091** SeqNo: **7471352** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.499								
Arsenic	U	0.499								
Barium	U	0.499								
Cadmium	U	0.499								
Chromium	U	0.499								
Lead	U	0.499								
Selenium	U	0.499								
Silver	U	0.499								

LCS Sample ID: **LCS-198381** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:14**
Client ID: Run ID: **ICPMS05_443091** SeqNo: **7471353** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.3	0.498	9.968	0	93.3	80 - 120				
Arsenic	9.674	0.498	9.968	0	97.0	80 - 120				
Barium	9.734	0.498	9.968	0	97.6	80 - 120				
Cadmium	9.811	0.498	9.968	0	98.4	80 - 120				
Chromium	10.16	0.498	9.968	0	102	80 - 120				
Lead	10	0.498	9.968	0	100	80 - 120				
Selenium	9.655	0.498	9.968	0	96.9	80 - 120				
Silver	9.872	0.498	9.968	0	99.0	80 - 120				

MS Sample ID: **HS23080063-01MS** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:31**
Client ID: **CL2LF001** Run ID: **ICPMS05_443091** SeqNo: **7471357** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.988	0.475	9.508	0.4258	16.4	75 - 125				S
Arsenic	16.35	0.475	9.508	7.002	98.3	75 - 125				
Barium	110.8	0.475	9.508	88.62	233	75 - 125				SO
Cadmium	9.149	0.475	9.508	0.6266	89.6	75 - 125				
Chromium	36.57	0.475	9.508	27.36	96.9	75 - 125				
Lead	245.9	0.475	9.508	120.4	1320	75 - 125				SEO
Selenium	8.874	0.475	9.508	1.441	78.2	75 - 125				
Silver	7.717	0.475	9.508	0.06263	80.5	75 - 125				

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198381 (0) **Instrument:** ICPMS05 **Method:** METALS BY SW6020A

MSD Sample ID: **HS23080063-01MSD** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:33**
Client ID: **CL2LF001** Run ID: **ICPMS05_443091** SeqNo: **7471358** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.572	0.473	9.468	0.4258	22.7	75 - 125	1.988	25.6	20	SR
Arsenic	17.27	0.473	9.468	7.002	108	75 - 125	16.35	5.51	20	
Barium	110.1	0.473	9.468	88.62	227	75 - 125	110.8	0.615	20	SO
Cadmium	10.17	0.473	9.468	0.6266	101	75 - 125	9.149	10.5	20	
Chromium	35.7	0.473	9.468	27.36	88.1	75 - 125	36.57	2.42	20	
Lead	239.9	0.473	9.468	120.4	1260	75 - 125	245.9	2.5	20	SEO
Selenium	9.6	0.473	9.468	1.441	86.2	75 - 125	8.874	7.86	20	
Silver	8.811	0.473	9.468	0.06263	92.4	75 - 125	7.717	13.2	20	

PDS Sample ID: **HS23080063-01PDS** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:37**
Client ID: **CL2LF001** Run ID: **ICPMS05_443091** SeqNo: **7471360** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.745	0.487	9.741	0.4258	95.7	75 - 125				
Arsenic	15.94	0.487	9.741	7.002	91.8	75 - 125				
Barium	98.85	0.487	9.741	88.62	105	75 - 125				O
Cadmium	10.24	0.487	9.741	0.6266	98.7	75 - 125				
Chromium	35.91	0.487	9.741	27.36	87.8	75 - 125				
Lead	130.1	0.487	9.741	120.4	99.8	75 - 125				O
Selenium	10.44	0.487	9.741	1.441	92.3	75 - 125				
Silver	8.76	0.487	9.741	0.06263	89.3	75 - 125				

SD Sample ID: **HS23080063-01SD** Units: **mg/Kg** Analysis Date: **03-Aug-2023 20:18**
Client ID: **CL2LF001** Run ID: **ICPMS05_443091** SeqNo: **7471355** PrepDate: **03-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	0.4068	2.44					0.4258	0	10	J
Arsenic	7.018	2.44					7.002	0.225	10	
Barium	90.6	2.44					88.62	2.23	10	
Cadmium	0.6614	2.44					0.6266	0	10	J
Chromium	28.64	2.44					27.36	4.7	10	
Lead	117	2.44					120.4	2.77	10	
Selenium	1.824	2.44					1.441	0	10	J
Silver	U	2.44					0.06263	0	10	

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198381 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

The following samples were analyzed in this batch:

HS23080063-01	HS23080063-02	HS23080063-03	HS23080063-04
HS23080063-05	HS23080063-06	HS23080063-07	HS23080063-08
HS23080063-09	HS23080063-10	HS23080063-11	HS23080063-12
HS23080063-13	HS23080063-14	HS23080063-15	HS23080063-16
HS23080063-17	HS23080063-18	HS23080063-19	HS23080063-20

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198388 (0) **Instrument: HG04** **Method: MERCURY BY SW7471B**

MBLK Sample ID: **MBLK-198388** Units: **ug/Kg** Analysis Date: **03-Aug-2023 17:45**
Client ID: Run ID: **HG04_443128** SeqNo: **7471021** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	3.32								

LCS Sample ID: **LCS-198388** Units: **ug/Kg** Analysis Date: **03-Aug-2023 17:49**
Client ID: Run ID: **HG04_443128** SeqNo: **7471022** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	339.3	3.32	333.3	0	102	80 - 120				

MS Sample ID: **HS23071909-25MS** Units: **ug/Kg** Analysis Date: **03-Aug-2023 17:58**
Client ID: Run ID: **HG04_443128** SeqNo: **7471024** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	344.5	3.36	337.1	1.27	102	80 - 120				

MSD Sample ID: **HS23071909-25MSD** Units: **ug/Kg** Analysis Date: **03-Aug-2023 18:00**
Client ID: Run ID: **HG04_443128** SeqNo: **7471025** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	368.8	3.38	338.9	1.27	108	80 - 120	344.5	6.8	20	

The following samples were analyzed in this batch:

HS23080063-01	HS23080063-02	HS23080063-03	HS23080063-04
HS23080063-05	HS23080063-06	HS23080063-07	HS23080063-08
HS23080063-09	HS23080063-10	HS23080063-11	HS23080063-12
HS23080063-13	HS23080063-14		

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198389 (0) **Instrument: HG04** **Method: MERCURY BY SW7471B**

MBLK Sample ID: **MBLK-198389** Units: **ug/Kg** Analysis Date: **03-Aug-2023 14:21**
Client ID: Run ID: **HG04_443128** SeqNo: **7470570** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	3.32								

LCS Sample ID: **LCS-198389** Units: **ug/Kg** Analysis Date: **03-Aug-2023 14:23**
Client ID: Run ID: **HG04_443128** SeqNo: **7470571** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	345.3	3.32	333.3	0	104	80 - 120				

MS Sample ID: **HS23080063-15MS** Units: **ug/Kg** Analysis Date: **03-Aug-2023 14:26**
Client ID: **SDAS008** Run ID: **HG04_443128** SeqNo: **7470573** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	387.5	3.33	333.4	43.95	103	80 - 120				

MSD Sample ID: **HS23080063-15MSD** Units: **ug/Kg** Analysis Date: **03-Aug-2023 15:12**
Client ID: **SDAS008** Run ID: **HG04_443128** SeqNo: **7470596** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	389.8	3.38	338.4	43.95	102	80 - 120	387.5	0.614	20	

The following samples were analyzed in this batch: HS23080063-15 HS23080063-16 HS23080063-17 HS23080063-18 HS23080063-19 HS23080063-20

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198485 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-198410** Units: **mg/L** Analysis Date: **04-Aug-2023 15:12**
Client ID: Run ID: **ICPMS06_443212** SeqNo: **7473252** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0500								
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-198409** Units: **mg/L** Analysis Date: **04-Aug-2023 15:10**
Client ID: Run ID: **ICPMS06_443212** SeqNo: **7473251** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.0500								
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00551	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-198485** Units: **mg/L** Analysis Date: **04-Aug-2023 15:08**
Client ID: Run ID: **ICPMS06_443212** SeqNo: **7473250** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.00500								
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198485 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-198485** Units: **mg/L** Analysis Date: **04-Aug-2023 15:14**
Client ID: Run ID: **ICPMS06_443212** SeqNo: **7473253** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.04889	0.00500	0.05	0	97.8	80 - 120				
Arsenic	0.05042	0.00500	0.05	0	101	80 - 120				
Barium	0.04827	0.0200	0.05	0	96.5	80 - 120				
Cadmium	0.05022	0.00500	0.05	0	100	80 - 120				
Chromium	0.05132	0.00500	0.05	0	103	80 - 120				
Lead	0.0474	0.00500	0.05	0	94.8	80 - 120				
Selenium	0.04903	0.00500	0.05	0	98.1	80 - 120				
Silver	0.04803	0.00500	0.05	0	96.1	80 - 120				

MS Sample ID: **HS23080063-01MS** Units: **mg/L** Analysis Date: **04-Aug-2023 15:20**
Client ID: **CL2LF001** Run ID: **ICPMS06_443212** SeqNo: **7473256** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.4975	0.0500	0.5	0.0021	99.1	80 - 120				
Arsenic	0.5242	0.0500	0.5	0.00094	105	80 - 120				
Barium	0.9591	0.200	0.5	0.4394	104	80 - 120				
Cadmium	0.5148	0.0500	0.5	0.00193	103	80 - 120				
Chromium	0.5176	0.0500	0.5	0.00646	102	80 - 120				
Lead	0.4996	0.0500	0.5	0.00018	99.9	80 - 120				
Selenium	0.5066	0.0500	0.5	0.00233	101	80 - 120				
Silver	0.4858	0.0500	0.5	0.0002	97.1	80 - 120				

MSD Sample ID: **HS23080063-01MSD** Units: **mg/L** Analysis Date: **04-Aug-2023 15:22**
Client ID: **CL2LF001** Run ID: **ICPMS06_443212** SeqNo: **7473257** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.4836	0.0500	0.5	0.0021	96.3	80 - 120	0.4975	2.84	20	
Arsenic	0.5075	0.0500	0.5	0.00094	101	80 - 120	0.5242	3.23	20	
Barium	0.8927	0.200	0.5	0.4394	90.7	80 - 120	0.9591	7.17	20	
Cadmium	0.482	0.0500	0.5	0.00193	96.0	80 - 120	0.5148	6.59	20	
Chromium	0.5098	0.0500	0.5	0.00646	101	80 - 120	0.5176	1.53	20	
Lead	0.4745	0.0500	0.5	0.00018	94.9	80 - 120	0.4996	5.16	20	
Selenium	0.4905	0.0500	0.5	0.00233	97.6	80 - 120	0.5066	3.24	20	
Silver	0.458	0.0500	0.5	0.0002	91.6	80 - 120	0.4858	5.9	20	

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198485 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080063-01PDS** Units: **mg/L** Analysis Date: **04-Aug-2023 15:25**
Client ID: **CL2LF001** Run ID: **ICPMS06_443212** SeqNo: **7473258** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.011	0.0500	1	0.0021	101	75 - 125				
Arsenic	1.099	0.0500	1	0.00094	110	75 - 125				
Barium	1.451	0.200	1	0.4394	101	75 - 125				
Cadmium	1.032	0.0500	1	0.00193	103	75 - 125				
Chromium	1.107	0.0500	1	0.00646	110	75 - 125				
Lead	1.024	0.0500	1	0.00018	102	75 - 125				
Selenium	1.071	0.0500	1	0.00233	107	75 - 125				
Silver	0.8284	0.0500	1	0.0002	82.8	75 - 125				

SD Sample ID: **HS23080063-01SD** Units: **mg/L** Analysis Date: **04-Aug-2023 15:18**
Client ID: **CL2LF001** Run ID: **ICPMS06_443212** SeqNo: **7473255** PrepDate: **03-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	0.250					0.0021	0	10	
Arsenic	U	0.250					0.00094	0	10	
Barium	0.4478	1.00					0.4394	0	10	J
Cadmium	U	0.250					0.00193	0	10	
Chromium	0.0267	0.250					0.00646	0	10	J
Lead	U	0.250					0.00018	0	10	
Selenium	U	0.250					0.00233	0	10	
Silver	U	0.250					0.0002	0	10	

The following samples were analyzed in this batch:

HS23080063-01	HS23080063-02	HS23080063-03	HS23080063-04
HS23080063-05	HS23080063-06	HS23080063-07	HS23080063-08
HS23080063-09	HS23080063-10	HS23080063-11	HS23080063-12
HS23080063-13	HS23080063-14	HS23080063-15	HS23080063-16
HS23080063-17	HS23080063-18	HS23080063-19	HS23080063-20

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198587 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198407** Units: **mg/L** Analysis Date: **04-Aug-2023 14:11**
Client ID: Run ID: **HG04_443253** SeqNo: **7473514** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000046	0.000200								J

MBLK Sample ID: **MBLKT3-198408** Units: **mg/L** Analysis Date: **04-Aug-2023 14:12**
Client ID: Run ID: **HG04_443253** SeqNo: **7473515** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000049	0.000200								J

MBLK Sample ID: **MBLKT1-198427** Units: **mg/L** Analysis Date: **04-Aug-2023 14:09**
Client ID: Run ID: **HG04_443253** SeqNo: **7473513** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000043	0.000200								J

MBLK Sample ID: **MBLK-198587** Units: **mg/L** Analysis Date: **04-Aug-2023 14:03**
Client ID: Run ID: **HG04_443253** SeqNo: **7473511** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000043	0.000200								J

LCS Sample ID: **LCS-198587** Units: **mg/L** Analysis Date: **04-Aug-2023 14:07**
Client ID: Run ID: **HG04_443253** SeqNo: **7473512** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00533	0.000200	0.005	0	107	80 - 120				

MS Sample ID: **HS23080063-01MS** Units: **mg/L** Analysis Date: **04-Aug-2023 14:24**
Client ID: **CL2LF001** Run ID: **HG04_443253** SeqNo: **7473519** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00585	0.000200	0.005	0.000052	116	75 - 125				

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198587 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MSD Sample ID: **HS23080063-01MSD** Units: **mg/L** Analysis Date: **04-Aug-2023 14:29**
Client ID: **CL2LF001** Run ID: **HG04_443253** SeqNo: **7473520** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00592	0.000200	0.005	0.000052	117	75 - 125	0.00585	1.19	20	

The following samples were analyzed in this batch:

HS23080063-01	HS23080063-02	HS23080063-03	HS23080063-04
HS23080063-05	HS23080063-06	HS23080063-07	HS23080063-08
HS23080063-09	HS23080063-10	HS23080063-11	HS23080063-12
HS23080063-13	HS23080063-14	HS23080063-15	HS23080063-16
HS23080063-17			

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: 198589 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198269** Units: **mg/L** Analysis Date: **04-Aug-2023 15:35**
Client ID: Run ID: **HG04_443253** SeqNo: **7473547** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000039	0.000200								J

MBLK Sample ID: **MBLKT1-198407** Units: **mg/L** Analysis Date: **04-Aug-2023 15:28**
Client ID: Run ID: **HG04_443253** SeqNo: **7473544** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000038	0.000200								J

MBLK Sample ID: **MBLK-198589** Units: **mg/L** Analysis Date: **04-Aug-2023 15:20**
Client ID: Run ID: **HG04_443253** SeqNo: **7473542** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-198589** Units: **mg/L** Analysis Date: **04-Aug-2023 15:27**
Client ID: Run ID: **HG04_443253** SeqNo: **7473543** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00479	0.000200	0.005	0	95.8	80 - 120				

MS Sample ID: **HS23080063-18MS** Units: **mg/L** Analysis Date: **04-Aug-2023 15:51**
Client ID: **SDAS002** Run ID: **HG04_443253** SeqNo: **7473555** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00577	0.000200	0.005	0.000041	115	75 - 125				

MSD Sample ID: **HS23080063-18MSD** Units: **mg/L** Analysis Date: **04-Aug-2023 15:55**
Client ID: **SDAS002** Run ID: **HG04_443253** SeqNo: **7473556** PrepDate: **04-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00594	0.000200	0.005	0.000041	118	75 - 125	0.00577	2.9	20	

The following samples were analyzed in this batch: HS23080063-18 HS23080063-19 HS23080063-20

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: HS23080063

QC BATCH REPORT

Batch ID: **R443190 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080063-16DUP** Units: **wt%** Analysis Date: **03-Aug-2023 15:05**
Client ID: **SDAS009** Run ID: **Balance1_443190** SeqNo: **7472207** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	3.37	0.0100					3.62	7.15	20	

The following samples were analyzed in this batch:

HS23080063-01	HS23080063-02	HS23080063-03	HS23080063-04
HS23080063-05	HS23080063-06	HS23080063-07	HS23080063-08
HS23080063-09	HS23080063-10	HS23080063-11	HS23080063-12
HS23080063-13	HS23080063-14	HS23080063-15	HS23080063-16
HS23080063-17	HS23080063-18	HS23080063-19	HS23080063-20

Revision: 1

Client: WSP USA Inc.
Project: Frisco GL20409062
WorkOrder: **HS23080063**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23080063 **Date/Time Received:** **01-Aug-2023 15:03**

Client Name: GolderFtWorth **Received by:** **Paresh M. Giga**

Completed By:	/S/ Paresh M. Giga	01-Aug-2023 16:13	**Reviewed by:**	/S/ Anna Kinchen	07-Aug-2023 09:32
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Sediment** Carrier name: **Client**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:264606/264604
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	5.7C/5.6C U/C	IR31	
Cooler(s)/Kit(s):	47600		
Date/Time sample(s) sent to storage:	8/1/23 16:30		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: 3 Day TAT per AK

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 264606

HS23080063

WSP USA Inc.
Frisco GL20409062

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	~~4139351A14~~	Project Name	~~139351A14 Boeing San Antonio TX~~	A	~~8260_S (*5035*/8260 VOC TCL 4.3)~~ KCRA 8
Work Order		Project Number	~~4139351A14~~ GL20409062	B	~~TX1005_S_REV3 (*5035*/TX1005 - TPH)~~ RCRA 8 TCLP
Company Name	WSP USA Inc.	Bill To Company	WSP USA Inc.	C	~~TX1006_S (TX1006 TPH Fractionated (Contingent))~~ % Moist
Send Report To	~~Gerardo Ruiz de la Pena~~ William Wiza	Invoice Attn	Gerardo Ruiz de la Pena	D	~~8270_S (8270 SVOC TCL 4.3)~~
Address	14114 N Dallas Pkwy, Suite 315	Address	14114 N Dallas Pkwy, Suite 315	E	~~RCRA 8 Metals Plus Sb, Be & Ni~~
				F	~~MOIST_ASTM~~
City/State/Zip	Dallas, TX 75254	City/State/Zip	Dallas TX 75254	G	~~Use for composite in lab~~
Phone	(817) 759-9914	Phone	(817) 759-9914	H	
Fax	William.Wiza@WSP.com	Fax		I	
e-Mail Address	~~Gerardo_Ruiz@golder.com~~	e-Mail Address	~~Gerardo_Ruiz@golder.com~~	J	~~TBLK_8260_LL_W(8260 VOC TCL 4.3)~~

No.		Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~Trip Blank~~	CL2LF001	7/31/23	745	~~SS~~ Water	~~NP~~ 8	2	X	X	X								
2		CW002		814														
3		CW003		815														
4		CW004		827														
5		CW005		825														
6		CW006		838														
7		CW007		840														
8		CW008		900														
9		SDAW001		910														
10		SDA 003		925														

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
Madeline Mertes		~~STD 10 Wk Days~~ ☐ 5 Wk Days ☐ 2 Wk Days ☒ ~~Other 72 hr~~ ☒ 24 Hour	~~8-9-23~~ 8-2-23

Relinquished by:	Date:	Time:	Received by:	Notes:
	8/1/23	7503		~~San Antonio Boeing 2022~~ Frisco
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			8/1/23 15:03	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
47600	3.7°C
	4.3°C

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of ____

COC ID: 264604

HS23080063

WSP USA Inc.
Frisco GL20409062

ALS Project Manager:

Customer Information		Project Information			
Purchase Order	~~1139351A14~~	Project Name	~~1139351A14 Boeing San Antonio TX~~	A	~~8260_S (*5035*8260 VOC TCL 4.3)~~ TCLP
Work Order		Project Number	~~1139351A14~~ GL20409062	B	~~TX1005_S_REV3 (*5035*TX1005 - TPH)~~ RCRA 8
Company Name	WSP USA Inc.	Bill To Company	WSP USA Inc.	C	~~TX1006_S (TX1006 TPH Fractionated (Contingent))~~ % Moist
Send Report To	~~Gerardo Ruiz de la Pena~~ William Wedge	Invoice Attn	~~Gerardo Ruiz de la Pena~~	D	~~8270_S (8270 SVOC TCL 4.3)~~
Address	14114 N Dallas Pkwy, Suite 315	Address	14114 N Dallas Pkwy, Suite 315	E	~~RCRA 8 Metals Plus Sb, Be & Ni~~
				F	~~MOIST_ASTM~~
City/State/Zip	Dallas, TX 75254	City/State/Zip	Dallas TX 75254	G	~~Use for composite in lab~~
Phone	(817) 759-9914	Phone	(817) 759-9914	H	
Fax	William.Wedge@WSP.com	Fax		I	
e-Mail Address	~~Gerardo_Ruiz@golder.com~~	e-Mail Address	~~Gerardo_Ruiz@golder.com~~	J	~~TBLK_8260_LL_W (8260 VOC TCL 4.3)~~

No.		Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	Trip Blank	SDA5004	7/31/23	927	~~SS~~ Water	~~4°~~ 8	2	X	X	X							W	
2		SDA5005		0944														
3		SDA5006		0945														
4		SDA5007		1000														
5		SDA5008		1004														
6		SDA5009		1010			1											
7		SDA5002		1031			1											
8		SDA5002		1100			1											
9		CW002		1645			1x											
10		CW009		1637			1x											

Sampler(s) Please Print & Sign: Madeline Mertes	Shipment Method	Required Turnaround Time: (Check Box) ~~X~~ ~~Other 72 hr~~ ~~X~~ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ~~X~~ 24 Hour	Results Due Date: 8/4/2023

Relinquished by:	Date: 8/1/23	Time: 1503	Received by:	Notes: ~~San Antonio Boeing 2022~~ Frisco 2	
Relinquished by:	Date:	Time:	Received by (Laboratory): 8/1/23	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Data Usability Summary

To:	Tim Jennings	Date:	September 14, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23080800.docx
RE:	Review of Frisco Soil Data	CC:	Brenda Basile

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected August 10, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry
- SW-846 7471B – Mercury in Solid or Semisolid Wastes (Manual Cold-Vapor Technique)

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No project data were qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

No analytes were detected in laboratory method blanks. Analytes detected in continuing calibration blanks are listed in Table 2. No data are qualified.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. No project samples were spiked..

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. No project samples were spiked or analyzed..

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected August 10, 2023, from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CW001-01	HS23080800-01	X	
CW002-01	HS23080800-02	X	
CW003-01	HS23080800-03	X	
CW004-01	HS23080800-12	X	
CW005-01	HS23080800-13	X	
CW006-01	HS23080800-14	X	

Table 2 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
ICPMS05_443974 CCB22	Antimony	1.102 µg/L	0.220	No data are qualified

mg/kg – Milligram per kilogram

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 18, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23080800**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 30 sample(s) on Aug 12, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23080800**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23080800**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023					
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080800					
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206					
#[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 SW-846 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 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					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080800				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206				
#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080800
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206

ER#[5]	Description
1	Batch 198896, Metals by method SW6020, Sample HS23080722-01, MS and MSD were performed on an unrelated sample.
2	See Run Log and CCB Exception Reports

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800
Start Date: 15-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	15-Aug-2023 11:05	022_ICV.d	AS CD PB SB SE
LLICV2	1	15-Aug-2023 11:09	024LCV2.d	AS CD PB SB SE
LLICV5	1	15-Aug-2023 11:11	025LCV5.d	AS CD PB SB SE
ICB	1	15-Aug-2023 11:17	027_ICB.d	AS CD PB SB SE
ICSA	1	15-Aug-2023 11:19	028ICSA.d	AS CD PB SB SE
ICSAB	1	15-Aug-2023 11:21	029ICSB.d	AS CD PB SB SE
CCV 1	1	15-Aug-2023 11:27	031_CCV.d	AS CD PB SB SE
CCB 1	1	15-Aug-2023 11:29	032_CCB.d	AS CD PB SB SE
CCV 2	1	15-Aug-2023 11:56	043_CCV.d	AS CD PB SB SE
CCB 2	1	15-Aug-2023 11:58	044_CCB.d	AS CD PB SB SE
CCV 3	1	15-Aug-2023 12:22	055_CCV.d	AS CD PB SB SE
CCB 3	1	15-Aug-2023 12:24	056_CCB.d	AS CD PB SB SE
CCV 4	1	15-Aug-2023 12:47	067_CCV.d	AS CD PB SB SE
CCB 4	1	15-Aug-2023 12:49	068_CCB.d	AS CD PB SB SE
CCV 5	1	15-Aug-2023 13:11	079_CCV.d	AS CD PB SB SE
CCB 5	1	15-Aug-2023 13:13	080_CCB.d	AS CD PB SB SE
CCV 6	1	15-Aug-2023 13:36	091_CCV.d	AS CD PB SB SE
CCB 6	1	15-Aug-2023 13:38	092_CCB.d	AS CD PB SB SE
CCV 7	1	15-Aug-2023 14:02	103_CCV.d	AS CD PB SB SE
CCB 7	1	15-Aug-2023 14:04	104_CCB.d	AS CD PB SB SE
CCV 8	1	15-Aug-2023 14:33	115_CCV.d	AS CD PB SB SE
CCB 8	1	15-Aug-2023 14:35	116_CCB.d	AS CD PB SB SE
CCV 9	1	15-Aug-2023 15:07	127_CCV.d	AS CD PB SB SE
CCB 9	1	15-Aug-2023 15:09	128_CCB.d	AS CD PB SB SE
CCV 10	1	15-Aug-2023 15:32	139_CCV.d	AS CD PB SB SE
CCB 10	1	15-Aug-2023 15:34	140_CCB.d	AS CD PB SB SE
CCV 11	1	15-Aug-2023 15:56	151_CCV.d	AS CD PB SB SE
CCB 11	1	15-Aug-2023 15:58	152_CCB.d	AS CD PB SB SE
CCV 12	1	15-Aug-2023 16:25	163_CCV.d	AS CD PB SB SE
CCB 12	1	15-Aug-2023 16:27	164_CCB.d	AS CD PB SB SE
CCV 13	1	15-Aug-2023 16:49	175_CCV.d	AS CD PB SB SE
CCB 13	1	15-Aug-2023 16:51	176_CCB.d	AS CD PB SB SE
CCV 14	1	15-Aug-2023 17:06	183_CCV.d	AS CD PB SB SE
CCB 14	1	15-Aug-2023 17:08	184_CCB.d	AS CD PB SB SE
ICCV 15	1	15-Aug-2023 19:53	208_ICV.d	AS CD PB SB SE
LLICCV2	1	15-Aug-2023 19:57	210LCV2.d	AS CD PB SB SE
LLICCV5	1	15-Aug-2023 19:59	211LCV5.d	AS CD PB SB SE
ICCB 15	1	15-Aug-2023 20:01	212_ICB.d	AS CD PB SB SE
CCV 16	1	15-Aug-2023 20:05	214_CCV.d	AS CD PB SB SE
CCB 16	1	15-Aug-2023 20:07	215_CCB.d	AS CD PB SB SE
CCV 17	1	15-Aug-2023 20:27	225_CCV.d	AS CD PB SB SE
CCB 17	1	15-Aug-2023 20:29	226_CCB.d	AS CD PB SB SE
CCV 18	1	15-Aug-2023 20:33	228_CCV.d	AS CD PB SB SE
CCV 19	1	15-Aug-2023 20:42	232_CCV.d	AS CD PB SB SE
CCB 18	1	15-Aug-2023 20:44	233_CCB.d	AS CD PB SB SE
CCV 20	1	15-Aug-2023 21:06	244_CCV.d	AS CD PB SB SE
CCB 19	1	15-Aug-2023 21:08	245_CCB.d	AS CD PB SB SE
CCV 21	1	15-Aug-2023 21:30	256_CCV.d	AS CD PB SB SE
CCB 20	1	15-Aug-2023 21:32	257_CCB.d	AS CD PB SB SE
MBLK-198896	1	15-Aug-2023 21:34	258SMPL.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800
Start Date: 15-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
LCS-198896	1	15-Aug-2023 21:36	259SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	15-Aug-2023 21:40	261SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	15-Aug-2023 21:42	262SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	15-Aug-2023 21:44	263SMPL.d	AS CD PB SB SE
ZZZZZZPDS	1	15-Aug-2023 21:46	264SMPL.d	AS CD PB SB SE
CCV 22	1	15-Aug-2023 21:48	265_CCV.d	AS CD PB SB SE
CCB 21	1	15-Aug-2023 21:50	266_CCB.d	AS CD PB SB SE
CCV 23	1	15-Aug-2023 22:12	277_CCV.d	AS CD PB SB SE
CCB 22	1	15-Aug-2023 22:14	278_CCB.d	AS CD PB SB SE
CW001-01	1	15-Aug-2023 22:22	282SMPL.d	AS CD PB SB SE
CW002-01	1	15-Aug-2023 22:24	283SMPL.d	AS CD SB SE
CW003-01	1	15-Aug-2023 22:26	284SMPL.d	AS CD PB SB SE
CW004-01	1	15-Aug-2023 22:28	285SMPL.d	AS CD SB SE
CW005-01	1	15-Aug-2023 22:30	286SMPL.d	AS CD PB SB SE
CW006-01	1	15-Aug-2023 22:32	287SMPL.d	AS CD PB SB SE
CCV 24	1	15-Aug-2023 22:36	289_CCV.d	AS CD PB SB SE
CCB 23	1	15-Aug-2023 22:38	290_CCB.d	AS CD PB SB SE
CCV 25	1	15-Aug-2023 22:49	293_CCV.d	AS CD PB SB SE
CCB 24	1	15-Aug-2023 22:51	294_CCB.d	AS CD PB SB SE
LLICV2	1	15-Aug-2023 22:55	296LCV2.d	AS CD PB SB SE
LLICV5	1	15-Aug-2023 22:57	297LCV5.d	AS CD PB SB SE
ICSA	1	15-Aug-2023 22:59	298ICSA.d	AS CD PB SB SE
ICSAB	1	15-Aug-2023 23:01	299ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

ICB	Date: 15-Aug-2023 11:17	Seq: 7490628		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.542	0.4	2	
CCB 10	Date: 15-Aug-2023 15:34	Seq: 7491778		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.484	0.4	2	
	Arsenic	-0.402	0.4	2	
	Lead	1.017	0.6	2	
CCB 13	Date: 15-Aug-2023 16:51	Seq: 7491861		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.821	0.4	2	
CCB 14	Date: 15-Aug-2023 17:08	Seq: 7491869		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.288	0.4	2	
	Arsenic	0.74	0.4	2	
ICCB 15	Date: 15-Aug-2023 20:01	Seq: 7492165		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.419	0.4	2	
CCB 16	Date: 15-Aug-2023 20:07	Seq: 7492168		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.093	0.4	2	
CCB 17	Date: 15-Aug-2023 20:29	Seq: 7492179		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.337	0.4	2	
CCB 18	Date: 15-Aug-2023 20:44	Seq: 7492216		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.34	0.4	2	
CCB 19	Date: 15-Aug-2023 21:08	Seq: 7492228		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.129	0.4	2	
CCB 20	Date: 15-Aug-2023 21:32	Seq: 7492368		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.239	0.4	2	
	Arsenic	0.447	0.4	2	
CCB 21	Date: 15-Aug-2023 21:50	Seq: 7492377		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.214	0.4	2	
	Arsenic	0.623	0.4	2	
	Selenium	1.194	1.1	2	
CCB 22	Date: 15-Aug-2023 22:14	Seq: 7492352		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.102	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Arsenic	0.953	0.4	2	
Selenium	1.154	1.1	2	

CCB 23 Date: 15-Aug-2023 22:38 Seq: 7492364 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	1.091	0.4	2

CCB 24 Date: 15-Aug-2023 22:51 Seq: 7493024 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	1.093	0.4	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080800

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080800-01	CW001-01	Soil		10-Aug-2023 12:17	12-Aug-2023 09:15	☐
HS23080800-02	CW002-01	Soil		10-Aug-2023 13:25	12-Aug-2023 09:15	☐
HS23080800-03	CW003-01	Soil		10-Aug-2023 15:35	12-Aug-2023 09:15	☐
HS23080800-04	SP-39	Soil		10-Aug-2023 15:39	12-Aug-2023 09:15	☐
HS23080800-05	SP-40	Soil		10-Aug-2023 15:45	12-Aug-2023 09:15	☐
HS23080800-06	SP-41	Soil		10-Aug-2023 15:49	12-Aug-2023 09:15	☐
HS23080800-07	SP-42	Soil		10-Aug-2023 15:53	12-Aug-2023 09:15	☐
HS23080800-08	SP-43	Soil		10-Aug-2023 15:59	12-Aug-2023 09:15	☐
HS23080800-09	SP-44	Soil		10-Aug-2023 16:02	12-Aug-2023 09:15	☐
HS23080800-10	SP-45	Soil		10-Aug-2023 16:07	12-Aug-2023 09:15	☐
HS23080800-11	SP-46	Soil		10-Aug-2023 16:23	12-Aug-2023 09:15	☐
HS23080800-12	CW004-01	Soil		11-Aug-2023 08:15	12-Aug-2023 09:15	☐
HS23080800-13	CW005-01	Soil		11-Aug-2023 12:37	12-Aug-2023 09:15	☐
HS23080800-14	CW006-01	Soil		11-Aug-2023 15:12	12-Aug-2023 09:15	☐
HS23080800-15	SP-47	Soil		11-Aug-2023 16:00	12-Aug-2023 09:15	☐
HS23080800-16	SP-48	Soil		11-Aug-2023 16:04	12-Aug-2023 09:15	☐
HS23080800-17	SP-49	Soil		11-Aug-2023 16:07	12-Aug-2023 09:15	☐
HS23080800-18	SP-50	Soil		11-Aug-2023 16:11	12-Aug-2023 09:15	☐
HS23080800-19	SP-51	Soil		11-Aug-2023 16:15	12-Aug-2023 09:15	☐
HS23080800-20	SP-52	Soil		11-Aug-2023 16:18	12-Aug-2023 09:15	☐
HS23080800-21	SP-53	Soil		11-Aug-2023 16:25	12-Aug-2023 09:15	☐
HS23080800-22	SP-54	Soil		11-Aug-2023 16:27	12-Aug-2023 09:15	☐
HS23080800-23	SP-55	Soil		11-Aug-2023 16:45	12-Aug-2023 09:15	☐
HS23080800-24	SP-56	Soil		11-Aug-2023 16:48	12-Aug-2023 09:15	☐
HS23080800-25	SP-57	Soil		11-Aug-2023 16:51	12-Aug-2023 09:15	☐
HS23080800-26	SP-58	Soil		11-Aug-2023 16:53	12-Aug-2023 09:15	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080800

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080800-27	SP-59	Soil		11-Aug-2023 16:57	12-Aug-2023 09:15	☐
HS23080800-28	SP-60	Soil		11-Aug-2023 17:00	12-Aug-2023 09:15	☐
HS23080800-29	SP-61	Soil		11-Aug-2023 17:05	12-Aug-2023 09:15	☐
HS23080800-30	SP-62	Soil		11-Aug-2023 17:09	12-Aug-2023 09:15	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW001-01
Collection Date: 10-Aug-2023 12:17

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.418**	J	**0.0770**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Arsenic	**14.0**		**0.0829**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Cadmium	**1.92**		**0.0320**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Lead	**35.3**		**0.0154**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Selenium	**1.69**		**0.108**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**21.1**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW002-01
Collection Date: 10-Aug-2023 13:25

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**			Prep:SW3050B / 15-Aug-2023			Analyst: MSC
Antimony	**0.740**		**0.0759**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Arsenic	**11.0**		**0.0818**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Cadmium	**1.54**		**0.0315**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Lead	**224**		**0.304**	**11.7**	**mg/Kg-dry**	20	16-Aug-2023 13:05
Selenium	**1.78**		**0.106**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**18.7**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW003-01
Collection Date: 10-Aug-2023 15:35

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.415**	J	**0.0770**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Arsenic	**13.8**		**0.0829**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Cadmium	**1.37**		**0.0320**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Lead	**50.9**		**0.0154**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Selenium	**1.85**		**0.108**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**17.6**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-39
Collection Date: 10-Aug-2023 15:39

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:48
Barium	**0.664**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:48
Cadmium	**0.00429**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:48
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:48
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 14:48
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:48
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:48
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-40
Collection Date: 10-Aug-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:50
Barium	**1.21**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:50
Cadmium	**0.0549**		**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:50
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:50
Lead	**14.9**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 14:50
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:50
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:50
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-41
Collection Date: 10-Aug-2023 15:49

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:52
Barium	**0.636**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:52
Cadmium	**0.00248**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:52
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:52
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 14:52
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:52
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-42
Collection Date: 10-Aug-2023 15:53

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:54
Barium	**0.613**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:54
Cadmium	**0.00379**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:54
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:54
Lead	**0.00666**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 14:54
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:54
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:54
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-43
Collection Date: 10-Aug-2023 15:59

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:04
Barium	**0.607**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:04
Cadmium	**0.00471**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:04
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:04
Lead	**0.0114**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:04
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:04
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:04
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-44
Collection Date: 10-Aug-2023 16:02

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:06
Barium	**0.646**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:06
Cadmium	**0.00312**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:06
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:06
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 15:06
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:06
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:06
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-45
Collection Date: 10-Aug-2023 16:07

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:08
Barium	**1.16**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:08
Cadmium	**0.0345**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:08
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:08
Lead	**3.99**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:08
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:08
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:08
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-46
Collection Date: 10-Aug-2023 16:23

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:10
Barium	**0.549**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:10
Cadmium	**0.00563**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:10
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:10
Lead	**0.0579**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:10
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:10
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:10
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW004-01
Collection Date: 11-Aug-2023 08:15

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**			Prep:SW3050B / 15-Aug-2023			Analyst: MSC
Antimony	**0.836**		**0.0752**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Arsenic	**13.3**		**0.0809**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Cadmium	**1.99**		**0.0312**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Lead	**291**		**0.301**	**11.6**	**mg/Kg-dry**	20	16-Aug-2023 13:07
Selenium	**1.92**		**0.105**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.8**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW005-01
Collection Date: 11-Aug-2023 12:37

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.556**	J	**0.0764**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Arsenic	**13.0**		**0.0822**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Cadmium	**22.5**		**0.0317**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Lead	**76.6**		**0.0153**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Selenium	**1.92**		**0.107**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.2**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW006-01
Collection Date: 11-Aug-2023 15:12

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.677**		**0.0759**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Arsenic	**10.0**		**0.0818**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Cadmium	**0.656**		**0.0315**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Lead	**54.6**		**0.0152**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Selenium	**1.43**		**0.106**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**17.9**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-47
Collection Date: 11-Aug-2023 16:00

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-15
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:12
Barium	**1.38**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:12
Cadmium	**0.0464**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:12
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:12
Lead	**3.43**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:12
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:12
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:12
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-48
Collection Date: 11-Aug-2023 16:04

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-16
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:13
Barium	**1.37**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:13
Cadmium	**0.0362**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:13
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:13
Lead	**8.11**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:13
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:13
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:13
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-49
Collection Date: 11-Aug-2023 16:07

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-17
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:15
Barium	**1.32**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:15
Cadmium	**0.0357**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Chromium	**0.0558**		**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Lead	**6.32**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:15
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:15
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-50
Collection Date: 11-Aug-2023 16:11

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-18
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:17
Barium	**0.593**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:17
Cadmium	**0.00423**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:17
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:17
Lead	**0.0888**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:17
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:17
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:17
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-51
Collection Date: 11-Aug-2023 16:15

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-19
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:19
Barium	**0.629**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:19
Cadmium	**0.00211**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:19
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:19
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 15:19
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:19
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:19
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-52
Collection Date: 11-Aug-2023 16:18

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-20
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:32
Barium	**1.34**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:32
Cadmium	**0.0368**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:32
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:32
Lead	**2.32**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:32
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:32
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:32
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-53
Collection Date: 11-Aug-2023 16:25

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-21
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:34
Barium	**0.603**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:34
Cadmium	**0.00411**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:34
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:34
Lead	**0.232**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:34
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:34
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:34
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-54
Collection Date: 11-Aug-2023 16:27

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-22
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	**0.00428**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Barium	**1.44**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:36
Cadmium	**0.0508**		**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:36
Lead	**0.0737**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:36
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:36
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-55
Collection Date: 11-Aug-2023 16:45

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-23
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:47
Barium	**0.577**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:47
Cadmium	**0.00274**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:47
Chromium	**0.00641**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 20:47
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:47
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:47
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:47
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-56
Collection Date: 11-Aug-2023 16:48

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-24
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:49
Barium	**0.625**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:49
Cadmium	**0.00540**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:49
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:49
Lead	**0.0182**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:49
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:49
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:49
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-57
Collection Date: 11-Aug-2023 16:51

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-25
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:51
Barium	**0.562**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:51
Cadmium	**0.00240**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:51
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:51
Lead	**0.00685**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:51
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:51
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:51
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-58
Collection Date: 11-Aug-2023 16:53

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-26
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:52
Barium	**0.385**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:52
Cadmium	**0.00344**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:52
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:52
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:52
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:52
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-59
Collection Date: 11-Aug-2023 16:57

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-27
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:54
Barium	**0.598**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:54
Cadmium	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:54
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:54
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:54
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:54
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:54
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-60
Collection Date: 11-Aug-2023 17:00

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-28
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:56
Barium	**0.952**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:56
Cadmium	**0.0109**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Chromium	**0.0188**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Lead	**0.0526**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:56
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:56
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-61
Collection Date: 11-Aug-2023 17:05

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-29
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:58
Barium	**0.534**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:58
Cadmium	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:58
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:58
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:58
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:58
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:58
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-62
Collection Date: 11-Aug-2023 17:09

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-30
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:59
Barium	**0.480**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:59
Cadmium	**0.00572**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:59
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:59
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:59
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:59
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:59
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 198896 **Start Date:** 15 Aug 2023 08:30 **End Date:** 15 Aug 2023 08:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-01		0.5348 (g)	50 (mL)	93.49	4-oz glass, Neat
HS23080800-02		0.5266 (g)	50 (mL)	94.95	4-oz glass, Neat
HS23080800-03		0.5125 (g)	50 (mL)	97.56	4-oz glass, Neat
HS23080800-12		0.5136 (g)	50 (mL)	97.35	4-oz glass, Neat
HS23080800-13		0.5267 (g)	50 (mL)	94.93	4-oz glass, Neat
HS23080800-14		0.5214 (g)	50 (mL)	95.9	4-oz glass, Neat

Batch ID: 198999 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-22		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199000 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-22		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199001 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199002 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199031 **Start Date:** 15 Aug 2023 14:30 **End Date:** 15 Aug 2023 14:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-15		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-16		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-17		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-18		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-19		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-20		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-21		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-22		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 199068 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-27		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-30		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199069 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-27		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-30		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199070 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-28		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199071 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-28		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199094 **Start Date:** 16 Aug 2023 13:00 **End Date:** 16 Aug 2023 13:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-24		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-25		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-26		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-27		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-28		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-29		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-30		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199142 **Start Date:** 17 Aug 2023 09:00 **End Date:** 17 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-15		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-16		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-17		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-18		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-19		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-20		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-21		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 199148 **Start Date:** 17 Aug 2023 09:00 **End Date:** 17 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-22		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-23		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-24		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-25		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-26		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-27		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-28		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-29		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-30		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198896 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23080800-01	CW001-01	10 Aug 2023 12:17		15 Aug 2023 08:30	15 Aug 2023 22:22	1
HS23080800-02	CW002-01	10 Aug 2023 13:25		15 Aug 2023 08:30	16 Aug 2023 13:05	20
HS23080800-02	CW002-01	10 Aug 2023 13:25		15 Aug 2023 08:30	15 Aug 2023 22:24	1
HS23080800-03	CW003-01	10 Aug 2023 15:35		15 Aug 2023 08:30	15 Aug 2023 22:26	1
HS23080800-12	CW004-01	11 Aug 2023 08:15		15 Aug 2023 08:30	16 Aug 2023 13:07	20
HS23080800-12	CW004-01	11 Aug 2023 08:15		15 Aug 2023 08:30	15 Aug 2023 22:28	1
HS23080800-13	CW005-01	11 Aug 2023 12:37		15 Aug 2023 08:30	15 Aug 2023 22:30	1
HS23080800-14	CW006-01	11 Aug 2023 15:12		15 Aug 2023 08:30	15 Aug 2023 22:32	1
Batch ID: 199031 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080800-04	SP-39	10 Aug 2023 15:39	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:48	1
HS23080800-05	SP-40	10 Aug 2023 15:45	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:50	1
HS23080800-06	SP-41	10 Aug 2023 15:49	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:52	1
HS23080800-07	SP-42	10 Aug 2023 15:53	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:54	1
HS23080800-08	SP-43	10 Aug 2023 15:59	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:04	1
HS23080800-09	SP-44	10 Aug 2023 16:02	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:06	1
HS23080800-10	SP-45	10 Aug 2023 16:07	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:08	1
HS23080800-11	SP-46	10 Aug 2023 16:23	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:10	1
HS23080800-15	SP-47	11 Aug 2023 16:00	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:12	1
HS23080800-16	SP-48	11 Aug 2023 16:04	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:13	1
HS23080800-17	SP-49	11 Aug 2023 16:07	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:15	1
HS23080800-18	SP-50	11 Aug 2023 16:11	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:17	1
HS23080800-19	SP-51	11 Aug 2023 16:15	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:19	1
HS23080800-20	SP-52	11 Aug 2023 16:18	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:32	1
HS23080800-21	SP-53	11 Aug 2023 16:25	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:34	1
HS23080800-22	SP-54	11 Aug 2023 16:27	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:36	1
Batch ID: 199094 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080800-23	SP-55	11 Aug 2023 16:45	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:47	1
HS23080800-24	SP-56	11 Aug 2023 16:48	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:49	1
HS23080800-25	SP-57	11 Aug 2023 16:51	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:51	1
HS23080800-26	SP-58	11 Aug 2023 16:53	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:52	1
HS23080800-27	SP-59	11 Aug 2023 16:57	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:54	1
HS23080800-28	SP-60	11 Aug 2023 17:00	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:56	1
HS23080800-29	SP-61	11 Aug 2023 17:05	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:58	1
HS23080800-30	SP-62	11 Aug 2023 17:09	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:59	1

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199142 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080800-04	SP-39	10 Aug 2023 15:39	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:37	1
HS23080800-05	SP-40	10 Aug 2023 15:45	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:39	1
HS23080800-06	SP-41	10 Aug 2023 15:49	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:41	1
HS23080800-07	SP-42	10 Aug 2023 15:53	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:43	1
HS23080800-08	SP-43	10 Aug 2023 15:59	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:48	1
HS23080800-09	SP-44	10 Aug 2023 16:02	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:49	1
HS23080800-10	SP-45	10 Aug 2023 16:07	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:51	1
HS23080800-11	SP-46	10 Aug 2023 16:23	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:00	1
HS23080800-15	SP-47	11 Aug 2023 16:00	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:02	1
HS23080800-16	SP-48	11 Aug 2023 16:04	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:03	1
HS23080800-17	SP-49	11 Aug 2023 16:07	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:05	1
HS23080800-18	SP-50	11 Aug 2023 16:11	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:07	1
HS23080800-19	SP-51	11 Aug 2023 16:15	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:08	1
HS23080800-20	SP-52	11 Aug 2023 16:18	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:10	1
HS23080800-21	SP-53	11 Aug 2023 16:25	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:12	1
Batch ID: 199148 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080800-22	SP-54	11 Aug 2023 16:27	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:36	1
HS23080800-23	SP-55	11 Aug 2023 16:45	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:47	1
HS23080800-24	SP-56	11 Aug 2023 16:48	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:49	1
HS23080800-25	SP-57	11 Aug 2023 16:51	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:50	1
HS23080800-26	SP-58	11 Aug 2023 16:53	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:52	1
HS23080800-27	SP-59	11 Aug 2023 16:57	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:54	1
HS23080800-28	SP-60	11 Aug 2023 17:00	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:56	1
HS23080800-29	SP-61	11 Aug 2023 17:05	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:57	1
HS23080800-30	SP-62	11 Aug 2023 17:09	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:59	1
Batch ID: R444205 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23080800-01	CW001-01	10 Aug 2023 12:17			16 Aug 2023 14:01	1
HS23080800-02	CW002-01	10 Aug 2023 13:25			16 Aug 2023 14:01	1
HS23080800-03	CW003-01	10 Aug 2023 15:35			16 Aug 2023 14:01	1
HS23080800-12	CW004-01	11 Aug 2023 08:15			16 Aug 2023 14:01	1
Batch ID: R444206 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23080800-13	CW005-01	11 Aug 2023 12:37			16 Aug 2023 15:05	1
HS23080800-14	CW006-01	11 Aug 2023 15:12			16 Aug 2023 15:05	1

WorkOrder: HS23080800
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23080800
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23080800
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000993	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.000980	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.126	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.000969	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00101	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00165	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000979	0.000200	0.00500

WorkOrder: HS23080800
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.112	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500

WorkOrder: HS23080800
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 198896 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198896** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:34**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492369** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	U	0.498								
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								

LCS Sample ID: **LCS-198896** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:36**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492370** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.653	0.498	9.966	0	96.9	80 - 120				
Arsenic	9.859	0.498	9.966	0	98.9	80 - 120				
Cadmium	9.773	0.498	9.966	0	98.1	80 - 120				
Lead	9.971	0.498	9.966	0	100	80 - 120				
Selenium	9.845	0.498	9.966	0	98.8	80 - 120				

MS Sample ID: **HS23080722-01MS** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:42**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492373** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.903	0.473	9.47	0.1595	29.0	75 - 125				S
Arsenic	10.41	0.473	9.47	1.937	89.4	75 - 125				
Cadmium	9.284	0.473	9.47	0.1877	96.1	75 - 125				
Lead	18.38	0.473	9.47	7.201	118	75 - 125				
Selenium	8.982	0.473	9.47	0.7834	86.6	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 198896 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23080722-01MSD** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:44**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492374** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.927	0.476	9.529	0.1595	29.0	75 - 125	2.903	0.842	20	S
Arsenic	9.634	0.476	9.529	1.937	80.8	75 - 125	10.41	7.71	20	
Cadmium	9.391	0.476	9.529	0.1877	96.6	75 - 125	9.284	1.14	20	
Lead	17.51	0.476	9.529	7.201	108	75 - 125	18.38	4.84	20	
Selenium	8.69	0.476	9.529	0.7834	83.0	75 - 125	8.982	3.31	20	

PDS Sample ID: **HS23080722-01PDS** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:46**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492375** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.833	0.498	9.962	0.1595	97.1	75 - 125				
Arsenic	11.59	0.498	9.962	1.937	96.9	75 - 125				
Cadmium	10	0.498	9.962	0.1877	98.5	75 - 125				
Lead	17.33	0.498	9.962	7.201	102	75 - 125				
Selenium	10.19	0.498	9.962	0.7834	94.4	75 - 125				

SD Sample ID: **HS23080722-01SD** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:40**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492372** PrepDate: **15-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	2.49					0.1595	0	10	
Arsenic	2.242	2.49					1.937	0	10	J
Cadmium	0.1655	2.49					0.1877	0	10	J
Lead	7.143	2.49					7.201	0.802	10	
Selenium	0.9874	2.49					0.7834	0	10	J

The following samples were analyzed in this batch: HS23080800-01 HS23080800-02 HS23080800-03 HS23080800-12 HS23080800-13 HS23080800-14

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199002** Units: **mg/L** Analysis Date: **16-Aug-2023 13:04**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493711** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199000** Units: **mg/L** Analysis Date: **16-Aug-2023 13:02**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493710** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199031** Units: **mg/L** Analysis Date: **16-Aug-2023 13:01**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493709** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199031** Units: **mg/L** Analysis Date: **16-Aug-2023 13:06**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493712** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04774	0.00500	0.05	0	95.5	80 - 120				
Barium	0.04674	0.0200	0.05	0	93.5	80 - 120				
Cadmium	0.04761	0.00500	0.05	0	95.2	80 - 120				
Chromium	0.04759	0.00500	0.05	0	95.2	80 - 120				
Lead	0.04603	0.00500	0.05	0	92.1	80 - 120				
Selenium	0.04755	0.00500	0.05	0	95.1	80 - 120				
Silver	0.04662	0.00500	0.05	0	93.2	80 - 120				

MS Sample ID: **HS23080748-01MS** Units: **mg/L** Analysis Date: **16-Aug-2023 14:42**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494202** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4931	0.0500	0.5	0.00027	98.6	80 - 120				
Barium	1.022	0.200	0.5	0.5215	100	80 - 120				
Cadmium	0.4785	0.0500	0.5	0.00007	95.7	80 - 120				
Chromium	0.4857	0.0500	0.5	0.01826	93.5	80 - 120				
Lead	0.4775	0.0500	0.5	0.00218	95.1	80 - 120				
Selenium	0.4831	0.0500	0.5	-0.00405	97.4	80 - 120				
Silver	0.4556	0.0500	0.5	0.00006	91.1	80 - 120				

MSD Sample ID: **HS23080748-01MSD** Units: **mg/L** Analysis Date: **16-Aug-2023 14:44**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494203** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4743	0.0500	0.5	0.00027	94.8	80 - 120	0.4931	3.9	20	
Barium	0.9928	0.200	0.5	0.5215	94.3	80 - 120	1.022	2.94	20	
Cadmium	0.4779	0.0500	0.5	0.00007	95.6	80 - 120	0.4785	0.119	20	
Chromium	0.4662	0.0500	0.5	0.01826	89.6	80 - 120	0.4857	4.1	20	
Lead	0.4634	0.0500	0.5	0.00218	92.2	80 - 120	0.4775	3.01	20	
Selenium	0.4692	0.0500	0.5	-0.00405	94.6	80 - 120	0.4831	2.93	20	
Silver	0.4476	0.0500	0.5	0.00006	89.5	80 - 120	0.4556	1.76	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080748-01PDS** Units: **mg/L** Analysis Date: **16-Aug-2023 14:46**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494204** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.752	0.0500	2	0	87.6	75 - 125				
Barium	2.312	0.200	2	0.5215	89.5	75 - 125				
Cadmium	1.809	0.0500	2	0	90.5	75 - 125				
Chromium	1.732	0.0500	2	0.01826	85.7	75 - 125				
Lead	1.727	0.0500	2	0	86.4	75 - 125				
Selenium	1.729	0.0500	2	0	86.5	75 - 125				
Silver	1.522	0.0500	2	0	76.1	75 - 125				

SD Sample ID: **HS23080748-01SD** Units: **mg/L** Analysis Date: **16-Aug-2023 14:40**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494201** PrepDate: **15-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00027	0	10	
Barium	0.5075	1.00					0.5215	0	10	J
Cadmium	U	0.250					0.00007	0	10	
Chromium	U	0.250					0.01826	0	10	
Lead	U	0.250					0.00218	0	10	
Selenium	U	0.250					-0.00405	0	10	
Silver	U	0.250					0.00006	0	10	

The following samples were analyzed in this batch:

HS23080800-04	HS23080800-05	HS23080800-06	HS23080800-07
HS23080800-08	HS23080800-09	HS23080800-10	HS23080800-11
HS23080800-15	HS23080800-16	HS23080800-17	HS23080800-18
HS23080800-19	HS23080800-20	HS23080800-21	HS23080800-22

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199071** Units: **mg/L** Analysis Date: **16-Aug-2023 20:05**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494839** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-198938** Units: **mg/L** Analysis Date: **16-Aug-2023 20:09**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494841** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-198631** Units: **mg/L** Analysis Date: **16-Aug-2023 20:11**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494842** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-199068** Units: **mg/L** Analysis Date: **16-Aug-2023 20:07**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494840** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199069** Units: **mg/L** Analysis Date: **16-Aug-2023 20:04**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494838** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:02**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494837** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:12**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494843** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04757	0.00500	0.05	0	95.1	80 - 120				
Barium	0.04395	0.0200	0.05	0	87.9	80 - 120				
Cadmium	0.0455	0.00500	0.05	0	91.0	80 - 120				
Chromium	0.04728	0.00500	0.05	0	94.6	80 - 120				
Lead	0.04152	0.00500	0.05	0	83.0	80 - 120				
Selenium	0.04768	0.00500	0.05	0	95.4	80 - 120				
Silver	0.04645	0.00500	0.05	0	92.9	80 - 120				

MS Sample ID: **HS23080212-01MS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:21**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494848** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4611	0.0500	0.5	0.00213	91.8	80 - 120				
Barium	0.7547	0.200	0.5	0.3233	86.3	80 - 120				
Cadmium	0.4317	0.0500	0.5	0.00053	86.2	80 - 120				
Chromium	0.4531	0.0500	0.5	-0.00018	90.7	80 - 120				
Lead	0.5424	0.0500	0.5	0.1396	80.5	80 - 120				
Selenium	0.4601	0.0500	0.5	-0.00202	92.4	80 - 120				
Silver	0.4399	0.0500	0.5	-0.00007	88.0	80 - 120				

MSD Sample ID: **HS23080212-01MSD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:23**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494849** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4675	0.0500	0.5	0.00213	93.1	80 - 120	0.4611	1.39	20	
Barium	0.764	0.200	0.5	0.3233	88.1	80 - 120	0.7547	1.22	20	
Cadmium	0.4403	0.0500	0.5	0.00053	88.0	80 - 120	0.4317	1.97	20	
Chromium	0.4617	0.0500	0.5	-0.00018	92.4	80 - 120	0.4531	1.88	20	
Lead	0.5465	0.0500	0.5	0.1396	81.4	80 - 120	0.5424	0.755	20	
Selenium	0.4772	0.0500	0.5	-0.00202	95.8	80 - 120	0.4601	3.64	20	
Silver	0.4474	0.0500	0.5	-0.00007	89.5	80 - 120	0.4399	1.69	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080212-01PDS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:25**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494850** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9215	0.0500	1	0.00213	91.9	75 - 125				
Barium	1.18	0.200	1	0.3233	85.7	75 - 125				
Cadmium	0.8572	0.0500	1	0.00053	85.7	75 - 125				
Chromium	0.9063	0.0500	1	-0.00018	90.6	75 - 125				
Lead	1.023	0.0500	1	0.1396	88.4	75 - 125				
Selenium	0.9463	0.0500	1	-0.00202	94.8	75 - 125				
Silver	0.8007	0.0500	1	-0.00007	80.1	75 - 125				

SD Sample ID: **HS23080212-01SD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:19**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494847** PrepDate: **16-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00213	0	10	
Barium	0.3312	1.00					0.3233	0	10	J
Cadmium	U	0.250					0.00053	0	10	
Chromium	U	0.250					-0.00018	0	10	
Lead	0.1541	0.250					0.1396	0	10	J
Selenium	U	0.250					-0.00202	0	10	
Silver	U	0.250					-0.00007	0	10	

The following samples were analyzed in this batch:

HS23080800-23	HS23080800-24	HS23080800-25	HS23080800-26
HS23080800-27	HS23080800-28	HS23080800-29	HS23080800-30

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199142 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198970** Units: **mg/L** Analysis Date: **17-Aug-2023 15:13**
Client ID: Run ID: **HG04_444262** SeqNo: **7497332** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:16**
Client ID: Run ID: **HG04_444262** SeqNo: **7497334** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199001** Units: **mg/L** Analysis Date: **17-Aug-2023 15:14**
Client ID: Run ID: **HG04_444262** SeqNo: **7497333** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-199068** Units: **mg/L** Analysis Date: **17-Aug-2023 15:11**
Client ID: Run ID: **HG04_444262** SeqNo: **7497331** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:08**
Client ID: Run ID: **HG04_444262** SeqNo: **7497329** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:09**
Client ID: Run ID: **HG04_444262** SeqNo: **7497330** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0	99.0	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199142 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MS Sample ID: **HS23080800-07MS** Units: **mg/L** Analysis Date: **17-Aug-2023 15:44**
Client ID: **SP-42** Run ID: **HG04_444262** SeqNo: **7497346** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00551	0.000200	0.005	0.000006	110	75 - 125				

MSD Sample ID: **HS23080800-07MSD** Units: **mg/L** Analysis Date: **17-Aug-2023 15:46**
Client ID: **SP-42** Run ID: **HG04_444262** SeqNo: **7497347** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00524	0.000200	0.005	0.000006	105	75 - 125	0.00551	5.02	20	

The following samples were analyzed in this batch:

HS23080800-04	HS23080800-05	HS23080800-06	HS23080800-07
HS23080800-08	HS23080800-09	HS23080800-10	HS23080800-11
HS23080800-15	HS23080800-16	HS23080800-17	HS23080800-18
HS23080800-19	HS23080800-20	HS23080800-21	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199068** Units: **mg/L** Analysis Date: **17-Aug-2023 16:26**
Client ID: Run ID: **HG04_444262** SeqNo: **7497366** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-198937** Units: **mg/L** Analysis Date: **17-Aug-2023 16:29**
Client ID: Run ID: **HG04_444262** SeqNo: **7497368** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-198630** Units: **mg/L** Analysis Date: **17-Aug-2023 16:31**
Client ID: Run ID: **HG04_444262** SeqNo: **7497369** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199070** Units: **mg/L** Analysis Date: **17-Aug-2023 16:27**
Client ID: Run ID: **HG04_444262** SeqNo: **7497367** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198999** Units: **mg/L** Analysis Date: **17-Aug-2023 16:24**
Client ID: Run ID: **HG04_444262** SeqNo: **7497365** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:14**
Client ID: Run ID: **HG04_444262** SeqNo: **7497361** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:15**
Client ID: Run ID: **HG04_444262** SeqNo: **7497362** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00488	0.000200	0.005	0	97.6	80 - 120				

MS Sample ID: **HS23080800-22MS** Units: **mg/L** Analysis Date: **17-Aug-2023 16:38**
Client ID: **SP-54** Run ID: **HG04_444262** SeqNo: **7497373** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00566	0.000200	0.005	0.000002	113	75 - 125				

MSD Sample ID: **HS23080800-22MSD** Units: **mg/L** Analysis Date: **17-Aug-2023 16:39**
Client ID: **SP-54** Run ID: **HG04_444262** SeqNo: **7497374** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00535	0.000200	0.005	0.000002	107	75 - 125	0.00566	5.63	20	

The following samples were analyzed in this batch: HS23080800-22 HS23080800-23 HS23080800-24 HS23080800-25 HS23080800-26 HS23080800-27 HS23080800-28 HS23080800-29 HS23080800-30

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: **R444205 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080722-30DUP** Units: **wt%** Analysis Date: **16-Aug-2023 14:01**
Client ID: Run ID: **Balance1_444205** SeqNo: **7496301** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	26.3	0.0100					26.8	1.88	20	

The following samples were analyzed in this batch: HS23080800-01 HS23080800-02 HS23080800-03 HS23080800-12

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: **R444206 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080980-04DUP** Units: **wt%** Analysis Date: **16-Aug-2023 15:05**
Client ID: Run ID: **Balance1_444206** SeqNo: **7496321** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	5.53	0.0100					5.51	0.362	20	

The following samples were analyzed in this batch: HS23080800-13 HS23080800-14

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23080800**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23080800 **Date/Time Received:** **12-Aug-2023 09:15**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By: */S/ Corey Grandits* (eSignature) 12-Aug-2023 10:40 (Date/Time) **Reviewed by:** */S/ Tyler Monroe* (eSignature) 15-Aug-2023 13:56 (Date/Time)

Matrices: **SOIL** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298859 , 298868 , 298860
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3..1UC/3.0C	IR31
Cooler(s)/Kit(s):	50943	
Date/Time sample(s) sent to storage:	8/12/23	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Fo

Page ____ of ____

COC ID: 298859

HS23080800

WSP Golder
Frisco Pre-Excavation Soil

ton, WV
68

:80

ALS Project Manager:

Customer Information		Project Information	
Purchase Order		Project Name	Frisco Pre-Excavation Soil
Work Order		Project Number	GL2040 906205
Company Name	WSP Golder	Bill To Company	WSP Golder
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141
Phone	(314) 984-8800	Phone	(314) 984-8800
Fax		Fax	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com

A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
C	MOIST_ASTM (Moisture %)
D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
E	Total As, Sb, Pb, Cd, Se (6020)
F	
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW001-01	8/10/2023	1217	SO	N/A	1					✓						
2	CW002-01	8/10/2023	1325	SO	N/A	1					✓						
3	CW003-01	8/10/2023	1535	SO	N/A	1					✓						
4	SP-39	8/10/2023	1539	SO	N/A	1	✓										
5	SP-40	8/10/2023	1545	SO	N/A	1	✓										
6	SP-41	8/10/2023	1549	SO	N/A	1	✓										
7	SP-42	8/10/2023	1553	SO	N/A	1	✓										
8	SP-43	8/10/2023	1559	SO	N/A	1	✓										
9	SP-44	8/10/2023	1602	SO	N/A	1	✓										
10	SP-45	8/10/2023	1607	SO	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☑ Other 72 hr TAT ☐ STD 10 Wk Days ☒ [illegible]ys ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Matt Loughney	Date: 8-11-23	Time: 1630	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 8-12-23 0915	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	50993	3.1°
				IR91	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_6$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

QC Package: (Check One Box Below)

- ☐ Level I Std QC
- ☐ Level II Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Holland, MI +1 616 399 6070

Chain of Custody Fo

Page _____ of _____

COC ID: 298868

HS23080800

WSP Golder

Frisco Pre-Excavation Soil

ton, WV
68

80

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number	GL2Ø4Ø9Ø6 2Ø5	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Sb, Pb, Cd, Se (6Ø2Ø)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-46	8/1Ø/2Ø23	1623	So.	N/A	1	✓										
2	CWØØ4-Ø1	8/11/2Ø23	ØØ15	So.	N/A	1					✓						
3	CWØØ5-Ø1	8/11/2Ø23	1237	So.	N/A	1					✓						
4	CWØØ6-Ø1	8/11/2Ø23	1512	So.	N/A	1					✓						
5	SP-47	8/11/2Ø23	16ØØ	So.	N/A	1	✓										
6	SP-48	8/11/2Ø23	16Ø4	So.	N/A	1	✓										
7	SP-49	8/11/2Ø23	16Ø7	So.	N/A	1	✓										
8	SP-5Ø	8/11/2Ø23	1611	So.	N/A	1	✓										
9	SP-51	8/11/2Ø23	1615	So.	N/A	1	✓										
10	SP-52	8/11/2Ø23	1618	So.	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Laughner ML

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ ~~5 Wk Days~~ ☐ 2 Wk Days ☐ 24 Hour ☑ Other 72 hr TAT

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Matt Laughner	8-11-23	1830	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			CG 8-12-23 0915
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page _____ of _____

COC ID: 298860

HS23080800

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
Work Order		Project Number	GL 2040 906 205	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Sb, Pb, Cd, Se (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-53	8/11/2023	1625	SO.	N/A	1	✓										
2	SP-54	8/11/2023	1627	SO.	N/A	1	✓										
3	SP-55	8/11/2023	1645	SO.	N/A	1	✓										
4	SP-56	8/11/2023	1648	SO.	N/A	1	✓										
5	SP-57	8/11/2023	1651	SO.	N/A	1	✓										
6	SP-58	8/11/2023	1653	SO.	N/A	1	✓										
7	SP-59	8/11/2023	1657	SO.	N/A	1	✓										
8	SP-60	8/11/2023	1700	SO.	N/A	1	✓										
9	SP-61	8/11/2023	1705	SO.	N/A	1	✓										
10	SP-62	8/11/2023	1709	SO.	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☑ Other 7 Wk TAT ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Matt Loughney	Date: 8-4-23	Time: 1838	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 8-12-23 0915	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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50943 AUG 1 2 2023

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 18, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23080800**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 30 sample(s) on Aug 12, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23080800**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23080800**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023					
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080800					
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206					
#[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 SW-846 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 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					
		Were all necessary corrective actions performed for the reported data?	X					
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X					
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X					

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/18/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23080800				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206				
#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080800
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198896, 199031, 199094, 199142, 199148, R444205, R444206

ER#[5]	Description
1	Batch 198896, Metals by method SW6020, Sample HS23080722-01, MS and MSD were performed on an unrelated sample.
2	See Run Log and CCB Exception Reports

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800
Start Date: 15-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	15-Aug-2023 11:05	022_ICV.d	AS CD PB SB SE
LLICV2	1	15-Aug-2023 11:09	024LCV2.d	AS CD PB SB SE
LLICV5	1	15-Aug-2023 11:11	025LCV5.d	AS CD PB SB SE
ICB	1	15-Aug-2023 11:17	027_ICB.d	AS CD PB SB SE
ICSA	1	15-Aug-2023 11:19	028ICSA.d	AS CD PB SB SE
ICSAB	1	15-Aug-2023 11:21	029ICSB.d	AS CD PB SB SE
CCV 1	1	15-Aug-2023 11:27	031_CCV.d	AS CD PB SB SE
CCB 1	1	15-Aug-2023 11:29	032_CCB.d	AS CD PB SB SE
CCV 2	1	15-Aug-2023 11:56	043_CCV.d	AS CD PB SB SE
CCB 2	1	15-Aug-2023 11:58	044_CCB.d	AS CD PB SB SE
CCV 3	1	15-Aug-2023 12:22	055_CCV.d	AS CD PB SB SE
CCB 3	1	15-Aug-2023 12:24	056_CCB.d	AS CD PB SB SE
CCV 4	1	15-Aug-2023 12:47	067_CCV.d	AS CD PB SB SE
CCB 4	1	15-Aug-2023 12:49	068_CCB.d	AS CD PB SB SE
CCV 5	1	15-Aug-2023 13:11	079_CCV.d	AS CD PB SB SE
CCB 5	1	15-Aug-2023 13:13	080_CCB.d	AS CD PB SB SE
CCV 6	1	15-Aug-2023 13:36	091_CCV.d	AS CD PB SB SE
CCB 6	1	15-Aug-2023 13:38	092_CCB.d	AS CD PB SB SE
CCV 7	1	15-Aug-2023 14:02	103_CCV.d	AS CD PB SB SE
CCB 7	1	15-Aug-2023 14:04	104_CCB.d	AS CD PB SB SE
CCV 8	1	15-Aug-2023 14:33	115_CCV.d	AS CD PB SB SE
CCB 8	1	15-Aug-2023 14:35	116_CCB.d	AS CD PB SB SE
CCV 9	1	15-Aug-2023 15:07	127_CCV.d	AS CD PB SB SE
CCB 9	1	15-Aug-2023 15:09	128_CCB.d	AS CD PB SB SE
CCV 10	1	15-Aug-2023 15:32	139_CCV.d	AS CD PB SB SE
CCB 10	1	15-Aug-2023 15:34	140_CCB.d	AS CD PB SB SE
CCV 11	1	15-Aug-2023 15:56	151_CCV.d	AS CD PB SB SE
CCB 11	1	15-Aug-2023 15:58	152_CCB.d	AS CD PB SB SE
CCV 12	1	15-Aug-2023 16:25	163_CCV.d	AS CD PB SB SE
CCB 12	1	15-Aug-2023 16:27	164_CCB.d	AS CD PB SB SE
CCV 13	1	15-Aug-2023 16:49	175_CCV.d	AS CD PB SB SE
CCB 13	1	15-Aug-2023 16:51	176_CCB.d	AS CD PB SB SE
CCV 14	1	15-Aug-2023 17:06	183_CCV.d	AS CD PB SB SE
CCB 14	1	15-Aug-2023 17:08	184_CCB.d	AS CD PB SB SE
ICCV 15	1	15-Aug-2023 19:53	208_ICV.d	AS CD PB SB SE
LLICCV2	1	15-Aug-2023 19:57	210LCV2.d	AS CD PB SB SE
LLICCV5	1	15-Aug-2023 19:59	211LCV5.d	AS CD PB SB SE
ICCB 15	1	15-Aug-2023 20:01	212_ICB.d	AS CD PB SB SE
CCV 16	1	15-Aug-2023 20:05	214_CCV.d	AS CD PB SB SE
CCB 16	1	15-Aug-2023 20:07	215_CCB.d	AS CD PB SB SE
CCV 17	1	15-Aug-2023 20:27	225_CCV.d	AS CD PB SB SE
CCB 17	1	15-Aug-2023 20:29	226_CCB.d	AS CD PB SB SE
CCV 18	1	15-Aug-2023 20:33	228_CCV.d	AS CD PB SB SE
CCV 19	1	15-Aug-2023 20:42	232_CCV.d	AS CD PB SB SE
CCB 18	1	15-Aug-2023 20:44	233_CCB.d	AS CD PB SB SE
CCV 20	1	15-Aug-2023 21:06	244_CCV.d	AS CD PB SB SE
CCB 19	1	15-Aug-2023 21:08	245_CCB.d	AS CD PB SB SE
CCV 21	1	15-Aug-2023 21:30	256_CCV.d	AS CD PB SB SE
CCB 20	1	15-Aug-2023 21:32	257_CCB.d	AS CD PB SB SE
MBLK-198896	1	15-Aug-2023 21:34	258SMPL.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800
Start Date: 15-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
LCS-198896	1	15-Aug-2023 21:36	259SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	15-Aug-2023 21:40	261SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	15-Aug-2023 21:42	262SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	15-Aug-2023 21:44	263SMPL.d	AS CD PB SB SE
ZZZZZZPDS	1	15-Aug-2023 21:46	264SMPL.d	AS CD PB SB SE
CCV 22	1	15-Aug-2023 21:48	265_CCV.d	AS CD PB SB SE
CCB 21	1	15-Aug-2023 21:50	266_CCB.d	AS CD PB SB SE
CCV 23	1	15-Aug-2023 22:12	277_CCV.d	AS CD PB SB SE
CCB 22	1	15-Aug-2023 22:14	278_CCB.d	AS CD PB SB SE
CW001-01	1	15-Aug-2023 22:22	282SMPL.d	AS CD PB SB SE
CW002-01	1	15-Aug-2023 22:24	283SMPL.d	AS CD SB SE
CW003-01	1	15-Aug-2023 22:26	284SMPL.d	AS CD PB SB SE
CW004-01	1	15-Aug-2023 22:28	285SMPL.d	AS CD SB SE
CW005-01	1	15-Aug-2023 22:30	286SMPL.d	AS CD PB SB SE
CW006-01	1	15-Aug-2023 22:32	287SMPL.d	AS CD PB SB SE
CCV 24	1	15-Aug-2023 22:36	289_CCV.d	AS CD PB SB SE
CCB 23	1	15-Aug-2023 22:38	290_CCB.d	AS CD PB SB SE
CCV 25	1	15-Aug-2023 22:49	293_CCV.d	AS CD PB SB SE
CCB 24	1	15-Aug-2023 22:51	294_CCB.d	AS CD PB SB SE
LLICV2	1	15-Aug-2023 22:55	296LCV2.d	AS CD PB SB SE
LLICV5	1	15-Aug-2023 22:57	297LCV5.d	AS CD PB SB SE
ICSA	1	15-Aug-2023 22:59	298ICSA.d	AS CD PB SB SE
ICSAB	1	15-Aug-2023 23:01	299ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

ICB	Date: 15-Aug-2023 11:17	Seq: 7490628		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.542	0.4	2	
CCB 10	Date: 15-Aug-2023 15:34	Seq: 7491778		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.484	0.4	2	
	Arsenic	-0.402	0.4	2	
	Lead	1.017	0.6	2	
CCB 13	Date: 15-Aug-2023 16:51	Seq: 7491861		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.821	0.4	2	
CCB 14	Date: 15-Aug-2023 17:08	Seq: 7491869		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.288	0.4	2	
	Arsenic	0.74	0.4	2	
ICCB 15	Date: 15-Aug-2023 20:01	Seq: 7492165		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.419	0.4	2	
CCB 16	Date: 15-Aug-2023 20:07	Seq: 7492168		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.093	0.4	2	
CCB 17	Date: 15-Aug-2023 20:29	Seq: 7492179		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.337	0.4	2	
CCB 18	Date: 15-Aug-2023 20:44	Seq: 7492216		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.34	0.4	2	
CCB 19	Date: 15-Aug-2023 21:08	Seq: 7492228		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.129	0.4	2	
CCB 20	Date: 15-Aug-2023 21:32	Seq: 7492368		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.239	0.4	2	
	Arsenic	0.447	0.4	2	
CCB 21	Date: 15-Aug-2023 21:50	Seq: 7492377		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.214	0.4	2	
	Arsenic	0.623	0.4	2	
	Selenium	1.194	1.1	2	
CCB 22	Date: 15-Aug-2023 22:14	Seq: 7492352		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.102	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Run ID:ICPMS05_443974
Instrument:ICPMS05
Method:SW6020A

Arsenic	0.953	0.4	2	
Selenium	1.154	1.1	2	

CCB 23 Date: 15-Aug-2023 22:38 Seq: 7492364 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	1.091	0.4	2

CCB 24 Date: 15-Aug-2023 22:51 Seq: 7493024 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	1.093	0.4	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080800

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080800-01	CW001-01	Soil		10-Aug-2023 12:17	12-Aug-2023 09:15	☐
HS23080800-02	CW002-01	Soil		10-Aug-2023 13:25	12-Aug-2023 09:15	☐
HS23080800-03	CW003-01	Soil		10-Aug-2023 15:35	12-Aug-2023 09:15	☐
HS23080800-04	SP-39	Soil		10-Aug-2023 15:39	12-Aug-2023 09:15	☐
HS23080800-05	SP-40	Soil		10-Aug-2023 15:45	12-Aug-2023 09:15	☐
HS23080800-06	SP-41	Soil		10-Aug-2023 15:49	12-Aug-2023 09:15	☐
HS23080800-07	SP-42	Soil		10-Aug-2023 15:53	12-Aug-2023 09:15	☐
HS23080800-08	SP-43	Soil		10-Aug-2023 15:59	12-Aug-2023 09:15	☐
HS23080800-09	SP-44	Soil		10-Aug-2023 16:02	12-Aug-2023 09:15	☐
HS23080800-10	SP-45	Soil		10-Aug-2023 16:07	12-Aug-2023 09:15	☐
HS23080800-11	SP-46	Soil		10-Aug-2023 16:23	12-Aug-2023 09:15	☐
HS23080800-12	CW004-01	Soil		11-Aug-2023 08:15	12-Aug-2023 09:15	☐
HS23080800-13	CW005-01	Soil		11-Aug-2023 12:37	12-Aug-2023 09:15	☐
HS23080800-14	CW006-01	Soil		11-Aug-2023 15:12	12-Aug-2023 09:15	☐
HS23080800-15	SP-47	Soil		11-Aug-2023 16:00	12-Aug-2023 09:15	☐
HS23080800-16	SP-48	Soil		11-Aug-2023 16:04	12-Aug-2023 09:15	☐
HS23080800-17	SP-49	Soil		11-Aug-2023 16:07	12-Aug-2023 09:15	☐
HS23080800-18	SP-50	Soil		11-Aug-2023 16:11	12-Aug-2023 09:15	☐
HS23080800-19	SP-51	Soil		11-Aug-2023 16:15	12-Aug-2023 09:15	☐
HS23080800-20	SP-52	Soil		11-Aug-2023 16:18	12-Aug-2023 09:15	☐
HS23080800-21	SP-53	Soil		11-Aug-2023 16:25	12-Aug-2023 09:15	☐
HS23080800-22	SP-54	Soil		11-Aug-2023 16:27	12-Aug-2023 09:15	☐
HS23080800-23	SP-55	Soil		11-Aug-2023 16:45	12-Aug-2023 09:15	☐
HS23080800-24	SP-56	Soil		11-Aug-2023 16:48	12-Aug-2023 09:15	☐
HS23080800-25	SP-57	Soil		11-Aug-2023 16:51	12-Aug-2023 09:15	☐
HS23080800-26	SP-58	Soil		11-Aug-2023 16:53	12-Aug-2023 09:15	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080800

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080800-27	SP-59	Soil		11-Aug-2023 16:57	12-Aug-2023 09:15	☐
HS23080800-28	SP-60	Soil		11-Aug-2023 17:00	12-Aug-2023 09:15	☐
HS23080800-29	SP-61	Soil		11-Aug-2023 17:05	12-Aug-2023 09:15	☐
HS23080800-30	SP-62	Soil		11-Aug-2023 17:09	12-Aug-2023 09:15	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW001-01
Collection Date: 10-Aug-2023 12:17

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.418**	J	**0.0770**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Arsenic	**14.0**		**0.0829**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Cadmium	**1.92**		**0.0320**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Lead	**35.3**		**0.0154**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
Selenium	**1.69**		**0.108**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:22
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**21.1**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW002-01
Collection Date: 10-Aug-2023 13:25

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**			Prep:SW3050B / 15-Aug-2023			Analyst: MSC
Antimony	**0.740**		**0.0759**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Arsenic	**11.0**		**0.0818**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Cadmium	**1.54**		**0.0315**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
Lead	**224**		**0.304**	**11.7**	**mg/Kg-dry**	20	16-Aug-2023 13:05
Selenium	**1.78**		**0.106**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:24
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**18.7**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW003-01
Collection Date: 10-Aug-2023 15:35

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.415**	J	**0.0770**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Arsenic	**13.8**		**0.0829**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Cadmium	**1.37**		**0.0320**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Lead	**50.9**		**0.0154**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
Selenium	**1.85**		**0.108**	**0.592**	**mg/Kg-dry**	1	15-Aug-2023 22:26
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**17.6**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-39
Collection Date: 10-Aug-2023 15:39

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:48
Barium	**0.664**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:48
Cadmium	**0.00429**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:48
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:48
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 14:48
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:48
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:48
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-40
Collection Date: 10-Aug-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:50
Barium	**1.21**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:50
Cadmium	**0.0549**		**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:50
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:50
Lead	**14.9**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 14:50
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:50
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:50
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-41
Collection Date: 10-Aug-2023 15:49

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:52
Barium	**0.636**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:52
Cadmium	**0.00248**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:52
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:52
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 14:52
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:52
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-42
Collection Date: 10-Aug-2023 15:53

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:54
Barium	**0.613**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 14:54
Cadmium	**0.00379**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 14:54
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 14:54
Lead	**0.00666**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 14:54
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 14:54
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 14:54
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-43
Collection Date: 10-Aug-2023 15:59

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:04
Barium	**0.607**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:04
Cadmium	**0.00471**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:04
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:04
Lead	**0.0114**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:04
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:04
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:04
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-44
Collection Date: 10-Aug-2023 16:02

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:06
Barium	**0.646**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:06
Cadmium	**0.00312**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:06
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:06
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 15:06
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:06
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:06
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-45
Collection Date: 10-Aug-2023 16:07

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:08
Barium	**1.16**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:08
Cadmium	**0.0345**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:08
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:08
Lead	**3.99**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:08
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:08
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:08
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 15:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-46
Collection Date: 10-Aug-2023 16:23

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:10
Barium	**0.549**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:10
Cadmium	**0.00563**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:10
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:10
Lead	**0.0579**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:10
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:10
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:10
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW004-01
Collection Date: 11-Aug-2023 08:15

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**			Prep:SW3050B / 15-Aug-2023			Analyst: MSC
Antimony	**0.836**		**0.0752**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Arsenic	**13.3**		**0.0809**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Cadmium	**1.99**		**0.0312**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
Lead	**291**		**0.301**	**11.6**	**mg/Kg-dry**	20	16-Aug-2023 13:07
Selenium	**1.92**		**0.105**	**0.578**	**mg/Kg-dry**	1	15-Aug-2023 22:28
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.8**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 14:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW005-01
Collection Date: 11-Aug-2023 12:37

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.556**	J	**0.0764**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Arsenic	**13.0**		**0.0822**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Cadmium	**22.5**		**0.0317**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Lead	**76.6**		**0.0153**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
Selenium	**1.92**		**0.107**	**0.587**	**mg/Kg-dry**	1	15-Aug-2023 22:30
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.2**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW006-01
Collection Date: 11-Aug-2023 15:12

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 15-Aug-2023		Analyst: MSC
Antimony	**0.677**		**0.0759**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Arsenic	**10.0**		**0.0818**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Cadmium	**0.656**		**0.0315**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Lead	**54.6**		**0.0152**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
Selenium	**1.43**		**0.106**	**0.584**	**mg/Kg-dry**	1	15-Aug-2023 22:32
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**17.9**		**0.0100**	**0.0100**	**wt%**	1	16-Aug-2023 15:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-47
Collection Date: 11-Aug-2023 16:00

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-15
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:12
Barium	**1.38**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:12
Cadmium	**0.0464**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:12
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:12
Lead	**3.43**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:12
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:12
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:12
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-48
Collection Date: 11-Aug-2023 16:04

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-16
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:13
Barium	**1.37**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:13
Cadmium	**0.0362**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:13
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:13
Lead	**8.11**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:13
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:13
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:13
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:03

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-49
Collection Date: 11-Aug-2023 16:07

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-17
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:15
Barium	**1.32**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:15
Cadmium	**0.0357**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Chromium	**0.0558**		**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Lead	**6.32**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:15
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:15
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:15
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-50
Collection Date: 11-Aug-2023 16:11

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-18
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:17
Barium	**0.593**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:17
Cadmium	**0.00423**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:17
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:17
Lead	**0.0888**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:17
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:17
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:17
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-51
Collection Date: 11-Aug-2023 16:15

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-19
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:19
Barium	**0.629**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:19
Cadmium	**0.00211**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:19
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:19
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 15:19
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:19
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:19
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:08

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-52
Collection Date: 11-Aug-2023 16:18

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-20
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:32
Barium	**1.34**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:32
Cadmium	**0.0368**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:32
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:32
Lead	**2.32**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:32
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:32
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:32
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-53
Collection Date: 11-Aug-2023 16:25

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-21
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:34
Barium	**0.603**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:34
Cadmium	**0.00411**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:34
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:34
Lead	**0.232**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:34
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:34
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:34
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-54
Collection Date: 11-Aug-2023 16:27

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-22
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 15-Aug-2023	Prep:SW3010A / 15-Aug-2023			Analyst: MSC
Arsenic	**0.00428**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Barium	**1.44**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 15:36
Cadmium	**0.0508**		**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 15:36
Lead	**0.0737**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 15:36
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 15:36
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 15:36
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 15-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:36

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-55
Collection Date: 11-Aug-2023 16:45

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-23
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:47
Barium	**0.577**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:47
Cadmium	**0.00274**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:47
Chromium	**0.00641**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 20:47
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:47
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:47
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:47
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-56
Collection Date: 11-Aug-2023 16:48

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-24
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:49
Barium	**0.625**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:49
Cadmium	**0.00540**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:49
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:49
Lead	**0.0182**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:49
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:49
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:49
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-57
Collection Date: 11-Aug-2023 16:51

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-25
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:51
Barium	**0.562**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:51
Cadmium	**0.00240**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:51
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:51
Lead	**0.00685**	J	**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:51
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:51
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:51
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-58
Collection Date: 11-Aug-2023 16:53

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-26
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:52
Barium	**0.385**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:52
Cadmium	**0.00344**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:52
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:52
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:52
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:52
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-59
Collection Date: 11-Aug-2023 16:57

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-27
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:54
Barium	**0.598**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:54
Cadmium	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:54
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:54
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:54
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:54
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:54
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:54

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-60
Collection Date: 11-Aug-2023 17:00

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-28
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:56
Barium	**0.952**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:56
Cadmium	**0.0109**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Chromium	**0.0188**	J	**0.00400**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Lead	**0.0526**		**0.00600**	**0.0500**	**mg/L**	1	16-Aug-2023 20:56
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:56
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:56
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-61
Collection Date: 11-Aug-2023 17:05

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-29
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:58
Barium	**0.534**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:58
Cadmium	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:58
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:58
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:58
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:58
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:58
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-62
Collection Date: 11-Aug-2023 17:09

ANALYTICAL REPORT
WorkOrder:HS23080800
Lab ID:HS23080800-30
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 16-Aug-2023	Prep:SW3010A / 16-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:59
Barium	**0.480**		**0.0190**	**0.200**	**mg/L**	1	16-Aug-2023 20:59
Cadmium	**0.00572**	J	**0.00200**	**0.0500**	**mg/L**	1	16-Aug-2023 20:59
Chromium	U		0.00400	0.0500	mg/L	1	16-Aug-2023 20:59
Lead	U		0.00600	0.0500	mg/L	1	16-Aug-2023 20:59
Selenium	U		0.0110	0.0500	mg/L	1	16-Aug-2023 20:59
Silver	U		0.00200	0.0500	mg/L	1	16-Aug-2023 20:59
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 16-Aug-2023	Prep:SW7470A / 17-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	17-Aug-2023 16:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 198896 **Start Date:** 15 Aug 2023 08:30 **End Date:** 15 Aug 2023 08:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-01		0.5348 (g)	50 (mL)	93.49	4-oz glass, Neat
HS23080800-02		0.5266 (g)	50 (mL)	94.95	4-oz glass, Neat
HS23080800-03		0.5125 (g)	50 (mL)	97.56	4-oz glass, Neat
HS23080800-12		0.5136 (g)	50 (mL)	97.35	4-oz glass, Neat
HS23080800-13		0.5267 (g)	50 (mL)	94.93	4-oz glass, Neat
HS23080800-14		0.5214 (g)	50 (mL)	95.9	4-oz glass, Neat

Batch ID: 198999 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-22		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199000 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-22		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199001 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199002 **Start Date:** 14 Aug 2023 15:00 **End Date:** 14 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199031 **Start Date:** 15 Aug 2023 14:30 **End Date:** 15 Aug 2023 14:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-15		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-16		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-17		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-18		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-19		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-20		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-21		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-22		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 199068 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-27		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-30		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199069 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-27		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080800-30		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199070 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-28		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199071 **Start Date:** 15 Aug 2023 15:00 **End Date:** 15 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-28		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199094 **Start Date:** 16 Aug 2023 13:00 **End Date:** 16 Aug 2023 13:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-23		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-24		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-25		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-26		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-27		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-28		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-29		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080800-30		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

Batch ID: 199142 **Start Date:** 17 Aug 2023 09:00 **End Date:** 17 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-15		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-16		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-17		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-18		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-19		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-20		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-21		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 199148 **Start Date:** 17 Aug 2023 09:00 **End Date:** 17 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080800-22		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-23		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-24		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-25		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-26		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-27		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-28		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-29		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080800-30		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198896 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23080800-01	CW001-01	10 Aug 2023 12:17		15 Aug 2023 08:30	15 Aug 2023 22:22	1
HS23080800-02	CW002-01	10 Aug 2023 13:25		15 Aug 2023 08:30	16 Aug 2023 13:05	20
HS23080800-02	CW002-01	10 Aug 2023 13:25		15 Aug 2023 08:30	15 Aug 2023 22:24	1
HS23080800-03	CW003-01	10 Aug 2023 15:35		15 Aug 2023 08:30	15 Aug 2023 22:26	1
HS23080800-12	CW004-01	11 Aug 2023 08:15		15 Aug 2023 08:30	16 Aug 2023 13:07	20
HS23080800-12	CW004-01	11 Aug 2023 08:15		15 Aug 2023 08:30	15 Aug 2023 22:28	1
HS23080800-13	CW005-01	11 Aug 2023 12:37		15 Aug 2023 08:30	15 Aug 2023 22:30	1
HS23080800-14	CW006-01	11 Aug 2023 15:12		15 Aug 2023 08:30	15 Aug 2023 22:32	1
Batch ID: 199031 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080800-04	SP-39	10 Aug 2023 15:39	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:48	1
HS23080800-05	SP-40	10 Aug 2023 15:45	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:50	1
HS23080800-06	SP-41	10 Aug 2023 15:49	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:52	1
HS23080800-07	SP-42	10 Aug 2023 15:53	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 14:54	1
HS23080800-08	SP-43	10 Aug 2023 15:59	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:04	1
HS23080800-09	SP-44	10 Aug 2023 16:02	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:06	1
HS23080800-10	SP-45	10 Aug 2023 16:07	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:08	1
HS23080800-11	SP-46	10 Aug 2023 16:23	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:10	1
HS23080800-15	SP-47	11 Aug 2023 16:00	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:12	1
HS23080800-16	SP-48	11 Aug 2023 16:04	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:13	1
HS23080800-17	SP-49	11 Aug 2023 16:07	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:15	1
HS23080800-18	SP-50	11 Aug 2023 16:11	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:17	1
HS23080800-19	SP-51	11 Aug 2023 16:15	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:19	1
HS23080800-20	SP-52	11 Aug 2023 16:18	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:32	1
HS23080800-21	SP-53	11 Aug 2023 16:25	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:34	1
HS23080800-22	SP-54	11 Aug 2023 16:27	15 Aug 2023 08:00	15 Aug 2023 14:30	16 Aug 2023 15:36	1
Batch ID: 199094 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080800-23	SP-55	11 Aug 2023 16:45	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:47	1
HS23080800-24	SP-56	11 Aug 2023 16:48	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:49	1
HS23080800-25	SP-57	11 Aug 2023 16:51	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:51	1
HS23080800-26	SP-58	11 Aug 2023 16:53	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:52	1
HS23080800-27	SP-59	11 Aug 2023 16:57	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:54	1
HS23080800-28	SP-60	11 Aug 2023 17:00	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:56	1
HS23080800-29	SP-61	11 Aug 2023 17:05	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:58	1
HS23080800-30	SP-62	11 Aug 2023 17:09	16 Aug 2023 08:00	16 Aug 2023 13:00	16 Aug 2023 20:59	1

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199142 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080800-04	SP-39	10 Aug 2023 15:39	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:37	1
HS23080800-05	SP-40	10 Aug 2023 15:45	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:39	1
HS23080800-06	SP-41	10 Aug 2023 15:49	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:41	1
HS23080800-07	SP-42	10 Aug 2023 15:53	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:43	1
HS23080800-08	SP-43	10 Aug 2023 15:59	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:48	1
HS23080800-09	SP-44	10 Aug 2023 16:02	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:49	1
HS23080800-10	SP-45	10 Aug 2023 16:07	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 15:51	1
HS23080800-11	SP-46	10 Aug 2023 16:23	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:00	1
HS23080800-15	SP-47	11 Aug 2023 16:00	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:02	1
HS23080800-16	SP-48	11 Aug 2023 16:04	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:03	1
HS23080800-17	SP-49	11 Aug 2023 16:07	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:05	1
HS23080800-18	SP-50	11 Aug 2023 16:11	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:07	1
HS23080800-19	SP-51	11 Aug 2023 16:15	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:08	1
HS23080800-20	SP-52	11 Aug 2023 16:18	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:10	1
HS23080800-21	SP-53	11 Aug 2023 16:25	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:12	1
Batch ID: 199148 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080800-22	SP-54	11 Aug 2023 16:27	15 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:36	1
HS23080800-23	SP-55	11 Aug 2023 16:45	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:47	1
HS23080800-24	SP-56	11 Aug 2023 16:48	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:49	1
HS23080800-25	SP-57	11 Aug 2023 16:51	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:50	1
HS23080800-26	SP-58	11 Aug 2023 16:53	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:52	1
HS23080800-27	SP-59	11 Aug 2023 16:57	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:54	1
HS23080800-28	SP-60	11 Aug 2023 17:00	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:56	1
HS23080800-29	SP-61	11 Aug 2023 17:05	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:57	1
HS23080800-30	SP-62	11 Aug 2023 17:09	16 Aug 2023 08:00	17 Aug 2023 09:00	17 Aug 2023 16:59	1
Batch ID: R444205 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23080800-01	CW001-01	10 Aug 2023 12:17			16 Aug 2023 14:01	1
HS23080800-02	CW002-01	10 Aug 2023 13:25			16 Aug 2023 14:01	1
HS23080800-03	CW003-01	10 Aug 2023 15:35			16 Aug 2023 14:01	1
HS23080800-12	CW004-01	11 Aug 2023 08:15			16 Aug 2023 14:01	1
Batch ID: R444206 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23080800-13	CW005-01	11 Aug 2023 12:37			16 Aug 2023 15:05	1
HS23080800-14	CW006-01	11 Aug 2023 15:12			16 Aug 2023 15:05	1

WorkOrder: HS23080800
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23080800
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23080800
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000993	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.000980	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.126	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.000969	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00101	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00165	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000979	0.000200	0.00500

WorkOrder: HS23080800
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.112	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500

WorkOrder: HS23080800
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 198896 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198896** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:34**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492369** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	U	0.498								
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								

LCS Sample ID: **LCS-198896** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:36**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492370** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.653	0.498	9.966	0	96.9	80 - 120				
Arsenic	9.859	0.498	9.966	0	98.9	80 - 120				
Cadmium	9.773	0.498	9.966	0	98.1	80 - 120				
Lead	9.971	0.498	9.966	0	100	80 - 120				
Selenium	9.845	0.498	9.966	0	98.8	80 - 120				

MS Sample ID: **HS23080722-01MS** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:42**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492373** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.903	0.473	9.47	0.1595	29.0	75 - 125				S
Arsenic	10.41	0.473	9.47	1.937	89.4	75 - 125				
Cadmium	9.284	0.473	9.47	0.1877	96.1	75 - 125				
Lead	18.38	0.473	9.47	7.201	118	75 - 125				
Selenium	8.982	0.473	9.47	0.7834	86.6	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 198896 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23080722-01MSD** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:44**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492374** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.927	0.476	9.529	0.1595	29.0	75 - 125	2.903	0.842	20	S
Arsenic	9.634	0.476	9.529	1.937	80.8	75 - 125	10.41	7.71	20	
Cadmium	9.391	0.476	9.529	0.1877	96.6	75 - 125	9.284	1.14	20	
Lead	17.51	0.476	9.529	7.201	108	75 - 125	18.38	4.84	20	
Selenium	8.69	0.476	9.529	0.7834	83.0	75 - 125	8.982	3.31	20	

PDS Sample ID: **HS23080722-01PDS** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:46**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492375** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.833	0.498	9.962	0.1595	97.1	75 - 125				
Arsenic	11.59	0.498	9.962	1.937	96.9	75 - 125				
Cadmium	10	0.498	9.962	0.1877	98.5	75 - 125				
Lead	17.33	0.498	9.962	7.201	102	75 - 125				
Selenium	10.19	0.498	9.962	0.7834	94.4	75 - 125				

SD Sample ID: **HS23080722-01SD** Units: **mg/Kg** Analysis Date: **15-Aug-2023 21:40**
Client ID: Run ID: **ICPMS05_443974** SeqNo: **7492372** PrepDate: **15-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	2.49					0.1595	0	10	
Arsenic	2.242	2.49					1.937	0	10	J
Cadmium	0.1655	2.49					0.1877	0	10	J
Lead	7.143	2.49					7.201	0.802	10	
Selenium	0.9874	2.49					0.7834	0	10	J

The following samples were analyzed in this batch: HS23080800-01 HS23080800-02 HS23080800-03 HS23080800-12 HS23080800-13 HS23080800-14

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199002** Units: **mg/L** Analysis Date: **16-Aug-2023 13:04**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493711** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199000** Units: **mg/L** Analysis Date: **16-Aug-2023 13:02**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493710** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199031** Units: **mg/L** Analysis Date: **16-Aug-2023 13:01**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493709** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199031** Units: **mg/L** Analysis Date: **16-Aug-2023 13:06**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7493712** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04774	0.00500	0.05	0	95.5	80 - 120				
Barium	0.04674	0.0200	0.05	0	93.5	80 - 120				
Cadmium	0.04761	0.00500	0.05	0	95.2	80 - 120				
Chromium	0.04759	0.00500	0.05	0	95.2	80 - 120				
Lead	0.04603	0.00500	0.05	0	92.1	80 - 120				
Selenium	0.04755	0.00500	0.05	0	95.1	80 - 120				
Silver	0.04662	0.00500	0.05	0	93.2	80 - 120				

MS Sample ID: **HS23080748-01MS** Units: **mg/L** Analysis Date: **16-Aug-2023 14:42**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494202** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4931	0.0500	0.5	0.00027	98.6	80 - 120				
Barium	1.022	0.200	0.5	0.5215	100	80 - 120				
Cadmium	0.4785	0.0500	0.5	0.00007	95.7	80 - 120				
Chromium	0.4857	0.0500	0.5	0.01826	93.5	80 - 120				
Lead	0.4775	0.0500	0.5	0.00218	95.1	80 - 120				
Selenium	0.4831	0.0500	0.5	-0.00405	97.4	80 - 120				
Silver	0.4556	0.0500	0.5	0.00006	91.1	80 - 120				

MSD Sample ID: **HS23080748-01MSD** Units: **mg/L** Analysis Date: **16-Aug-2023 14:44**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494203** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4743	0.0500	0.5	0.00027	94.8	80 - 120	0.4931	3.9	20	
Barium	0.9928	0.200	0.5	0.5215	94.3	80 - 120	1.022	2.94	20	
Cadmium	0.4779	0.0500	0.5	0.00007	95.6	80 - 120	0.4785	0.119	20	
Chromium	0.4662	0.0500	0.5	0.01826	89.6	80 - 120	0.4857	4.1	20	
Lead	0.4634	0.0500	0.5	0.00218	92.2	80 - 120	0.4775	3.01	20	
Selenium	0.4692	0.0500	0.5	-0.00405	94.6	80 - 120	0.4831	2.93	20	
Silver	0.4476	0.0500	0.5	0.00006	89.5	80 - 120	0.4556	1.76	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199031 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080748-01PDS** Units: **mg/L** Analysis Date: **16-Aug-2023 14:46**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494204** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.752	0.0500	2	0	87.6	75 - 125				
Barium	2.312	0.200	2	0.5215	89.5	75 - 125				
Cadmium	1.809	0.0500	2	0	90.5	75 - 125				
Chromium	1.732	0.0500	2	0.01826	85.7	75 - 125				
Lead	1.727	0.0500	2	0	86.4	75 - 125				
Selenium	1.729	0.0500	2	0	86.5	75 - 125				
Silver	1.522	0.0500	2	0	76.1	75 - 125				

SD Sample ID: **HS23080748-01SD** Units: **mg/L** Analysis Date: **16-Aug-2023 14:40**
Client ID: Run ID: **ICPMS06_444087** SeqNo: **7494201** PrepDate: **15-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00027	0	10	
Barium	0.5075	1.00					0.5215	0	10	J
Cadmium	U	0.250					0.00007	0	10	
Chromium	U	0.250					0.01826	0	10	
Lead	U	0.250					0.00218	0	10	
Selenium	U	0.250					-0.00405	0	10	
Silver	U	0.250					0.00006	0	10	

The following samples were analyzed in this batch:

HS23080800-04	HS23080800-05	HS23080800-06	HS23080800-07
HS23080800-08	HS23080800-09	HS23080800-10	HS23080800-11
HS23080800-15	HS23080800-16	HS23080800-17	HS23080800-18
HS23080800-19	HS23080800-20	HS23080800-21	HS23080800-22

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199071** Units: **mg/L** Analysis Date: **16-Aug-2023 20:05**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494839** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-198938** Units: **mg/L** Analysis Date: **16-Aug-2023 20:09**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494841** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-198631** Units: **mg/L** Analysis Date: **16-Aug-2023 20:11**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494842** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-199068** Units: **mg/L** Analysis Date: **16-Aug-2023 20:07**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494840** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199069** Units: **mg/L** Analysis Date: **16-Aug-2023 20:04**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494838** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:02**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494837** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199094** Units: **mg/L** Analysis Date: **16-Aug-2023 20:12**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494843** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04757	0.00500	0.05	0	95.1	80 - 120				
Barium	0.04395	0.0200	0.05	0	87.9	80 - 120				
Cadmium	0.0455	0.00500	0.05	0	91.0	80 - 120				
Chromium	0.04728	0.00500	0.05	0	94.6	80 - 120				
Lead	0.04152	0.00500	0.05	0	83.0	80 - 120				
Selenium	0.04768	0.00500	0.05	0	95.4	80 - 120				
Silver	0.04645	0.00500	0.05	0	92.9	80 - 120				

MS Sample ID: **HS23080212-01MS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:21**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494848** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4611	0.0500	0.5	0.00213	91.8	80 - 120				
Barium	0.7547	0.200	0.5	0.3233	86.3	80 - 120				
Cadmium	0.4317	0.0500	0.5	0.00053	86.2	80 - 120				
Chromium	0.4531	0.0500	0.5	-0.00018	90.7	80 - 120				
Lead	0.5424	0.0500	0.5	0.1396	80.5	80 - 120				
Selenium	0.4601	0.0500	0.5	-0.00202	92.4	80 - 120				
Silver	0.4399	0.0500	0.5	-0.00007	88.0	80 - 120				

MSD Sample ID: **HS23080212-01MSD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:23**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494849** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4675	0.0500	0.5	0.00213	93.1	80 - 120	0.4611	1.39	20	
Barium	0.764	0.200	0.5	0.3233	88.1	80 - 120	0.7547	1.22	20	
Cadmium	0.4403	0.0500	0.5	0.00053	88.0	80 - 120	0.4317	1.97	20	
Chromium	0.4617	0.0500	0.5	-0.00018	92.4	80 - 120	0.4531	1.88	20	
Lead	0.5465	0.0500	0.5	0.1396	81.4	80 - 120	0.5424	0.755	20	
Selenium	0.4772	0.0500	0.5	-0.00202	95.8	80 - 120	0.4601	3.64	20	
Silver	0.4474	0.0500	0.5	-0.00007	89.5	80 - 120	0.4399	1.69	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199094 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23080212-01PDS** Units: **mg/L** Analysis Date: **16-Aug-2023 20:25**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494850** PrepDate: **16-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9215	0.0500	1	0.00213	91.9	75 - 125				
Barium	1.18	0.200	1	0.3233	85.7	75 - 125				
Cadmium	0.8572	0.0500	1	0.00053	85.7	75 - 125				
Chromium	0.9063	0.0500	1	-0.00018	90.6	75 - 125				
Lead	1.023	0.0500	1	0.1396	88.4	75 - 125				
Selenium	0.9463	0.0500	1	-0.00202	94.8	75 - 125				
Silver	0.8007	0.0500	1	-0.00007	80.1	75 - 125				

SD Sample ID: **HS23080212-01SD** Units: **mg/L** Analysis Date: **16-Aug-2023 20:19**
Client ID: Run ID: **ICPMS07_444085** SeqNo: **7494847** PrepDate: **16-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00213	0	10	
Barium	0.3312	1.00					0.3233	0	10	J
Cadmium	U	0.250					0.00053	0	10	
Chromium	U	0.250					-0.00018	0	10	
Lead	0.1541	0.250					0.1396	0	10	J
Selenium	U	0.250					-0.00202	0	10	
Silver	U	0.250					-0.00007	0	10	

The following samples were analyzed in this batch:

HS23080800-23	HS23080800-24	HS23080800-25	HS23080800-26
HS23080800-27	HS23080800-28	HS23080800-29	HS23080800-30

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199142 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198970** Units: **mg/L** Analysis Date: **17-Aug-2023 15:13**
Client ID: Run ID: **HG04_444262** SeqNo: **7497332** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:16**
Client ID: Run ID: **HG04_444262** SeqNo: **7497334** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199001** Units: **mg/L** Analysis Date: **17-Aug-2023 15:14**
Client ID: Run ID: **HG04_444262** SeqNo: **7497333** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-199068** Units: **mg/L** Analysis Date: **17-Aug-2023 15:11**
Client ID: Run ID: **HG04_444262** SeqNo: **7497331** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:08**
Client ID: Run ID: **HG04_444262** SeqNo: **7497329** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-199142** Units: **mg/L** Analysis Date: **17-Aug-2023 15:09**
Client ID: Run ID: **HG04_444262** SeqNo: **7497330** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0	99.0	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199142 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MS Sample ID: **HS23080800-07MS** Units: **mg/L** Analysis Date: **17-Aug-2023 15:44**
Client ID: **SP-42** Run ID: **HG04_444262** SeqNo: **7497346** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00551	0.000200	0.005	0.000006	110	75 - 125				

MSD Sample ID: **HS23080800-07MSD** Units: **mg/L** Analysis Date: **17-Aug-2023 15:46**
Client ID: **SP-42** Run ID: **HG04_444262** SeqNo: **7497347** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00524	0.000200	0.005	0.000006	105	75 - 125	0.00551	5.02	20	

The following samples were analyzed in this batch:

HS23080800-04	HS23080800-05	HS23080800-06	HS23080800-07
HS23080800-08	HS23080800-09	HS23080800-10	HS23080800-11
HS23080800-15	HS23080800-16	HS23080800-17	HS23080800-18
HS23080800-19	HS23080800-20	HS23080800-21	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199068** Units: **mg/L** Analysis Date: **17-Aug-2023 16:26**
Client ID: Run ID: **HG04_444262** SeqNo: **7497366** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-198937** Units: **mg/L** Analysis Date: **17-Aug-2023 16:29**
Client ID: Run ID: **HG04_444262** SeqNo: **7497368** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-198630** Units: **mg/L** Analysis Date: **17-Aug-2023 16:31**
Client ID: Run ID: **HG04_444262** SeqNo: **7497369** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199070** Units: **mg/L** Analysis Date: **17-Aug-2023 16:27**
Client ID: Run ID: **HG04_444262** SeqNo: **7497367** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198999** Units: **mg/L** Analysis Date: **17-Aug-2023 16:24**
Client ID: Run ID: **HG04_444262** SeqNo: **7497365** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:14**
Client ID: Run ID: **HG04_444262** SeqNo: **7497361** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: 199148 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199148** Units: **mg/L** Analysis Date: **17-Aug-2023 16:15**
Client ID: Run ID: **HG04_444262** SeqNo: **7497362** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00488	0.000200	0.005	0	97.6	80 - 120				

MS Sample ID: **HS23080800-22MS** Units: **mg/L** Analysis Date: **17-Aug-2023 16:38**
Client ID: **SP-54** Run ID: **HG04_444262** SeqNo: **7497373** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00566	0.000200	0.005	0.000002	113	75 - 125				

MSD Sample ID: **HS23080800-22MSD** Units: **mg/L** Analysis Date: **17-Aug-2023 16:39**
Client ID: **SP-54** Run ID: **HG04_444262** SeqNo: **7497374** PrepDate: **17-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00535	0.000200	0.005	0.000002	107	75 - 125	0.00566	5.63	20	

The following samples were analyzed in this batch: HS23080800-22 HS23080800-23 HS23080800-24 HS23080800-25 HS23080800-26 HS23080800-27 HS23080800-28 HS23080800-29 HS23080800-30

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: **R444205 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080722-30DUP** Units: **wt%** Analysis Date: **16-Aug-2023 14:01**
Client ID: Run ID: **Balance1_444205** SeqNo: **7496301** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	26.3	0.0100					26.8	1.88	20	

The following samples were analyzed in this batch: HS23080800-01 HS23080800-02 HS23080800-03 HS23080800-12

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080800

QC BATCH REPORT

Batch ID: **R444206 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23080980-04DUP** Units: **wt%** Analysis Date: **16-Aug-2023 15:05**
Client ID: Run ID: **Balance1_444206** SeqNo: **7496321** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	5.53	0.0100					5.51	0.362	20	

The following samples were analyzed in this batch: HS23080800-13 HS23080800-14

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23080800**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23080800 **Date/Time Received:** **12-Aug-2023 09:15**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By: */S/ Corey Grandits* (eSignature) 12-Aug-2023 10:40 (Date/Time) **Reviewed by:** */S/ Tyler Monroe* (eSignature) 15-Aug-2023 13:56 (Date/Time)

Matrices: **SOIL** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298859 , 298868 , 298860
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	3..1UC/3.0C	IR31
Cooler(s)/Kit(s):	50943	
Date/Time sample(s) sent to storage:	8/12/23	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Fo

Page ____ of ____

COC ID: 298859

HS23080800

WSP Golder
Frisco Pre-Excavation Soil

ton, WV
68

:80

ALS Project Manager:

Customer Information		Project Information	
Purchase Order		Project Name	Frisco Pre-Excavation Soil
Work Order		Project Number	GL2040 906205
Company Name	WSP Golder	Bill To Company	WSP Golder
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141
Phone	(314) 984-8800	Phone	(314) 984-8800
Fax		Fax	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com

A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
C	MOIST_ASTM (Moisture %)
D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
E	Total As, Sb, Pb, Cd, Se (6020)
F	
G	
H	
I	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW001-01	8/10/2023	1217	SO	N/A	1					✓						
2	CW002-01	8/10/2023	1325	SO	N/A	1					✓						
3	CW003-01	8/10/2023	1535	SO	N/A	1					✓						
4	SP-39	8/10/2023	1539	SO	N/A	1	✓										
5	SP-40	8/10/2023	1545	SO	N/A	1	✓										
6	SP-41	8/10/2023	1549	SO	N/A	1	✓										
7	SP-42	8/10/2023	1553	SO	N/A	1	✓										
8	SP-43	8/10/2023	1559	SO	N/A	1	✓										
9	SP-44	8/10/2023	1602	SO	N/A	1	✓										
10	SP-45	8/10/2023	1607	SO	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☑ Other 72 hr TAT ☐ STD 10 Wk Days ☒ [illegible]ys ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Matt Loughney	Date: 8-11-23	Time: 1630	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 8-12-23 0915	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	50993	3.1°
				IR91	

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_6$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

QC Package: (Check One Box Below)

- ☐ Level I Std QC
- ☐ Level II Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Holland, MI +1 616 399 6070

Chain of Custody Fo

Page _____ of _____

COC ID: 298868

HS23080800

WSP Golder

Frisco Pre-Excavation Soil

ton, WV
68

80

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number	GL2Ø4Ø9Ø6 2Ø5	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Sb, Pb, Cd, Se (6Ø2Ø)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-46	8/1Ø/2Ø23	1623	So.	N/A	1	✓										
2	CWØØ4-Ø1	8/11/2Ø23	ØØ15	So.	N/A	1					✓						
3	CWØØ5-Ø1	8/11/2Ø23	1237	So.	N/A	1					✓						
4	CWØØ6-Ø1	8/11/2Ø23	1512	So.	N/A	1					✓						
5	SP-47	8/11/2Ø23	16ØØ	So.	N/A	1	✓										
6	SP-48	8/11/2Ø23	16Ø4	So.	N/A	1	✓										
7	SP-49	8/11/2Ø23	16Ø7	So.	N/A	1	✓										
8	SP-5Ø	8/11/2Ø23	1611	So.	N/A	1	✓										
9	SP-51	8/11/2Ø23	1615	So.	N/A	1	✓										
10	SP-52	8/11/2Ø23	1618	So.	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Laughner ML

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ ~~5 Wk Days~~ ☐ 2 Wk Days ☐ 24 Hour ☑ Other 72 hr TAT

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Matt Laughner	8-11-23	1830	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			CG 8-12-23 0915
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page _____ of _____

COC ID: 298860

HS23080800

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
Work Order		Project Number	GL 2040 906 205	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Sb, Pb, Cd, Se (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-53	8/11/2023	1625	SO.	N/A	1	✓										
2	SP-54	8/11/2023	1627	SO.	N/A	1	✓										
3	SP-55	8/11/2023	1645	SO.	N/A	1	✓										
4	SP-56	8/11/2023	1648	SO.	N/A	1	✓										
5	SP-57	8/11/2023	1651	SO.	N/A	1	✓										
6	SP-58	8/11/2023	1653	SO.	N/A	1	✓										
7	SP-59	8/11/2023	1657	SO.	N/A	1	✓										
8	SP-60	8/11/2023	1700	SO.	N/A	1	✓										
9	SP-61	8/11/2023	1705	SO.	N/A	1	✓										
10	SP-62	8/11/2023	1709	SO.	N/A	1	✓										

Sampler(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☑ Other 7 Wk TAT ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Matt Loughney	Date: 8-4-23	Time: 1838	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 8-12-23 0915	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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50943 AUG 1 2 2023

Data Usability Summary

To:	Tim Jennings	Date:	September 25, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23081099 2023.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected August 14, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

Analytes detected in laboratory method blanks are listed in Table 2. Analytes detected in continuing calibration blanks are listed in Table 2.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. No project samples were spiked as MS/MSD.

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. PDS recoveries were within the acceptance criteria of 70 to 130 %R. Serial dilution precision was within 20 percent difference (%D) for samples with results greater than 50 times the sample detection limit.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected collected August 14, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
SDAS009-1	HS23081099-01	X	
SDAS001-002-1	HS23081099-02	X	
SDAS008-1	HS23081099-09	X	
SDAS007-1	HS23081099-30	X	

Table 2 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
MBLK-199169	Selenium	0.2225 mg/kg	0.445	No data are qualified
ICPMS07_444483 CCB 9	Selenium	1.160 µg/L	0.232	No data are qualified

mg/kg – Milligram per kilogram

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 24, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23081099**

Laboratory Results for: **Frisco CDC Interim Action**

Dear William Wedge,

ALS Environmental received 33 sample(s) on Aug 16, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco CDC Interim Action	
WorkOrder:	**HS23081099**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco CDC Interim Action	
WorkOrder:	**HS23081099**	

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 08/24/2023
Project Name: Frisco CDC Interim Action	Laboratory Job Number: HS23081099
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199169,199335,199336,199371,199383,R444621

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 08/24/2023
Project Name: Frisco CDC Interim Action	Laboratory Job Number: HS23081099
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199169,199335,199336,199371,199383,R444621

#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/24/2023
Project Name: Frisco CDC Interim Action	Laboratory Job Number: HS23081099
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199169,199335,199336,199371,199383,R444621

ER#[5]	Description
1	Batch 199169, Metals Method SW6020, sample HS23080982-01, MS and MSD were performed on unrelated sample.
2	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099
Start Date: 21-Aug-2023 End Date: 22-Aug-2023

Run ID:ICPMS07_444483
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	21-Aug-2023 16:51	016_ICV.d	AS CD PB SB SE
LLICV2	1	21-Aug-2023 16:55	018LCV2.d	AS CD PB SB SE
LLICV5	1	21-Aug-2023 16:58	019LCV5.d	AS CD PB SB SE
ICB	1	21-Aug-2023 17:00	020_ICB.d	AS CD PB SB SE
ICSA	1	21-Aug-2023 17:06	022ICSA.d	AS CD PB SB SE
ICSAB	1	21-Aug-2023 17:09	023ICSB.d	AS CD PB SB SE
CCV 1	1	21-Aug-2023 17:18	026_CCV.d	AS CD PB SB SE
CCB 1	1	21-Aug-2023 17:21	027_CCB.d	AS CD PB SB SE
CCV 2	1	21-Aug-2023 17:48	038_CCV.d	AS CD PB SB SE
CCB 2	1	21-Aug-2023 17:58	042_CCB.d	AS CD PB SB SE
CCV 3	1	21-Aug-2023 18:27	053_CCV.d	AS CD PB SB SE
CCB 3	1	21-Aug-2023 18:29	054_CCB.d	AS CD PB SB SE
CCV 4	1	21-Aug-2023 18:37	057_CCV.d	AS CD PB SB SE
CCB 4	1	21-Aug-2023 18:39	058_CCB.d	AS CD PB SB SE
CCV 5	1	21-Aug-2023 19:05	069_CCV.d	AS CD PB SB SE
CCB 5	1	21-Aug-2023 19:07	070_CCB.d	AS CD PB SB SE
CCV 6	1	21-Aug-2023 19:15	072_CCV.d	AS CD PB SB SE
CCV 7	1	21-Aug-2023 19:25	076_CCV.d	AS CD PB SB SE
CCB 6	1	21-Aug-2023 19:27	077_CCB.d	AS CD PB SB SE
ICCV 8	1	21-Aug-2023 20:00	090_ICV.d	AS CD PB SB SE
LLCCV2	1	21-Aug-2023 20:02	091LCV2.d	AS CD PB SB SE
LLCCV5	1	21-Aug-2023 20:04	092LCV5.d	AS CD PB SB SE
ICCB 7	1	21-Aug-2023 20:11	095_ICB.d	AS CD PB SB SE
CCV 9	1	21-Aug-2023 20:14	096_CCV.d	AS CD PB SB SE
CCB 8	1	21-Aug-2023 20:16	097_CCB.d	AS CD PB SB SE
MBLK-199169	1	21-Aug-2023 20:18	098SMPL.d	AS CD PB SB SE
LCS-199169	1	21-Aug-2023 20:21	099SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	21-Aug-2023 20:25	101SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	21-Aug-2023 20:28	102SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	21-Aug-2023 20:30	103SMPL.d	AS CD PB SB SE
ZZZZZZPDS	1	21-Aug-2023 20:32	104SMPL.d	AS CD PB SB SE
CCV 10	1	21-Aug-2023 20:35	105_CCV.d	AS CD PB SB SE
CCB 9	1	21-Aug-2023 20:37	106_CCB.d	AS CD PB SB SE
SDAS009-1	1	21-Aug-2023 21:00	116SMPL.d	AS CD PB SB SE
CCV 11	1	21-Aug-2023 21:02	117_CCV.d	AS CD PB SB SE
CCB 10	1	21-Aug-2023 21:05	118_CCB.d	AS CD PB SB SE
SDAS001-002-1	1	21-Aug-2023 21:07	119SMPL.d	AS CD SB SE
SDAS008-1	1	21-Aug-2023 21:09	120SMPL.d	AS CD PB SB SE
SDAS007-1	1	21-Aug-2023 21:12	121SMPL.d	AS CD PB SB SE
CCV 12	1	21-Aug-2023 21:26	127_CCV.d	AS CD PB SB SE
CCB 11	1	21-Aug-2023 21:28	128_CCB.d	AS CD PB SB SE
CCV 13	1	21-Aug-2023 21:47	136_CCV.d	AS CD PB SB SE
CCB 12	1	21-Aug-2023 21:49	137_CCB.d	AS CD PB SB SE
ICCV 14	1	21-Aug-2023 22:34	150_ICV.d	AS CD PB SB SE
LLCCV2	1	21-Aug-2023 22:36	151LCV2.d	AS CD PB SB SE
LLCCV5	1	21-Aug-2023 22:38	152LCV5.d	AS CD PB SB SE
ICCB 13	1	21-Aug-2023 22:41	153_ICB.d	AS CD PB SB SE
CCV 15	1	21-Aug-2023 22:45	155_CCV.d	AS CD PB SB SE
CCB 14	1	21-Aug-2023 22:48	156_CCB.d	AS CD PB SB SE
CCV 16	1	21-Aug-2023 23:06	164_CCV.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099
Start Date: 21-Aug-2023 End Date: 22-Aug-2023

Run ID:ICPMS07_444483
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCB 15	1	21-Aug-2023 23:09	165_CCB.d	AS CD PB SB SE
CCV 17	1	21-Aug-2023 23:32	175_CCV.d	AS CD PB SB SE
CCB 16	1	21-Aug-2023 23:34	176_CCB.d	AS CD PB SB SE
CCV 18	1	21-Aug-2023 23:47	181_CCV.d	AS CD PB SB SE
CCB 17	1	21-Aug-2023 23:49	182_CCB.d	AS CD PB SB SE
CCV 19	1	22-Aug-2023 00:05	189_CCV.d	AS CD PB SB SE
CCB 18	1	22-Aug-2023 00:08	190_CCB.d	AS CD PB SB SE
CCV 20	1	22-Aug-2023 00:17	194_CCV.d	AS CD PB SB SE
CCB 19	1	22-Aug-2023 00:19	195_CCB.d	AS CD PB SB SE
CCV 21	1	22-Aug-2023 00:25	197_CCV.d	AS CD PB SB SE
CCB 20	1	22-Aug-2023 00:27	198_CCB.d	AS CD PB SB SE
LLCCV2	1	22-Aug-2023 00:29	199LCV2.d	AS CD PB SB SE
LLCCV5	1	22-Aug-2023 00:32	200LCV5.d	AS CD PB SB SE
ICSA	1	22-Aug-2023 00:34	201ICSA.d	AS CD PB SB SE
ICSAB	1	22-Aug-2023 00:36	202ICSB.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099
Start Date: 22-Aug-2023 End Date: 23-Aug-2023

Run ID:ICPMS07_444566
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	22-Aug-2023 14:12	011_ICV.d	AG AS BA CD CR PB SE
ICV	1	22-Aug-2023 14:16	013_ICV.d	AG AS BA CD CR PB SE
LLICV2	1	22-Aug-2023 14:21	015LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	22-Aug-2023 14:23	016LCV5.d	AG AS BA CD CR PB SE
ICB	1	22-Aug-2023 14:28	018_ICB.d	AG AS BA CD CR PB SE
ICSA	1	22-Aug-2023 14:30	019ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	22-Aug-2023 14:33	020ICSB.d	AG AS BA CD CR PB SE
CCV 1	1	22-Aug-2023 14:38	022_CCV.d	AG AS BA CD CR PB SE
CCB 1	1	22-Aug-2023 14:41	023_CCB.d	AG AS BA CD CR PB SE
CCV 2	1	22-Aug-2023 15:06	034_CCV.d	AG AS BA CD CR PB SE
CCB 2	1	22-Aug-2023 15:09	035_CCB.d	AG AS BA CD CR PB SE
CCV 3	1	22-Aug-2023 15:34	046_CCV.d	AG AS BA CD CR PB SE
CCB 3	1	22-Aug-2023 15:36	047_CCB.d	AG AS BA CD CR PB SE
CCV 4	1	22-Aug-2023 15:39	048_CCV.d	AG AS BA CD CR PB SE
CCV 5	1	22-Aug-2023 16:09	059_CCV.d	AG AS BA CD CR PB SE
CCB 4	1	22-Aug-2023 16:11	060_CCB.d	AG AS BA CD CR PB SE
CCV 6	1	22-Aug-2023 16:13	061_CCV.d	AG AS BA CD CR PB SE
CCV 7	1	22-Aug-2023 16:40	072_CCV.d	AG AS BA CD CR PB SE
CCB 5	1	22-Aug-2023 16:42	073_CCB.d	AG AS BA CD CR PB SE
CCV 8	1	22-Aug-2023 16:45	074_CCV.d	AG AS BA CD CR PB SE
CCV 9	1	22-Aug-2023 17:11	085_CCV.d	AG AS BA CD CR PB SE
CCB 6	1	22-Aug-2023 17:13	086_CCB.d	AG AS BA CD CR PB SE
CCV 10	1	22-Aug-2023 17:40	097_CCV.d	AG AS BA CD CR PB SE
CCB 7	1	22-Aug-2023 17:43	098_CCB.d	AG AS BA CD CR PB SE
CCV 11	1	22-Aug-2023 18:08	109_CCV.d	AG AS BA CD CR PB SE
CCB 8	1	22-Aug-2023 18:10	110_CCB.d	AG AS BA CD CR PB SE
CCV 12	1	22-Aug-2023 19:07	114_CCV.d	AG AS BA CD CR PB SE
CCB 9	1	22-Aug-2023 19:10	115_CCB.d	AG AS BA CD CR PB SE
CCV 13	1	22-Aug-2023 19:35	126_CCV.d	AG AS BA CD CR PB SE
CCB 10	1	22-Aug-2023 19:37	127_CCB.d	AG AS BA CD CR PB SE
CCV 14	1	22-Aug-2023 19:56	135_CCV.d	AG AS BA CD CR PB SE
CCB 11	1	22-Aug-2023 19:58	136_CCB.d	AG AS BA CD CR PB SE
CCV 15	1	22-Aug-2023 20:24	147_CCV.d	AG AS BA CD CR PB SE
CCB 12	1	22-Aug-2023 20:26	148_CCB.d	AG AS BA CD CR PB SE
CCV 16	1	22-Aug-2023 20:52	159_CCV.d	AG AS BA CD CR PB SE
CCB 13	1	22-Aug-2023 20:54	160_CCB.d	AG AS BA CD CR PB SE
MBLK-199335	1	22-Aug-2023 20:57	161SMPL.d	AG AS BA CD CR PB SE
MBLKT1-199296	1	22-Aug-2023 20:59	162SMPL.d	AG AS BA CD CR PB SE
MBLKT2-199299	1	22-Aug-2023 21:01	163SMPL.d	AG AS BA CD CR PB SE
MBLKT3-199297	1	22-Aug-2023 21:03	164SMPL.d	AG AS BA CD CR PB SE
LCS-199335	1	22-Aug-2023 21:06	165SMPL.d	AG AS BA CD CR PB SE
SP-69	1	22-Aug-2023 21:08	166SMPL.d	AG AS BA CD CR PB SE
SP-69SD	5	22-Aug-2023 21:10	167SMPL.d	AG AS BA CD CR PB SE
SP-69MS	1	22-Aug-2023 21:13	168SMPL.d	AG AS BA CD CR PB SE
SP-69MSD	1	22-Aug-2023 21:15	169SMPL.d	AG AS BA CD CR PB SE
SP-69PDS	1	22-Aug-2023 21:17	170SMPL.d	AG AS BA CD CR PB SE
CCV 17	1	22-Aug-2023 21:20	171_CCV.d	AG AS BA CD CR PB SE
CCB 14	1	22-Aug-2023 21:22	172_CCB.d	AG AS BA CD CR PB SE
SP-70	1	22-Aug-2023 21:24	173SMPL.d	AG AS BA CD CR PB SE
SP-71	1	22-Aug-2023 21:27	174SMPL.d	AG AS BA CD CR PB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099
Start Date: 22-Aug-2023 End Date: 23-Aug-2023

Run ID:ICPMS07_444566
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
SP-72	1	22-Aug-2023 21:29	175SMPL.d	AG AS BA CD CR PB SE
SP-73	1	22-Aug-2023 21:31	176SMPL.d	AG AS BA CD CR PB SE
SP-74	1	22-Aug-2023 21:34	177SMPL.d	AG AS BA CD CR PB SE
SP-75	1	22-Aug-2023 21:36	178SMPL.d	AG AS BA CD CR PB SE
SP-76	1	22-Aug-2023 21:38	179SMPL.d	AG AS BA CD CR PB SE
SP-77	1	22-Aug-2023 21:41	180SMPL.d	AG AS BA CD CR PB SE
SP-78	1	22-Aug-2023 21:43	181SMPL.d	AG AS BA CD CR SE
SP-79	1	22-Aug-2023 21:45	182SMPL.d	AG AS BA CD CR PB SE
CCV 18	1	22-Aug-2023 21:48	183_CCV.d	AG AS BA CD CR PB SE
CCB 15	1	22-Aug-2023 21:50	184_CCB.d	AG AS BA CD CR PB SE
SP-80	1	22-Aug-2023 21:52	185SMPL.d	AG AS BA CD CR PB SE
SP-81	1	22-Aug-2023 21:56	186SMPL.d	AG AS BA CD CR PB SE
SP-82	1	22-Aug-2023 21:58	187SMPL.d	AG AS BA CD CR PB SE
SP-83	1	22-Aug-2023 22:01	188SMPL.d	AG AS BA CD CR PB
CCV 19	1	22-Aug-2023 22:03	189_CCV.d	AG AS BA CD CR PB SE
CCB 16	1	22-Aug-2023 22:05	190_CCB.d	AG AS BA CD CR PB SE
SP-84	1	22-Aug-2023 22:08	191SMPL.d	AG AS BA CD CR PB SE
SP-85	1	22-Aug-2023 22:10	192SMPL.d	AG AS BA CD CR PB SE
SP-86	1	22-Aug-2023 22:12	193SMPL.d	AG AS BA CD CR PB
SP-87	1	22-Aug-2023 22:15	194SMPL.d	AG AS BA CD CR PB
SP-88	1	22-Aug-2023 22:17	195SMPL.d	AG AS BA CD CR PB
CCV 20	1	22-Aug-2023 22:22	197_CCV.d	AG AS BA CD CR PB SE
CCB 17	1	22-Aug-2023 22:24	198_CCB.d	AG AS BA CD CR PB SE
LLCCV2	1	22-Aug-2023 22:57	210LCV2.d	AG AS BA CD CR PB SE
LLCCV5	1	22-Aug-2023 23:00	211LCV5.d	AG AS BA CD CR PB SE
ICCV 21	1	22-Aug-2023 23:07	214_ICV.d	AG AS BA CD CR PB SE
ICCB 18	1	22-Aug-2023 23:09	215_ICB.d	AG AS BA CD CR PB SE
CCV 22	1	22-Aug-2023 23:14	217_CCV.d	AG AS BA CD CR PB SE
CCB 19	1	22-Aug-2023 23:16	218_CCB.d	AG AS BA CD CR PB SE
SP-83	1	22-Aug-2023 23:18	219SMPL.d	SE
SP-86	1	22-Aug-2023 23:21	220SMPL.d	SE
SP-87	1	22-Aug-2023 23:23	221SMPL.d	SE
SP-88	1	22-Aug-2023 23:25	222SMPL.d	SE
CCV 23	1	22-Aug-2023 23:28	223_CCV.d	AG AS BA CD CR PB SE
CCB 20	1	22-Aug-2023 23:30	224_CCB.d	AG AS BA CD CR PB SE
CCV 24	1	22-Aug-2023 23:49	232_CCV.d	AG AS BA CD CR PB SE
CCB 21	1	22-Aug-2023 23:51	233_CCB.d	AG AS BA CD CR PB SE
CCV 25	1	23-Aug-2023 00:16	244_CCV.d	AG AS BA CD CR PB SE
CCB 22	1	23-Aug-2023 00:19	245_CCB.d	AG AS BA CD CR PB SE
CCV 26	1	23-Aug-2023 00:44	256_CCV.d	AG AS BA CD CR PB SE
CCB 23	1	23-Aug-2023 00:47	257_CCB.d	AG AS BA CD CR PB SE
CCV 27	1	23-Aug-2023 00:52	259_CCV.d	AG AS BA CD CR PB SE
CCB 24	1	23-Aug-2023 00:54	260_CCB.d	AG AS BA CD CR PB SE
LLCCV2	1	23-Aug-2023 00:56	261LCV2.d	AG AS BA CD CR PB SE
LLCCV5	1	23-Aug-2023 00:59	262LCV5.d	AG AS BA CD CR PB SE
ICSA	1	23-Aug-2023 01:01	263ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	23-Aug-2023 01:03	264ICSB.d	AG AS BA CD CR PB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Run ID:ICPMS07_444483
Instrument:ICPMS07
Method:SW6020A

CCB 1	Date: 21-Aug-2023 17:21	Seq: 7501788	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.527	0.4	2	
Cadmium	0.285	0.2	2	
Selenium	1.461	1.1	2	

CCB 3	Date: 21-Aug-2023 18:29	Seq: 7501820	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.231	1.1	2	

CCB 4	Date: 21-Aug-2023 18:39	Seq: 7501835	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	0.243	0.2	2	
Selenium	1.224	1.1	2	

CCB 5	Date: 21-Aug-2023 19:07	Seq: 7501847	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Lead	3.265	0.6	2	

CCB 6	Date: 21-Aug-2023 19:27	Seq: 7501854	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Lead	0.785	0.6	2	
Selenium	1.993	1.1	2	

CCB 9	Date: 21-Aug-2023 20:37	Seq: 7501931	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.16	1.1	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Run ID:ICPMS07_444566
Instrument:ICPMS07
Method:SW6020A

CCB 6	Date: 22-Aug-2023 17:13	Seq: 7503968	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.201	1.1	2	

CCB 13	Date: 22-Aug-2023 20:54	Seq: 7504144	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Lead	0.722	0.6	2	
Selenium	1.41	1.1	2	

CCB 15	Date: 22-Aug-2023 21:50	Seq: 7504192	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	2.551	1.1	2	

CCB 16	Date: 22-Aug-2023 22:05	Seq: 7504197	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	2.665	1.1	2	

CCB 17	Date: 22-Aug-2023 22:24	Seq: 7504206	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	2.179	1.1	2	

CCB 20	Date: 22-Aug-2023 23:30	Seq: 7504244	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.321	1.1	2	

CCB 22	Date: 23-Aug-2023 00:19	Seq: 7504626	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.477	1.1	2	

CCB 23	Date: 23-Aug-2023 00:47	Seq: 7504638	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	-2.507	1.1	2	

CCB 24	Date: 23-Aug-2023 00:54	Seq: 7504641	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	-2.037	1.1	2	

Client: WSP Golder
Project: Frisco CDC Interim Action
Work Order: HS23081099

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23081099-01	SDAS009-1	Soil		14-Aug-2023 09:20	16-Aug-2023 09:45	
HS23081099-02	SDAS001-002-1	Soil		14-Aug-2023 10:45	16-Aug-2023 09:45	
HS23081099-03	SP-69	Soil		14-Aug-2023 11:05	16-Aug-2023 09:45	
HS23081099-04	SP-70	Soil		14-Aug-2023 11:08	16-Aug-2023 09:45	
HS23081099-05	SP-71	Soil		14-Aug-2023 11:11	16-Aug-2023 09:45	
HS23081099-06	SP-72	Soil		14-Aug-2023 11:15	16-Aug-2023 09:45	
HS23081099-07	SP-73	Soil		14-Aug-2023 11:17	16-Aug-2023 09:45	
HS23081099-08	SP-74	Soil		14-Aug-2023 11:20	16-Aug-2023 09:45	
HS23081099-09	SDAS008-1	Soil		14-Aug-2023 12:00	16-Aug-2023 09:45	
HS23081099-10	SP-75	Soil		14-Aug-2023 13:11	16-Aug-2023 09:45	
HS23081099-11	SP-76	Soil		14-Aug-2023 13:14	16-Aug-2023 09:45	
HS23081099-12	SP-77	Soil		14-Aug-2023 13:16	16-Aug-2023 09:45	
HS23081099-13	SP-78	Soil		14-Aug-2023 14:38	16-Aug-2023 09:45	
HS23081099-14	SP-79	Soil		14-Aug-2023 16:48	16-Aug-2023 09:45	
HS23081099-15	SP-80	Soil		14-Aug-2023 16:52	16-Aug-2023 09:45	
HS23081099-16	SP-81	Soil		14-Aug-2023 16:55	16-Aug-2023 09:45	
HS23081099-17	SP-82	Soil		14-Aug-2023 17:05	16-Aug-2023 09:45	
HS23081099-18	SP-83	Soil		15-Aug-2023 10:03	16-Aug-2023 09:45	
HS23081099-19	SP-84	Soil		15-Aug-2023 10:06	16-Aug-2023 09:45	
HS23081099-20	SP-85	Soil		15-Aug-2023 10:10	16-Aug-2023 09:45	
HS23081099-21	SP-86	Soil		15-Aug-2023 10:13	16-Aug-2023 09:45	
HS23081099-22	SP-87	Soil		15-Aug-2023 13:25	16-Aug-2023 09:45	
HS23081099-23	SP-88	Soil		15-Aug-2023 13:27	16-Aug-2023 09:45	
HS23081099-24	SP-89	Soil		15-Aug-2023 13:30	16-Aug-2023 09:45	
HS23081099-25	SP-90	Soil		15-Aug-2023 13:34	16-Aug-2023 09:45	
HS23081099-26	SP-91	Soil		15-Aug-2023 13:38	16-Aug-2023 09:45	

Client: WSP Golder
Project: Frisco CDC Interim Action
Work Order: HS23081099

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23081099-27	SP-92	Soil		15-Aug-2023 15:34	16-Aug-2023 09:45	☐
HS23081099-28	SP-93	Soil		15-Aug-2023 15:36	16-Aug-2023 09:45	☐
HS23081099-29	SP-94	Soil		15-Aug-2023 15:40	16-Aug-2023 09:45	☐
HS23081099-30	SDAS007-1	Soil		15-Aug-2023 16:40	16-Aug-2023 09:45	☐
HS23081099-31	SP-95	Soil		15-Aug-2023 17:10	16-Aug-2023 09:45	☐
HS23081099-32	SP-96	Soil		15-Aug-2023 17:14	16-Aug-2023 09:45	☐
HS23081099-33	SP-97	Soil		15-Aug-2023 17:18	16-Aug-2023 09:45	☐

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS009-1
Collection Date: 14-Aug-2023 09:20

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 21-Aug-2023		Analyst: JC
Antimony	**0.606**		**0.0705**	**0.543**	**mg/Kg-dry**	1	21-Aug-2023 21:00
Arsenic	**13.3**		**0.0760**	**0.543**	**mg/Kg-dry**	1	21-Aug-2023 21:00
Cadmium	**0.691**		**0.0293**	**0.543**	**mg/Kg-dry**	1	21-Aug-2023 21:00
Lead	**176**		**0.0141**	**0.543**	**mg/Kg-dry**	1	21-Aug-2023 21:00
Selenium	**1.36**		**0.0987**	**0.543**	**mg/Kg-dry**	1	21-Aug-2023 21:00
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.5**		**0.0100**	**0.0100**	**wt%**	1	22-Aug-2023 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS001-002-1
Collection Date: 14-Aug-2023 10:45

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 21-Aug-2023		Analyst: JC
Antimony	**0.629**		**0.0689**	**0.530**	**mg/Kg-dry**	1	21-Aug-2023 21:07
Arsenic	**10.8**		**0.0742**	**0.530**	**mg/Kg-dry**	1	21-Aug-2023 21:07
Cadmium	**1.20**		**0.0286**	**0.530**	**mg/Kg-dry**	1	21-Aug-2023 21:07
Lead	**223**		**0.276**	**10.6**	**mg/Kg-dry**	20	22-Aug-2023 12:32
Selenium	**1.25**		**0.0965**	**0.530**	**mg/Kg-dry**	1	21-Aug-2023 21:07
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**10.0**		**0.0100**	**0.0100**	**wt%**	1	22-Aug-2023 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-69
Collection Date: 14-Aug-2023 11:05

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:08
Barium	**0.136**	J	**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:08
Cadmium	**0.00317**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:08
Chromium	**0.0105**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:08
Lead	**0.0417**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:08
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:08
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:08
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-70
Collection Date: 14-Aug-2023 11:08

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:24
Barium	**0.242**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:24
Cadmium	**0.00425**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:24
Chromium	**0.00412**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:24
Lead	**0.0230**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:24
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:24
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:24
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-71
Collection Date: 14-Aug-2023 11:11

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:27
Barium	**0.370**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:27
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:27
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:27
Lead	**0.00672**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:27
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:27
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:27
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:06

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-72
Collection Date: 14-Aug-2023 11:15

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:29
Barium	**0.858**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:29
Cadmium	**0.0161**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:29
Chromium	**0.00499**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:29
Lead	**0.570**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:29
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:29
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:29
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:07

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-73
Collection Date: 14-Aug-2023 11:17

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:31
Barium	**0.575**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:31
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:31
Chromium	**0.00421**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:31
Lead	**0.0104**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:31
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:31
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:31
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:14

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-74
Collection Date: 14-Aug-2023 11:20

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:34
Barium	**0.370**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:34
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:34
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:34
Lead	U		0.00600	0.0500	mg/L	1	22-Aug-2023 21:34
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:34
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:34
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:16

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS008-1
Collection Date: 14-Aug-2023 12:00

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 21-Aug-2023		Analyst: JC
Antimony	**0.497**	J	**0.0746**	**0.574**	**mg/Kg-dry**	1	21-Aug-2023 21:09
Arsenic	**9.58**		**0.0803**	**0.574**	**mg/Kg-dry**	1	21-Aug-2023 21:09
Cadmium	**0.455**	J	**0.0310**	**0.574**	**mg/Kg-dry**	1	21-Aug-2023 21:09
Lead	**69.9**		**0.0149**	**0.574**	**mg/Kg-dry**	1	21-Aug-2023 21:09
Selenium	**1.26**		**0.104**	**0.574**	**mg/Kg-dry**	1	21-Aug-2023 21:09
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.5**		**0.0100**	**0.0100**	**wt%**	1	22-Aug-2023 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-75
Collection Date: 14-Aug-2023 13:11

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:36
Barium	**0.568**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:36
Cadmium	**0.00330**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:36
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:36
Lead	**0.0960**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:36
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:36
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:36
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-76
Collection Date: 14-Aug-2023 13:14

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	**0.00458**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:38
Barium	**0.472**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:38
Cadmium	**0.00454**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:38
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:38
Lead	**0.174**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:38
Selenium	**0.0118**	J	**0.0110**	**0.0500**	**mg/L**	1	22-Aug-2023 21:38
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:38
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-77
Collection Date: 14-Aug-2023 13:16

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:41
Barium	**0.955**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:41
Cadmium	**0.0468**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:41
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:41
Lead	**9.39**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:41
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:41
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:41
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:21

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-78
Collection Date: 14-Aug-2023 14:38

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	**0.0201**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 21:43
Barium	**1.09**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:43
Cadmium	**0.148**		**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:43
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:43
Lead	**46.1**		**0.120**	**1.00**	**mg/L**	20	23-Aug-2023 12:08
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:43
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:43
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-79
Collection Date: 14-Aug-2023 16:48

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:45
Barium	**0.484**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:45
Cadmium	**0.00713**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:45
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:45
Lead	**0.233**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:45
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:45
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:45
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-80
Collection Date: 14-Aug-2023 16:52

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-15
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:52
Barium	**0.487**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:52
Cadmium	**0.0102**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:52
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:52
Lead	**0.504**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:52
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:52
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 12:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-81
Collection Date: 14-Aug-2023 16:55

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-16
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:56
Barium	**0.717**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:56
Cadmium	**0.0159**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:56
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:56
Lead	**0.826**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:56
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:56
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:56
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-82
Collection Date: 14-Aug-2023 17:05

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-17
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:58
Barium	**0.406**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 21:58
Cadmium	**0.00207**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 21:58
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 21:58
Lead	**0.0724**		**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 21:58
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 21:58
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 21:58
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:09

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-83
Collection Date: 15-Aug-2023 10:03

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-18
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:01
Barium	**0.496**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:01
Cadmium	**0.00213**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 22:01
Chromium	**0.00419**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 22:01
Lead	**0.0196**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 22:01
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 23:18
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:01
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-84
Collection Date: 15-Aug-2023 10:06

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-19
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:08
Barium	**0.396**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:08
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:08
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:08
Lead	U		0.00600	0.0500	mg/L	1	22-Aug-2023 22:08
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 22:08
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:08
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-85
Collection Date: 15-Aug-2023 10:10

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-20
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:10
Barium	**0.380**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:10
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:10
Chromium	**0.00503**	J	**0.00400**	**0.0500**	**mg/L**	1	22-Aug-2023 22:10
Lead	U		0.00600	0.0500	mg/L	1	22-Aug-2023 22:10
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 22:10
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:10
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-86
Collection Date: 15-Aug-2023 10:13

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-21
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:12
Barium	**0.378**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:12
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:12
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:12
Lead	**0.0206**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 22:12
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 23:21
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:12
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:22

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-87
Collection Date: 15-Aug-2023 13:25

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-22
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:15
Barium	**0.299**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:15
Cadmium	**0.00242**	J	**0.00200**	**0.0500**	**mg/L**	1	22-Aug-2023 22:15
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:15
Lead	**0.0332**	J	**0.00600**	**0.0500**	**mg/L**	1	22-Aug-2023 22:15
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 23:23
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:15
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:24

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-88
Collection Date: 15-Aug-2023 13:27

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-23
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:17
Barium	**0.529**		**0.0190**	**0.200**	**mg/L**	1	22-Aug-2023 22:17
Cadmium	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:17
Chromium	U		0.00400	0.0500	mg/L	1	22-Aug-2023 22:17
Lead	U		0.00600	0.0500	mg/L	1	22-Aug-2023 22:17
Selenium	U		0.0110	0.0500	mg/L	1	22-Aug-2023 23:25
Silver	U		0.00200	0.0500	mg/L	1	22-Aug-2023 22:17
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-89
Collection Date: 15-Aug-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-24
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 13:49
Barium	**0.441**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 13:49
Cadmium	U		0.00200	0.0500	mg/L	1	23-Aug-2023 13:49
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 13:49
Lead	**0.0145**	J	**0.00600**	**0.0500**	**mg/L**	1	23-Aug-2023 13:49
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 13:49
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:09
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-90
Collection Date: 15-Aug-2023 13:34

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-25
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:02
Barium	**0.370**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:02
Cadmium	**0.00283**	J	**0.00200**	**0.0500**	**mg/L**	1	23-Aug-2023 14:02
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:02
Lead	**0.0321**	J	**0.00600**	**0.0500**	**mg/L**	1	23-Aug-2023 14:02
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:02
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:34
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-91
Collection Date: 15-Aug-2023 13:38

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-26
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:04
Barium	**0.405**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:04
Cadmium	**0.00612**	J	**0.00200**	**0.0500**	**mg/L**	1	23-Aug-2023 14:04
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:04
Lead	**0.0480**	J	**0.00600**	**0.0500**	**mg/L**	1	23-Aug-2023 14:04
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:04
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:37
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-92
Collection Date: 15-Aug-2023 15:34

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-27
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:07
Barium	**0.492**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:07
Cadmium	U		0.00200	0.0500	mg/L	1	23-Aug-2023 14:07
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:07
Lead	U		0.00600	0.0500	mg/L	1	23-Aug-2023 14:07
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:07
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:43
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-93
Collection Date: 15-Aug-2023 15:36

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-28
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:18
Barium	**0.370**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:18
Cadmium	U		0.00200	0.0500	mg/L	1	23-Aug-2023 14:18
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:18
Lead	U		0.00600	0.0500	mg/L	1	23-Aug-2023 14:18
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:18
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:45
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-94
Collection Date: 15-Aug-2023 15:40

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-29
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:20
Barium	**0.386**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:20
Cadmium	U		0.00200	0.0500	mg/L	1	23-Aug-2023 14:20
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:20
Lead	U		0.00600	0.0500	mg/L	1	23-Aug-2023 14:20
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:20
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:47
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS007-1
Collection Date: 15-Aug-2023 16:40

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-30
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 21-Aug-2023		Analyst: JC
Antimony	**0.0927**	J	**0.0757**	**0.583**	**mg/Kg-dry**	1	21-Aug-2023 21:12
Arsenic	**10.1**		**0.0816**	**0.583**	**mg/Kg-dry**	1	21-Aug-2023 21:12
Cadmium	**0.293**	J	**0.0315**	**0.583**	**mg/Kg-dry**	1	21-Aug-2023 21:12
Lead	**13.1**		**0.0151**	**0.583**	**mg/Kg-dry**	1	21-Aug-2023 21:12
Selenium	**1.34**		**0.106**	**0.583**	**mg/Kg-dry**	1	21-Aug-2023 21:12
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.4**		**0.0100**	**0.0100**	**wt%**	1	22-Aug-2023 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-95
Collection Date: 15-Aug-2023 17:10

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-31
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:22
Barium	**0.169**	J	**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:22
Cadmium	U		0.00200	0.0500	mg/L	1	23-Aug-2023 14:22
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:22
Lead	U		0.00600	0.0500	mg/L	1	23-Aug-2023 14:22
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:22
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:50
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-96
Collection Date: 15-Aug-2023 17:14

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-32
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:24
Barium	**0.754**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:24
Cadmium	**0.0126**	J	**0.00200**	**0.0500**	**mg/L**	1	23-Aug-2023 14:24
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:24
Lead	**0.588**		**0.00600**	**0.0500**	**mg/L**	1	23-Aug-2023 14:24
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:24
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-97
Collection Date: 15-Aug-2023 17:18

ANALYTICAL REPORT
WorkOrder:HS23081099
Lab ID:HS23081099-33
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 22-Aug-2023	Prep:SW3010A / 22-Aug-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:27
Barium	**0.310**		**0.0190**	**0.200**	**mg/L**	1	23-Aug-2023 14:27
Cadmium	**0.00224**	J	**0.00200**	**0.0500**	**mg/L**	1	23-Aug-2023 14:27
Chromium	U		0.00400	0.0500	mg/L	1	23-Aug-2023 14:27
Lead	**0.00743**	J	**0.00600**	**0.0500**	**mg/L**	1	23-Aug-2023 14:27
Selenium	U		0.0110	0.0500	mg/L	1	23-Aug-2023 14:27
Silver	U		0.00200	0.0500	mg/L	1	23-Aug-2023 20:54
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 22-Aug-2023	Prep:SW7470A / 23-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	23-Aug-2023 13:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Batch ID: 199169 **Start Date:** 21 Aug 2023 08:30 **End Date:** 21 Aug 2023 08:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-01		0.5453 (g)	50 (mL)	91.69	4-oz glass, Neat
HS23081099-02		0.524 (g)	50 (mL)	95.42	4-oz glass, Neat
HS23081099-09		0.5412 (g)	50 (mL)	92.39	4-oz glass, Neat
HS23081099-30		0.5324 (g)	50 (mL)	93.91	4-oz glass, Neat

Batch ID: 199294 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-21		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-22		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-27		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199295 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-28		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-31		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-33		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Batch ID: 199296 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-17		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-21		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-22		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-23		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-24		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-25		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-26		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-27		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199297 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-28		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-29		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-31		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-33		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199298 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-13		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-32		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Batch ID: 199299 **Start Date:** 21 Aug 2023 15:00 **End Date:** 21 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-13		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081099-32		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199335 **Start Date:** 22 Aug 2023 13:30 **End Date:** 22 Aug 2023 13:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-12		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-13		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-14		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-15		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-16		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-17		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-18		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-19		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-20		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-21		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-22		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-23		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 199336 **Start Date:** 22 Aug 2023 13:30 **End Date:** 22 Aug 2023 13:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-24		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-25		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-26		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-27		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-28		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-29		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-31		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-32		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081099-33		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

Batch ID: 199371 **Start Date:** 23 Aug 2023 08:00 **End Date:** 23 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-12		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-13		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-14		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-15		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 199383 **Start Date:** 23 Aug 2023 08:00 **End Date:** 23 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081099-16		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-17		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-18		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-19		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-20		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-21		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-22		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-23		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-24		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-25		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-26		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-27		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-28		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-29		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-31		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-32		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081099-33		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199169 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23081099-01	SDAS009-1	14 Aug 2023 09:20		21 Aug 2023 08:30	21 Aug 2023 21:00	1
HS23081099-02	SDAS001-002-1	14 Aug 2023 10:45		21 Aug 2023 08:30	22 Aug 2023 12:32	20
HS23081099-02	SDAS001-002-1	14 Aug 2023 10:45		21 Aug 2023 08:30	21 Aug 2023 21:07	1
HS23081099-09	SDAS008-1	14 Aug 2023 12:00		21 Aug 2023 08:30	21 Aug 2023 21:09	1
HS23081099-30	SDAS007-1	15 Aug 2023 16:40		21 Aug 2023 08:30	21 Aug 2023 21:12	1
Batch ID: 199335 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23081099-03	SP-69	14 Aug 2023 11:05	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:08	1
HS23081099-04	SP-70	14 Aug 2023 11:08	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:24	1
HS23081099-05	SP-71	14 Aug 2023 11:11	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:27	1
HS23081099-06	SP-72	14 Aug 2023 11:15	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:29	1
HS23081099-07	SP-73	14 Aug 2023 11:17	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:31	1
HS23081099-08	SP-74	14 Aug 2023 11:20	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:34	1
HS23081099-10	SP-75	14 Aug 2023 13:11	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:36	1
HS23081099-11	SP-76	14 Aug 2023 13:14	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:38	1
HS23081099-12	SP-77	14 Aug 2023 13:16	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:41	1
HS23081099-13	SP-78	14 Aug 2023 14:38	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 12:08	20
HS23081099-13	SP-78	14 Aug 2023 14:38	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:43	1
HS23081099-14	SP-79	14 Aug 2023 16:48	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:45	1
HS23081099-15	SP-80	14 Aug 2023 16:52	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:52	1
HS23081099-16	SP-81	14 Aug 2023 16:55	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:56	1
HS23081099-17	SP-82	14 Aug 2023 17:05	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 21:58	1
HS23081099-18	SP-83	15 Aug 2023 10:03	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 23:18	1
HS23081099-18	SP-83	15 Aug 2023 10:03	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:01	1
HS23081099-19	SP-84	15 Aug 2023 10:06	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:08	1
HS23081099-20	SP-85	15 Aug 2023 10:10	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:10	1
HS23081099-21	SP-86	15 Aug 2023 10:13	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 23:21	1
HS23081099-21	SP-86	15 Aug 2023 10:13	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:12	1
HS23081099-22	SP-87	15 Aug 2023 13:25	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 23:23	1
HS23081099-22	SP-87	15 Aug 2023 13:25	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:15	1
HS23081099-23	SP-88	15 Aug 2023 13:27	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 23:25	1
HS23081099-23	SP-88	15 Aug 2023 13:27	22 Aug 2023 08:00	22 Aug 2023 13:30	22 Aug 2023 22:17	1

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199336 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23081099-24	SP-89	15 Aug 2023 13:30	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:09	1
HS23081099-24	SP-89	15 Aug 2023 13:30	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 13:49	1
HS23081099-25	SP-90	15 Aug 2023 13:34	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:34	1
HS23081099-25	SP-90	15 Aug 2023 13:34	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:02	1
HS23081099-26	SP-91	15 Aug 2023 13:38	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:37	1
HS23081099-26	SP-91	15 Aug 2023 13:38	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:04	1
HS23081099-27	SP-92	15 Aug 2023 15:34	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:43	1
HS23081099-27	SP-92	15 Aug 2023 15:34	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:07	1
HS23081099-28	SP-93	15 Aug 2023 15:36	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:45	1
HS23081099-28	SP-93	15 Aug 2023 15:36	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:18	1
HS23081099-29	SP-94	15 Aug 2023 15:40	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:47	1
HS23081099-29	SP-94	15 Aug 2023 15:40	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:20	1
HS23081099-31	SP-95	15 Aug 2023 17:10	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:50	1
HS23081099-31	SP-95	15 Aug 2023 17:10	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:22	1
HS23081099-32	SP-96	15 Aug 2023 17:14	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:52	1
HS23081099-32	SP-96	15 Aug 2023 17:14	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:24	1
HS23081099-33	SP-97	15 Aug 2023 17:18	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 20:54	1
HS23081099-33	SP-97	15 Aug 2023 17:18	22 Aug 2023 08:00	22 Aug 2023 13:30	23 Aug 2023 14:27	1
Batch ID: 199371 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23081099-03	SP-69	14 Aug 2023 11:05	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:02	1
HS23081099-04	SP-70	14 Aug 2023 11:08	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:04	1
HS23081099-05	SP-71	14 Aug 2023 11:11	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:06	1
HS23081099-06	SP-72	14 Aug 2023 11:15	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:07	1
HS23081099-07	SP-73	14 Aug 2023 11:17	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:14	1
HS23081099-08	SP-74	14 Aug 2023 11:20	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:16	1
HS23081099-10	SP-75	14 Aug 2023 13:11	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:17	1
HS23081099-11	SP-76	14 Aug 2023 13:14	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:19	1
HS23081099-12	SP-77	14 Aug 2023 13:16	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:21	1
HS23081099-13	SP-78	14 Aug 2023 14:38	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:23	1
HS23081099-14	SP-79	14 Aug 2023 16:48	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:24	1
HS23081099-15	SP-80	14 Aug 2023 16:52	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 12:26	1

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199383 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23081099-16	SP-81	14 Aug 2023 16:55	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:00	1
HS23081099-17	SP-82	14 Aug 2023 17:05	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:09	1
HS23081099-18	SP-83	15 Aug 2023 10:03	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:17	1
HS23081099-19	SP-84	15 Aug 2023 10:06	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:19	1
HS23081099-20	SP-85	15 Aug 2023 10:10	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:20	1
HS23081099-21	SP-86	15 Aug 2023 10:13	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:22	1
HS23081099-22	SP-87	15 Aug 2023 13:25	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:24	1
HS23081099-23	SP-88	15 Aug 2023 13:27	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:26	1
HS23081099-24	SP-89	15 Aug 2023 13:30	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:27	1
HS23081099-25	SP-90	15 Aug 2023 13:34	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:29	1
HS23081099-26	SP-91	15 Aug 2023 13:38	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:31	1
HS23081099-27	SP-92	15 Aug 2023 15:34	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:32	1
HS23081099-28	SP-93	15 Aug 2023 15:36	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:39	1
HS23081099-29	SP-94	15 Aug 2023 15:40	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:41	1
HS23081099-31	SP-95	15 Aug 2023 17:10	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:43	1
HS23081099-32	SP-96	15 Aug 2023 17:14	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:44	1
HS23081099-33	SP-97	15 Aug 2023 17:18	22 Aug 2023 08:00	23 Aug 2023 08:00	23 Aug 2023 13:46	1
Batch ID: R444621 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23081099-01	SDAS009-1	14 Aug 2023 09:20			22 Aug 2023 14:47	1
HS23081099-02	SDAS001-002-1	14 Aug 2023 10:45			22 Aug 2023 14:47	1
HS23081099-09	SDAS008-1	14 Aug 2023 12:00			22 Aug 2023 14:47	1
HS23081099-30	SDAS007-1	15 Aug 2023 16:40			22 Aug 2023 14:47	1

WorkOrder: HS23081099
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23081099
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.000993	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.000980	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.126	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.000969	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00101	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00165	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000979	0.000200	0.00500

WorkOrder: HS23081099
InstrumentID: ICPMS07
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.109	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.112	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.110	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	0.200	0.243	0.0910	0.500

WorkOrder: HS23081099
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199169 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-199169** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:18**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501923** PrepDate: **21-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	U	0.498								
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	0.2225	0.498								J

LCS Sample ID: **LCS-199169** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:21**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501924** PrepDate: **21-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.927	0.499	9.976	0	99.5	80 - 120				
Arsenic	9.911	0.499	9.976	0	99.3	80 - 120				
Cadmium	9.846	0.499	9.976	0	98.7	80 - 120				
Lead	9.41	0.499	9.976	0	94.3	80 - 120				
Selenium	9.817	0.499	9.976	0	98.4	80 - 120				

MS Sample ID: **HS23080982-01MS** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:28**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501927** PrepDate: **21-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.39	0.462	9.232	0.1272	24.5	75 - 125				S
Arsenic	11.78	0.462	9.232	5.805	64.7	75 - 125				S
Cadmium	8.942	0.462	9.232	0.03717	96.5	75 - 125				
Lead	17.73	0.462	9.232	7.937	106	75 - 125				
Selenium	9.393	0.462	9.232	1.845	81.8	75 - 125				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199169 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23080982-01MSD** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:30**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501928** PrepDate: **21-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.371	0.462	9.249	0.1272	24.3	75 - 125	2.39	0.797	20	S
Arsenic	12.12	0.462	9.249	5.805	68.2	75 - 125	11.78	2.79	20	S
Cadmium	8.696	0.462	9.249	0.03717	93.6	75 - 125	8.942	2.79	20	
Lead	17.82	0.462	9.249	7.937	107	75 - 125	17.73	0.549	20	
Selenium	9.543	0.462	9.249	1.845	83.2	75 - 125	9.393	1.59	20	

PDS Sample ID: **HS23080982-01PDS** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:32**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501929** PrepDate: **21-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.689	0.493	9.86	0.1272	97.0	75 - 125				
Arsenic	15.42	0.493	9.86	5.805	97.5	75 - 125				
Cadmium	9.365	0.493	9.86	0.03717	94.6	75 - 125				
Lead	18.35	0.493	9.86	7.937	106	75 - 125				
Selenium	11.24	0.493	9.86	1.845	95.3	75 - 125				

SD Sample ID: **HS23080982-01SD** Units: **mg/Kg** Analysis Date: **21-Aug-2023 20:25**
Client ID: Run ID: **ICPMS07_444483** SeqNo: **7501926** PrepDate: **21-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	2.46					0.1272	0	10	
Arsenic	6.105	2.46					5.805	5.18	10	
Cadmium	U	2.46					0.03717	0	10	
Lead	8.036	2.46					7.937	1.24	10	
Selenium	2.537	2.46					1.845	0	10	

The following samples were analyzed in this batch: HS23081099-01 HS23081099-02 HS23081099-09 HS23081099-30

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199335 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199299** Units: **mg/L** Analysis Date: **22-Aug-2023 21:01**
Client ID: Run ID: **ICPMS07_444566** SeqNo: **7504147** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-199297** Units: **mg/L** Analysis Date: **22-Aug-2023 21:03**
Client ID: Run ID: **ICPMS07_444566** SeqNo: **7504148** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199296** Units: **mg/L** Analysis Date: **22-Aug-2023 20:59**
Client ID: Run ID: **ICPMS07_444566** SeqNo: **7504146** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	0.00607	0.0500								J
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199335 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLK-199335** Units: **mg/L** Analysis Date: **22-Aug-2023 20:57**
Client ID: Run ID: **ICPMS07_444566** SeqNo: **7504145** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	0.000444	0.00500								J
Lead	0.000737	0.00500								J
Selenium	U	0.00500								
Silver	U	0.00500								

LCS Sample ID: **LCS-199335** Units: **mg/L** Analysis Date: **22-Aug-2023 21:06**
Client ID: Run ID: **ICPMS07_444566** SeqNo: **7504149** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04453	0.00500	0.05	0	89.1	80 - 120				
Barium	0.04538	0.0200	0.05	0	90.8	80 - 120				
Cadmium	0.04462	0.00500	0.05	0	89.2	80 - 120				
Chromium	0.04454	0.00500	0.05	0	89.1	80 - 120				
Lead	0.04397	0.00500	0.05	0	87.9	80 - 120				
Selenium	0.04469	0.00500	0.05	0	89.4	80 - 120				
Silver	0.04372	0.00500	0.05	0	87.4	80 - 120				

MS Sample ID: **HS23081099-03MS** Units: **mg/L** Analysis Date: **22-Aug-2023 21:13**
Client ID: **SP-69** Run ID: **ICPMS07_444566** SeqNo: **7504152** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4596	0.0500	0.5	-0.00008	91.9	80 - 120				
Barium	0.5986	0.200	0.5	0.136	92.5	80 - 120				
Cadmium	0.4467	0.0500	0.5	0.00317	88.7	80 - 120				
Chromium	0.4625	0.0500	0.5	0.01054	90.4	80 - 120				
Lead	0.4803	0.0500	0.5	0.04168	87.7	80 - 120				
Selenium	0.4666	0.0500	0.5	0.00455	92.4	80 - 120				
Silver	0.4347	0.0500	0.5	0.00003	86.9	80 - 120				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199335 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MSD Sample ID: **HS23081099-03MSD** Units: **mg/L** Analysis Date: **22-Aug-2023 21:15**
Client ID: **SP-69** Run ID: **ICPMS07_444566** SeqNo: **7504153** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4549	0.0500	0.5	-0.00008	91.0	80 - 120	0.4596	1.03	20	
Barium	0.5951	0.200	0.5	0.136	91.8	80 - 120	0.5986	0.581	20	
Cadmium	0.4522	0.0500	0.5	0.00317	89.8	80 - 120	0.4467	1.23	20	
Chromium	0.4556	0.0500	0.5	0.01054	89.0	80 - 120	0.4625	1.51	20	
Lead	0.483	0.0500	0.5	0.04168	88.3	80 - 120	0.4803	0.571	20	
Selenium	0.4557	0.0500	0.5	0.00455	90.2	80 - 120	0.4666	2.38	20	
Silver	0.4368	0.0500	0.5	0.00003	87.4	80 - 120	0.4347	0.484	20	

PDS Sample ID: **HS23081099-03PDS** Units: **mg/L** Analysis Date: **22-Aug-2023 21:17**
Client ID: **SP-69** Run ID: **ICPMS07_444566** SeqNo: **7504154** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.9016	0.0500	1	-0.00008	90.2	75 - 125				
Barium	1.041	0.200	1	0.136	90.5	75 - 125				
Cadmium	0.8922	0.0500	1	0.00317	88.9	75 - 125				
Chromium	0.9054	0.0500	1	0.01054	89.5	75 - 125				
Lead	0.9028	0.0500	1	0.04168	86.1	75 - 125				
Selenium	0.8999	0.0500	1	0.00455	89.5	75 - 125				
Silver	0.875	0.0500	1	0.00003	87.5	75 - 125				

SD Sample ID: **HS23081099-03SD** Units: **mg/L** Analysis Date: **22-Aug-2023 21:10**
Client ID: **SP-69** Run ID: **ICPMS07_444566** SeqNo: **7504151** PrepDate: **22-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					-0.00008	0	10	
Barium	0.1358	1.00					0.136	0	10	J
Cadmium	U	0.250					0.00317	0	10	
Chromium	U	0.250					0.01054	0	10	
Lead	0.04654	0.250					0.04168	0	10	J
Selenium	U	0.250					0.00455	0	10	
Silver	U	0.250					0.00003	0	10	

The following samples were analyzed in this batch:

HS23081099-03	HS23081099-04	HS23081099-05	HS23081099-06
HS23081099-07	HS23081099-08	HS23081099-10	HS23081099-11
HS23081099-12	HS23081099-13	HS23081099-14	HS23081099-15
HS23081099-16	HS23081099-17	HS23081099-18	HS23081099-19
HS23081099-20	HS23081099-21	HS23081099-22	HS23081099-23

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199297** Units: **mg/L** Analysis Date: **23-Aug-2023 12:53**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7505210** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								

MBLK Sample ID: **MBLKT3-198910** Units: **mg/L** Analysis Date: **23-Aug-2023 19:53**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506251** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-199228** Units: **mg/L** Analysis Date: **23-Aug-2023 12:58**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7505212** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT5-199069** Units: **mg/L** Analysis Date: **23-Aug-2023 13:00**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7505207** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								

MBLK Sample ID: **MBLKT6-198938** Units: **mg/L** Analysis Date: **23-Aug-2023 20:00**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506281** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT6-198938** Units: **mg/L** Analysis Date: **23-Aug-2023 13:02**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7505208** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT5-199069** Units: **mg/L** Analysis Date: **23-Aug-2023 19:58**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506253** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-199228** Units: **mg/L** Analysis Date: **23-Aug-2023 19:56**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506252** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-198910** Units: **mg/L** Analysis Date: **23-Aug-2023 12:56**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7505211** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199297** Units: **mg/L** Analysis Date: **23-Aug-2023 19:51**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506250** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199296** Units: **mg/L** Analysis Date: **23-Aug-2023 19:49**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506249** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199336** Units: **mg/L** Analysis Date: **23-Aug-2023 19:47**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506248** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199336** Units: **mg/L** Analysis Date: **23-Aug-2023 20:02**
Client ID: Run ID: **ICPMS07_444623** SeqNo: **7506282** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0506	0.00500	0.05	0	101	80 - 120				
Barium	0.0506	0.0200	0.05	0	101	80 - 120				
Cadmium	0.05165	0.00500	0.05	0	103	80 - 120				
Chromium	0.05	0.00500	0.05	0	100	80 - 120				
Lead	0.04819	0.00500	0.05	0	96.4	80 - 120				
Selenium	0.05066	0.00500	0.05	0	101	80 - 120				
Silver	0.04591	0.00500	0.05	0	91.8	80 - 120				

MS Sample ID: **HS23081099-24MS** Units: **mg/L** Analysis Date: **23-Aug-2023 13:54**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7505375** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5517	0.0500	0.5	0.00099	110	80 - 120				
Barium	0.9968	0.200	0.5	0.4414	111	80 - 120				
Cadmium	0.543	0.0500	0.5	0.00177	108	80 - 120				
Chromium	0.5449	0.0500	0.5	0.00003	109	80 - 120				
Lead	0.534	0.0500	0.5	0.0145	104	80 - 120				
Selenium	0.5288	0.0500	0.5	-0.00872	108	80 - 120				

MS Sample ID: **HS23081099-24MS** Units: **mg/L** Analysis Date: **23-Aug-2023 20:13**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7506287** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	0.4449	0.0500	0.5	-0.00061	89.1	80 - 120				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MSD Sample ID: **HS23081099-24MSD** Units: **mg/L** Analysis Date: **23-Aug-2023 13:56**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7505376** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5693	0.0500	0.5	0.00099	114	80 - 120	0.5517	3.14	20	
Barium	1.039	0.200	0.5	0.4414	120	80 - 120	0.9968	4.18	20	
Cadmium	0.5674	0.0500	0.5	0.00177	113	80 - 120	0.543	4.38	20	
Chromium	0.5592	0.0500	0.5	0.00003	112	80 - 120	0.5449	2.6	20	
Lead	0.5505	0.0500	0.5	0.0145	107	80 - 120	0.534	3.04	20	
Selenium	0.5366	0.0500	0.5	-0.00872	109	80 - 120	0.5288	1.46	20	

MSD Sample ID: **HS23081099-24MSD** Units: **mg/L** Analysis Date: **23-Aug-2023 20:15**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7506288** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	0.457	0.0500	0.5	-0.00061	91.5	80 - 120	0.4449	2.69	20	

PDS Sample ID: **HS23081099-24PDS** Units: **mg/L** Analysis Date: **23-Aug-2023 13:58**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7505377** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.091	0.0500	1	0.00099	109	75 - 125				
Barium	1.571	0.200	1	0.4414	113	75 - 125				
Cadmium	1.071	0.0500	1	0.00177	107	75 - 125				
Chromium	1.085	0.0500	1	0.00003	109	75 - 125				
Lead	1.035	0.0500	1	0.0145	102	75 - 125				
Selenium	1.065	0.0500	1	-0.00872	107	75 - 125				

PDS Sample ID: **HS23081099-24PDS** Units: **mg/L** Analysis Date: **23-Aug-2023 20:17**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7506289** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Silver	0.8802	0.0500	1	-0.00061	88.1	75 - 125				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199336 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23081099-24SD** Units: **mg/L** Analysis Date: **23-Aug-2023 13:51**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7505374** PrepDate: **22-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00099	0	10	
Barium	0.4529	1.00					0.4414	0	10	J
Cadmium	U	0.250					0.00177	0	10	
Chromium	U	0.250					0.00003	0	10	
Lead	U	0.250					0.0145	0	10	
Selenium	U	0.250					-0.00872	0	10	

SD Sample ID: **HS23081099-24SD** Units: **mg/L** Analysis Date: **23-Aug-2023 20:11**
Client ID: **SP-89** Run ID: **ICPMS07_444623** SeqNo: **7506286** PrepDate: **22-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Silver	U	0.250					-0.00061	0	10	

The following samples were analyzed in this batch: HS23081099-24 HS23081099-25 HS23081099-26 HS23081099-27 HS23081099-28 HS23081099-29 HS23081099-31 HS23081099-32 HS23081099-33

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199371 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199226** Units: **mg/L** Analysis Date: **23-Aug-2023 11:35**
Client ID: Run ID: **HG04_444674** SeqNo: **7505910** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199298** Units: **mg/L** Analysis Date: **23-Aug-2023 11:38**
Client ID: Run ID: **HG04_444674** SeqNo: **7505912** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199294** Units: **mg/L** Analysis Date: **23-Aug-2023 11:37**
Client ID: Run ID: **HG04_444674** SeqNo: **7505911** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-199308** Units: **mg/L** Analysis Date: **23-Aug-2023 11:33**
Client ID: Run ID: **HG04_444674** SeqNo: **7505909** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199371** Units: **mg/L** Analysis Date: **23-Aug-2023 11:30**
Client ID: Run ID: **HG04_444674** SeqNo: **7505907** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-199371** Units: **mg/L** Analysis Date: **23-Aug-2023 11:32**
Client ID: Run ID: **HG04_444674** SeqNo: **7505908** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00483	0.000200	0.005	0	96.6	80 - 120				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199371 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MS Sample ID: **HS23081096-01MS** Units: **mg/L** Analysis Date: **23-Aug-2023 11:44**
Client ID: Run ID: **HG04_444674** SeqNo: **7505915** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00465	0.000200	0.005	-0.000004	93.1	75 - 125				

MSD Sample ID: **HS23081096-01MSD** Units: **mg/L** Analysis Date: **23-Aug-2023 11:45**
Client ID: Run ID: **HG04_444674** SeqNo: **7505916** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00464	0.000200	0.005	-0.000004	92.9	75 - 125	0.00465	0.215	20	

The following samples were analyzed in this batch:

HS23081099-03	HS23081099-04	HS23081099-05	HS23081099-06
HS23081099-07	HS23081099-08	HS23081099-10	HS23081099-11
HS23081099-12	HS23081099-13	HS23081099-14	HS23081099-15

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199383 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199294** Units: **mg/L** Analysis Date: **23-Aug-2023 12:51**
Client ID: Run ID: **HG04_444674** SeqNo: **7505944** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199226** Units: **mg/L** Analysis Date: **23-Aug-2023 12:55**
Client ID: Run ID: **HG04_444674** SeqNo: **7505946** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-198937** Units: **mg/L** Analysis Date: **23-Aug-2023 12:57**
Client ID: Run ID: **HG04_444674** SeqNo: **7505947** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199295** Units: **mg/L** Analysis Date: **23-Aug-2023 12:53**
Client ID: Run ID: **HG04_444674** SeqNo: **7505945** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-199298** Units: **mg/L** Analysis Date: **23-Aug-2023 12:50**
Client ID: Run ID: **HG04_444674** SeqNo: **7505943** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199383** Units: **mg/L** Analysis Date: **23-Aug-2023 12:28**
Client ID: Run ID: **HG04_444674** SeqNo: **7505939** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: 199383 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199383** Units: **mg/L** Analysis Date: **23-Aug-2023 12:29**
Client ID: Run ID: **HG04_444674** SeqNo: **7505940** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00556	0.000200	0.005	0	111	80 - 120				

MS Sample ID: **HS23081099-16MS** Units: **mg/L** Analysis Date: **23-Aug-2023 13:04**
Client ID: **SP-81** Run ID: **HG04_444674** SeqNo: **7505878** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00481	0.000200	0.005	0.000005	96.1	75 - 125				

MSD Sample ID: **HS23081099-16MSD** Units: **mg/L** Analysis Date: **23-Aug-2023 13:08**
Client ID: **SP-81** Run ID: **HG04_444674** SeqNo: **7505879** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00488	0.000200	0.005	0.000005	97.5	75 - 125	0.00481	1.44	20	

The following samples were analyzed in this batch:

HS23081099-16	HS23081099-17	HS23081099-18	HS23081099-19
HS23081099-20	HS23081099-21	HS23081099-22	HS23081099-23
HS23081099-24	HS23081099-25	HS23081099-26	HS23081099-27
HS23081099-28	HS23081099-29	HS23081099-31	HS23081099-32
HS23081099-33			

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081099

QC BATCH REPORT

Batch ID: **R444621 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23081099-09DUP** Units: **wt%** Analysis Date: **22-Aug-2023 14:47**
Client ID: **SDAS008-1** Run ID: **Balance1_444621** SeqNo: **7504907** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	18.7	0.0100					19.5	4.19	20	

The following samples were analyzed in this batch: HS23081099-01 HS23081099-02 HS23081099-09 HS23081099-30

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: **HS23081099**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23081099 **Date/Time Received:** **16-Aug-2023 09:45**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	17-Aug-2023 21:05	**Reviewed by:**	/S/ Tyler Monroe	22-Aug-2023 10:22
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	4 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298866 , 298861 , 298865 , 298862
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.2UC/1.1C	IR31
Cooler(s)/Kit(s):	51346	
Date/Time sample(s) sent to storage:	8/17/23	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody For

Page 1 of ____

COC ID: 298866

HS23081099

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information	
Purchase Order		Project Name	Frisco Pre-Excavation Soil
Work Order		Project Number	GL20409062O5
Company Name	WSP Golder	Bill To Company	WSP Golder
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141
Phone	(314) 984-8800	Phone	(314) 984-8800
Fax	timothy.jennings@wsp.com	Fax	william.wedge@wsp.com
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com

A	1311_TCLP RCRA Metals (1311/3010/6020/7470--TCLP RCRA 8
B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
C	MOIST_ASTM (Moisture %)
D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
E	Total As, Cd, Se, Sb, ~~Be~~ Pb (6020)
F	
G	
H	
J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SDAS009-1	8/4/'23	9:20	SS		2	~~✓~~	~~✓~~			✓						
2	SDAS001-002-1		10:45			2	~~✓~~	~~✓~~			✓						
3	SP-69		11:05			1	✓										
4	SP-70		11:06			1	✓										
5	SP-71		11:11			1	✓										
6	SP-72		11:15			1	✓										
7	SP-73		11:17			1	✓										
8	SP-74		11:20			1	✓										
9	SDAS008-1		12:00			2	~~✓~~	~~✓~~			✓						
10	SP-75		13:11			1	✓										

Sampler(s) Please Print & Sign: Nthaen Katoch Katoch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: Katoch	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): CC 8-16-23 0945
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
51946	12
18791	

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP LevelIV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

CF-0-1

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
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Holland, MI +1 616 399 6070

Chain of Custody For

COC ID: 298861

HS23081099

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.roedge@wsp.com	I	
e-Mail Address	Rahel.Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-76	8/14/'23	13:14	SS		1	✓										
2	SP-77		13:16			1	✓										
3	SP-78		14:38			1	✓										
4	SP-79		16:48			1	✓										
5	SP-80		16:52			1	✓										
6	SP-81		16:55			1	✓										
7	SP-82		17:05			1	✓										
8	SP-~~84~~ 83	8/15/'23	10:03			1	✓										
9	SP-84		10:06			1	✓										
10	SP-85		10:10			1	✓										

Sampler(s) Please Print & Sign: Nathan Katsch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 8-16-23 0945
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level I Std QC ☐ Level II Std QC/Raw Data ☐ Level V SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody For

Page 3 of ____

COC ID: 298865

HS23081099

WSP Golder

Frisco Pre-Excavation Soil

on, WV 58

80

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Cd, Sb, Se, Pb (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.wedge@wsp.com		
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-86	8/15/23	10:13	SS		1	✓										
2	SP-87		13:25			1	✓										
3	SP-88		13:27			1	✓										
4	SP-89		13:30			1	✓										
5	SP-90		13:34			1	✓										
6	SP-91		13:38			1	✓										
7	SP-92		15:34			1	✓										
8	SP-93		15:36			1	✓										
9	SP-94		15:40			1	✓										
10	SDA3007-1		16:40			1					✓						

Sampler(s) Please Print & Sign: Nihaan Katoch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other ____ ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): 8-16-23 0945
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other ____
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page 4 of ____

COC ID: 298862

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.wedge@wsp.com	I	
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountsPayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-95	6/15/'23	17:10	SS		1	✓										
2	SP-96	↓	17:14	↓		1	✓										
3	SP-97	↓	17:18	↓		1	✓										
4																	
5																	
6																	
7																	
8																	
9																	
10																	

HS23081099

WSP Golder

Frisco Pre-Excavation Soil

Sampler(s) Please Print & Sign: Nithaan Kotak

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 8-16-23 0945
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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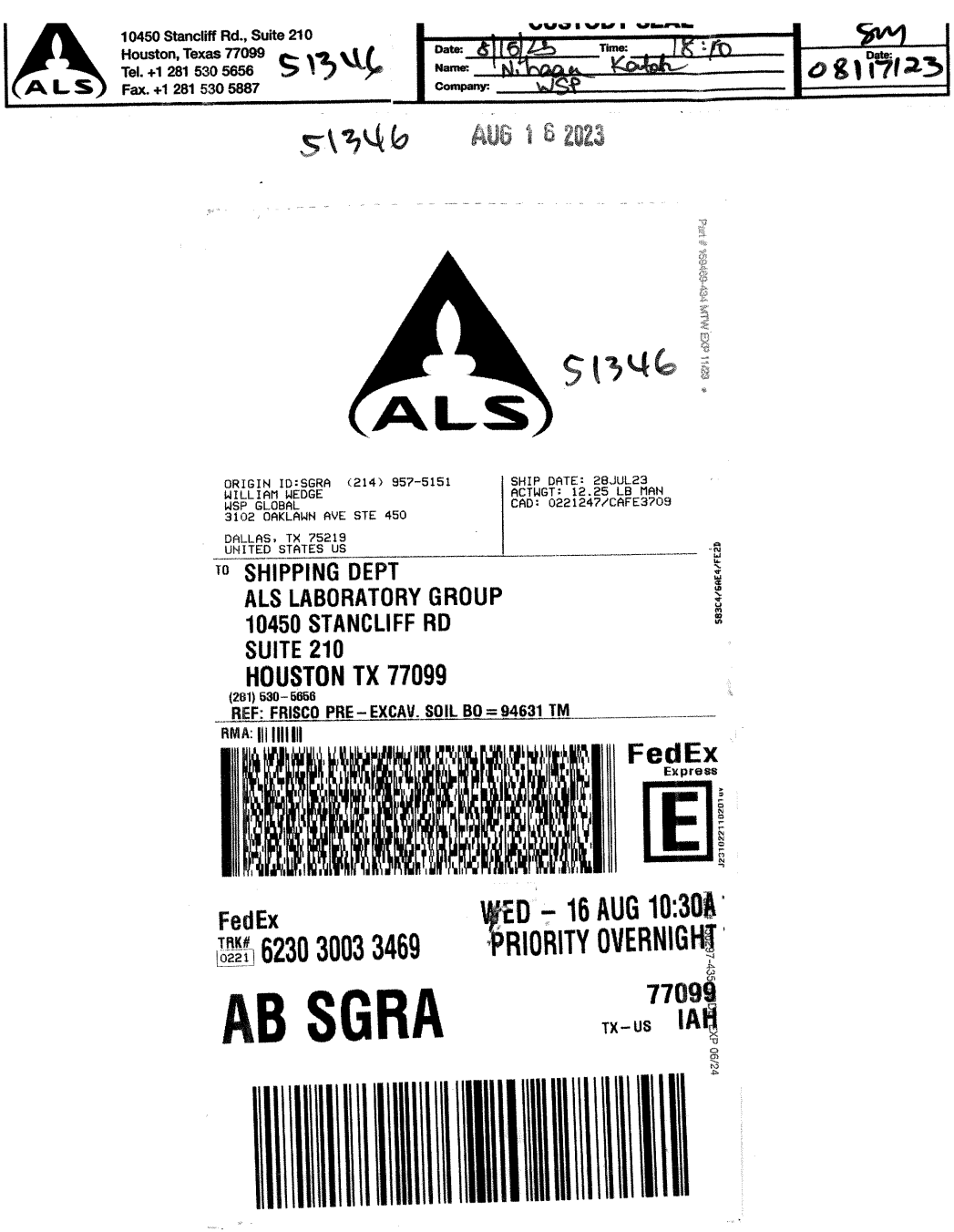

10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51346

CUSTODY SEAL
Date: 8/16/23 Time: 18:10
Name: N. Hagen Kotch
Company: WSP

SM
Date: 08117123

51346 AUG 16 2023

Part # 159469-4914-MTNV EXP 11/23

51346

ORIGIN ID:SGRA (214) 957-5151
WILLIAM WEDGE
WSP GLOBAL
3102 OAKLAWN AVE STE 450

DALLAS, TX 75219
UNITED STATES US

SHIP DATE: 28JUL23
ACTWGT: 12.25 LB MAN
CAD: 0221247/CAFE3709

583CJ/6HE4/FE2D

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: FRISCO PRE-EXCAV. SOIL BO=94631 TM

RMA:

FedEx Express

J231122211201uv

FedEx
TRK# 0221 6230 3003 3469

WED - 16 AUG 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US IAH

0207-4356 EXP 06/24

Data Usability Summary

To:	Tim Jennings	Date:	September 25, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23081230.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected August 16, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. Data qualified due to exceedances of QC criteria are listed in Table 2.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

Analytes detected in laboratory method blanks are listed in Table 2. Analytes detected in continuing calibration blanks are listed in Table 3. Data are qualified non-detect as shown in Tables 2 and 3.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. MS/MSD recoveries outside the acceptance criteria of 70 to 130 %R for metals are listed in Table 4. MS/MSD precision, as RPD, was within 30 RPD. Data are qualified as shown in Tables 2 and 4.

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. PDS recoveries were within the acceptance criteria of 70 to 130 %R. Serial dilution precision was within 20 percent difference (%D) for samples with results greater than 50 times the sample detection limit.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected collected August 16, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
SDAS006-1	HS23081230-01	X	MS/MSD
SDAS005-1	HS23081230-04	X	
SDAS004-1	HS23081230-12	X	
SDAS003-1	HS23081230-13	X	
CL2LF001-1	HS23081230-17	X	
CW010	HS23081230-22	X	
CW011	HS23081230-23	X	

MS/MSD – Matrix spike/matrix spike duplicate

Table 2 Qualified Data

Field Identification	Analyte	Qualifier	Reason for Qualification
SDAS006-01	Antimony	JL	MS/MSD recovery below acceptance criteria
SDAS006-01	Lead	J	MS/MSD recoveries outside acceptance criteria

Table 3 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
MBLK-199249	Arsenic	0.09151 mg/kg	0.183	No data are qualified
ICPMS05_444635 CCB 10	Arsenic	1.242 µg/L	0.248	No data are qualified
ICPMS05-444635 CCB 11	Antimony	0.489 µg/L	0.0978	No data are qualified

mg/kg – Milligram per kilogram
µg/L – Microgram per liter

Table 4 Recovery and Precision Exceedances

Sample	Analyte	Spike Recovery (%)	Spike Duplicate Recovery (%)	RPD (%)	Qualification
SDAS006-1	Antimony	18.7	18.2	2.66	JL
SDS006-1	Lead	176	27.4	32.4	J

%R – Percent recovery
JL – Estimated, potential low bias
RPD – Relative percent difference

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
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August 25, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23081230**

Laboratory Results for: **Frisco CDC Interim Action**

Dear William Wedge,

ALS Environmental received 23 sample(s) on Aug 18, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco CDC Interim Action	
WorkOrder:	**HS23081230**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco CDC Interim Action
WorkOrder:	**HS23081230**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data								
Laboratory Name: ALS Laboratory Group			LRC Date: 08/25/2023					
Project Name: Frisco CDC Interim Action			Laboratory Job Number: HS23081230					
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 199249, 199406, 199453, 199455, 199457, R444857					
#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/25/2023				
Project Name: Frisco CDC Interim Action			Laboratory Job Number: HS23081230				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 199249, 199406, 199453, 199455, 199457, R444857				
#[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)**					
		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			3
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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group		LRC Date: 08/25/2023
Project Name: Frisco CDC Interim Action		Laboratory Job Number: HS23081230
Reviewer Name: Tyler Monroe		Prep Batch Number(s): 199249, 199406, 199453, 199455, 199457, R444857
ER#[5]	**Description**	
1	Batch 199249, Metals by method SW6020, Sample SDAS006-1, MS/MSD recovered outside control limits for Antimony and Lead. Batch 199406, TCLP Metals by method SW6020, Sample HS23081068-01, MS was performed on an unrelated sample.	
2	Batch 199249, Metals by method SW6020, Sample SDAS006-1, MS/MSD RPD recovered outside control limits for Lead due to non-homogeneity of the soil sample matrix.	
3	See Run Log and CCB Exception Reports	

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230
Start Date: 23-Aug-2023 End Date: 24-Aug-2023

Run ID:ICPMS05_444635
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	23-Aug-2023 11:55	026_ICV.d	AS CD PB SB SE
LLICV5	1	23-Aug-2023 11:59	028LCV5.d	AS CD PB SB SE
ICB	1	23-Aug-2023 12:03	030_ICB.d	AS CD PB SB SE
LLICV2	1	23-Aug-2023 12:08	032LCV2.d	AS CD PB SB SE
ICSA	1	23-Aug-2023 12:14	033ICSA.d	AS CD PB SB SE
ICSAB	1	23-Aug-2023 12:16	034ICSB.d	AS CD PB SB SE
CCV 1	1	23-Aug-2023 12:28	037_CCV.d	AS CD PB SB SE
CCB 1	1	23-Aug-2023 12:30	038_CCB.d	AS CD PB SB SE
CCV 2	1	23-Aug-2023 12:47	044_CCV.d	AS CD PB SB SE
CCB 2	1	23-Aug-2023 12:49	045_CCB.d	AS CD PB SB SE
CCV 3	1	23-Aug-2023 13:12	056_CCV.d	AS CD PB SB SE
CCB 3	1	23-Aug-2023 13:14	057_CCB.d	AS CD PB SB SE
CCV 4	1	23-Aug-2023 13:26	063_CCV.d	AS CD PB SB SE
CCB 4	1	23-Aug-2023 13:28	064_CCB.d	AS CD PB SB SE
CCV 5	1	23-Aug-2023 14:11	075_CCV.d	AS CD PB SB SE
CCB 5	1	23-Aug-2023 14:13	076_CCB.d	AS CD PB SB SE
CCV 6	1	23-Aug-2023 14:49	084_CCV.d	AS CD PB SB SE
CCB 6	1	23-Aug-2023 14:51	085_CCB.d	AS CD PB SB SE
CCV 7	1	23-Aug-2023 15:22	096_CCV.d	AS CD PB SB SE
CCB 7	1	23-Aug-2023 15:24	097_CCB.d	AS CD PB SB SE
CCV 8	1	23-Aug-2023 15:51	108_CCV.d	AS CD PB SB SE
CCB 8	1	23-Aug-2023 15:53	109_CCB.d	AS CD PB SB SE
CCV 9	1	23-Aug-2023 16:18	119_CCV.d	AS CD PB SB SE
CCB 9	1	23-Aug-2023 16:20	120_CCB.d	AS CD PB SB SE
CCV 10	1	23-Aug-2023 19:03	124_CCV.d	AS CD PB SB SE
CCB 10	1	23-Aug-2023 19:05	125_CCB.d	AS CD PB SB SE
MBLK-199249	1	23-Aug-2023 19:07	126SMPL.d	AS CD PB SB SE
LCS-199249	1	23-Aug-2023 19:09	127SMPL.d	AS CD PB SB SE
SDAS006-1	1	23-Aug-2023 19:11	128SMPL.d	AS CD PB SB SE
SDAS006-1SD	5	23-Aug-2023 19:13	129SMPL.d	CD PB SB SE
SDAS006-1MS	1	23-Aug-2023 19:15	130SMPL.d	AS CD PB SB SE
SDAS006-1MSD	1	23-Aug-2023 19:17	131SMPL.d	AS CD PB SB SE
SDAS006-1PDS	1	23-Aug-2023 19:19	132SMPL.d	AS CD PB SB SE
CCV 11	1	23-Aug-2023 19:21	133_CCV.d	AS CD PB SB SE
CCB 11	1	23-Aug-2023 19:23	134_CCB.d	AS CD PB SB SE
SDAS005-1	1	23-Aug-2023 19:29	137SMPL.d	AS CD PB SB SE
SDAS004-1	1	23-Aug-2023 19:31	138SMPL.d	AS CD PB SB SE
SDAS003-1	1	23-Aug-2023 19:33	139SMPL.d	AS CD PB SB SE
CL2LF001-1	1	23-Aug-2023 19:35	140SMPL.d	AS CD PB SB SE
CW010	1	23-Aug-2023 19:37	141SMPL.d	AS PB SB SE
CW011	1	23-Aug-2023 19:41	143SMPL.d	AS PB SB SE
CCV 12	1	23-Aug-2023 19:45	145_CCV.d	AS CD PB SB SE
CCB 12	1	23-Aug-2023 19:57	148_CCB.d	AS CD PB SB SE
ICCV 13	1	23-Aug-2023 20:40	160_ICV.d	AS CD PB SB SE
LLICCV5	1	23-Aug-2023 20:42	161LCV5.d	AS CD PB SB SE
LLICCV2	1	23-Aug-2023 20:44	162LCV2.d	AS CD PB SB SE
ICCB 13	1	23-Aug-2023 20:46	163_ICB.d	AS CD PB SB SE
CCV 14	1	23-Aug-2023 20:51	165_CCV.d	AS CD PB SB SE
CCB 14	1	23-Aug-2023 20:53	166_CCB.d	AS CD PB SB SE
CW010	2	23-Aug-2023 20:55	167SMPL.d	CD

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230
Start Date: 23-Aug-2023 End Date: 24-Aug-2023

Run ID:ICPMS05_444635
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CW011	2	23-Aug-2023 20:56	168SMPL.d	CD
CCV 15	1	23-Aug-2023 21:12	176_CCV.d	AS CD PB SB SE
CCB 15	1	23-Aug-2023 21:14	177_CCB.d	AS CD PB SB SE
CCV 16	1	23-Aug-2023 21:30	185_CCV.d	AS CD PB SB SE
CCB 16	1	23-Aug-2023 21:32	186_CCB.d	AS CD PB SB SE
CCV 17	1	23-Aug-2023 21:46	193_CCV.d	AS CD PB SB SE
CCB 17	1	23-Aug-2023 21:48	194_CCB.d	AS CD PB SB SE
CCV 18	1	23-Aug-2023 22:04	202_CCV.d	AS CD PB SB SE
CCB 18	1	23-Aug-2023 22:06	203_CCB.d	AS CD PB SB SE
CCV 19	1	23-Aug-2023 22:28	214_CCV.d	AS CD PB SB SE
CCB 19	1	23-Aug-2023 22:30	215_CCB.d	AS CD PB SB SE
LLICCV5	1	24-Aug-2023 00:00	248LCV5.d	AS CD PB SB SE
LLICCV2	1	24-Aug-2023 00:02	249LCV2.d	AS CD PB SB SE
ICCV 20	1	24-Aug-2023 00:04	250_ICV.d	AS CD PB SB SE
ICCB 20	1	24-Aug-2023 00:06	251_ICB.d	AS CD PB SB SE
ICSA	1	24-Aug-2023 00:08	252ICSA.d	AS CD PB SB SE
ICSAB	1	24-Aug-2023 00:10	253ICSB.d	AS CD PB SB SE
CCV 21	1	24-Aug-2023 00:14	255_CCV.d	AS CD PB SB SE
CCB 21	1	24-Aug-2023 00:16	256_CCB.d	AS CD PB SB SE
CCV 22	1	24-Aug-2023 00:29	262_CCV.d	AS CD PB SB SE
CCB 22	1	24-Aug-2023 00:31	263_CCB.d	AS CD PB SB SE
CCV 23	1	24-Aug-2023 00:43	269_CCV.d	AS CD PB SB SE
CCB 23	1	24-Aug-2023 00:45	270_CCB.d	AS CD PB SB SE
CCV 24	1	24-Aug-2023 00:57	276_CCV.d	AS CD PB SB SE
CCB 24	1	24-Aug-2023 00:59	277_CCB.d	AS CD PB SB SE
CCV 25	1	24-Aug-2023 02:06	309_CCV.d	AS CD PB SB SE
CCB 25	1	24-Aug-2023 02:08	310_CCB.d	AS CD PB SB SE
CCV 26	1	24-Aug-2023 02:13	312_CCV.d	AS CD PB SB SE
CCB 26	1	24-Aug-2023 02:15	313_CCB.d	AS CD PB SB SE
LLICV2	1	24-Aug-2023 02:19	315LCV2.d	AS CD PB SB SE
LLICV5	1	24-Aug-2023 02:21	316LCV5.d	AS CD PB SB SE
ICSA	1	24-Aug-2023 02:23	317ICSA.d	AS CD PB SB SE
ICSAB	1	24-Aug-2023 02:25	318ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

Run ID:ICPMS05_444635
Instrument:ICPMS05
Method:SW6020A

CCB 3	Date: 23-Aug-2023 13:14	Seq: 7505349	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.426	0.4	2	
Arsenic	0.421	0.4	2	

CCB 6	Date: 23-Aug-2023 14:51	Seq: 7505717	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.555	0.4	2	

CCB 7	Date: 23-Aug-2023 15:24	Seq: 7506047	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.594	0.4	2	
Arsenic	1.43	0.4	2	

CCB 8	Date: 23-Aug-2023 15:53	Seq: 7506080	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.457	0.4	2	
Arsenic	0.9	0.4	2	

CCB 9	Date: 23-Aug-2023 16:20	Seq: 7506091	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.486	0.4	2	
Arsenic	1.121	0.4	2	
Selenium	1.118	1.1	2	

CCB 10	Date: 23-Aug-2023 19:05	Seq: 7506257	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	1.242	0.4	2	

CCB 11	Date: 23-Aug-2023 19:23	Seq: 7506266	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.489	0.4	2	

CCB 12	Date: 23-Aug-2023 19:57	Seq: 7506280	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.427	0.4	2	

CCB 16	Date: 23-Aug-2023 21:32	Seq: 7506429	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.308	1.1	2	

CCB 18	Date: 23-Aug-2023 22:06	Seq: 7506441	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	1.386	0.4	2	

CCB 19	Date: 23-Aug-2023 22:30	Seq: 7506453	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	1.722	0.4	2	

CCB 22	Date: 24-Aug-2023 00:31	Seq: 7506540	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.447	0.4	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

Run ID:ICPMS05_444635
Instrument:ICPMS05
Method:SW6020A

CCB 23	Date: 24-Aug-2023 00:45	Seq: 7506547	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.733	0.4	2	
Selenium	1.118	1.1	2	

CCB 24	Date: 24-Aug-2023 00:59	Seq: 7506554	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	1.109	0.4	2	

Client: WSP Golder
Project: Frisco CDC Interim Action
Work Order: HS23081230

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23081230-01	SDAS006-1	Soil		16-Aug-2023 08:20	18-Aug-2023 09:50	☐
HS23081230-02	SP-98	Soil		16-Aug-2023 08:50	18-Aug-2023 09:50	☐
HS23081230-03	SP-99	Soil		16-Aug-2023 08:55	18-Aug-2023 09:50	☐
HS23081230-04	SDAS005-1	Soil		16-Aug-2023 09:50	18-Aug-2023 09:50	☐
HS23081230-05	SP-100	Soil		16-Aug-2023 10:17	18-Aug-2023 09:50	☐
HS23081230-06	SP-101	Soil		16-Aug-2023 10:21	18-Aug-2023 09:50	☐
HS23081230-07	SP-102	Soil		16-Aug-2023 10:25	18-Aug-2023 09:50	☐
HS23081230-08	SP-103	Soil		16-Aug-2023 13:40	18-Aug-2023 09:50	☐
HS23081230-09	SP-104	Soil		16-Aug-2023 13:43	18-Aug-2023 09:50	☐
HS23081230-10	SP-105	Soil		16-Aug-2023 13:46	18-Aug-2023 09:50	☐
HS23081230-11	SP-106	Soil		16-Aug-2023 13:50	18-Aug-2023 09:50	☐
HS23081230-12	SDAS004-1	Soil		16-Aug-2023 14:45	18-Aug-2023 09:50	☐
HS23081230-13	SDAS003-1	Soil		16-Aug-2023 14:55	18-Aug-2023 09:50	☐
HS23081230-14	SP-107	Soil		16-Aug-2023 15:35	18-Aug-2023 09:50	☐
HS23081230-15	SP-108	Soil		16-Aug-2023 16:24	18-Aug-2023 09:50	☐
HS23081230-16	SP-109	Soil		16-Aug-2023 17:10	18-Aug-2023 09:50	☐
HS23081230-17	CL2LF001-1	Soil		17-Aug-2023 10:30	18-Aug-2023 09:50	☐
HS23081230-18	SP-110	Soil		17-Aug-2023 08:50	18-Aug-2023 09:50	☐
HS23081230-19	SP-111	Soil		17-Aug-2023 09:05	18-Aug-2023 09:50	☐
HS23081230-20	SP-112	Soil		17-Aug-2023 10:55	18-Aug-2023 09:50	☐
HS23081230-21	SP-113	Soil		17-Aug-2023 11:00	18-Aug-2023 09:50	☐
HS23081230-22	CW010	Soil		17-Aug-2023 13:20	18-Aug-2023 09:50	☐
HS23081230-23	CW011	Soil		17-Aug-2023 13:30	18-Aug-2023 09:50	☐

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS006-1
Collection Date: 16-Aug-2023 08:20

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.323**	J	**0.0747**	**0.575**	**mg/Kg-dry**	1	23-Aug-2023 19:11
Arsenic	**10.3**		**0.0804**	**0.575**	**mg/Kg-dry**	1	23-Aug-2023 19:11
Cadmium	**0.389**	J	**0.0310**	**0.575**	**mg/Kg-dry**	1	23-Aug-2023 19:11
Lead	**41.7**		**0.0149**	**0.575**	**mg/Kg-dry**	1	23-Aug-2023 19:11
Selenium	**1.29**		**0.105**	**0.575**	**mg/Kg-dry**	1	23-Aug-2023 19:11
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**16.3**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-98
Collection Date: 16-Aug-2023 08:50

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 13:24
Barium	**0.367**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 13:24
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:24
Chromium	**0.00439**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 13:24
Lead	**0.0110**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 13:24
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 13:24
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:24
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 12:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-99
Collection Date: 16-Aug-2023 08:55

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 13:26
Barium	**0.478**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 13:26
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:26
Chromium	**0.00703**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 13:26
Lead	U		0.00600	0.0500	mg/L	1	24-Aug-2023 13:26
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 13:26
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:26
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 12:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS005-1
Collection Date: 16-Aug-2023 09:50

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.444**	J	**0.0744**	**0.573**	**mg/Kg-dry**	1	23-Aug-2023 19:29
Arsenic	**10.4**		**0.0802**	**0.573**	**mg/Kg-dry**	1	23-Aug-2023 19:29
Cadmium	**0.605**		**0.0309**	**0.573**	**mg/Kg-dry**	1	23-Aug-2023 19:29
Lead	**105**		**0.0149**	**0.573**	**mg/Kg-dry**	1	23-Aug-2023 19:29
Selenium	**1.37**		**0.104**	**0.573**	**mg/Kg-dry**	1	23-Aug-2023 19:29
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.0**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-100
Collection Date: 16-Aug-2023 10:17

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	**0.00796**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 13:28
Barium	**0.632**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 13:28
Cadmium	**0.0174**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 13:28
Chromium	U		0.00400	0.0500	mg/L	1	24-Aug-2023 13:28
Lead	**0.484**		**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 13:28
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 13:28
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:28
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 12:34

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-101
Collection Date: 16-Aug-2023 10:21

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 13:30
Barium	**0.334**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 13:30
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:30
Chromium	**0.00503**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 13:30
Lead	U		0.00600	0.0500	mg/L	1	24-Aug-2023 13:30
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 13:30
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:30
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 12:35

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-102
Collection Date: 16-Aug-2023 10:25

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 13:59
Barium	**0.287**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 13:59
Cadmium	**0.00266**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 13:59
Chromium	**0.00554**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 13:59
Lead	**0.0130**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 13:59
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 13:59
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 13:59
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 12:37

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-103
Collection Date: 16-Aug-2023 13:40

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 14:01
Barium	**0.349**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 14:01
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 14:01
Chromium	**0.0307**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 14:01
Lead	U		0.00600	0.0500	mg/L	1	24-Aug-2023 14:01
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 14:01
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 14:01
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-104
Collection Date: 16-Aug-2023 13:43

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 14:03
Barium	**0.271**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 14:03
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 14:03
Chromium	**0.00658**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 14:03
Lead	**0.0101**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 14:03
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 14:03
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 14:03
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-105
Collection Date: 16-Aug-2023 13:46

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 23-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 14:05
Barium	**0.174**	J	**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 14:05
Cadmium	**0.00309**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 14:05
Chromium	U		0.00400	0.0500	mg/L	1	24-Aug-2023 14:05
Lead	**0.0547**		**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 14:05
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 14:05
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 14:05
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:25

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-106
Collection Date: 16-Aug-2023 13:50

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 16:24
Barium	**0.149**	J	**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:24
Cadmium	**0.00614**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:24
Chromium	**0.0124**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:24
Lead	**0.132**		**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:24
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:24
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:24
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS004-1
Collection Date: 16-Aug-2023 14:45

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.216**	J	**0.0764**	**0.588**	**mg/Kg-dry**	1	23-Aug-2023 19:31
Arsenic	**8.75**		**0.0823**	**0.588**	**mg/Kg-dry**	1	23-Aug-2023 19:31
Cadmium	**0.698**		**0.0317**	**0.588**	**mg/Kg-dry**	1	23-Aug-2023 19:31
Lead	**54.9**		**0.0153**	**0.588**	**mg/Kg-dry**	1	23-Aug-2023 19:31
Selenium	**1.20**		**0.107**	**0.588**	**mg/Kg-dry**	1	23-Aug-2023 19:31
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**18.3**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SDAS003-1
Collection Date: 16-Aug-2023 14:55

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	U		0.0782	0.602	mg/Kg-dry	1	23-Aug-2023 19:33
Arsenic	**7.60**		**0.0842**	**0.602**	**mg/Kg-dry**	1	23-Aug-2023 19:33
Cadmium	**0.141**	J	**0.0325**	**0.602**	**mg/Kg-dry**	1	23-Aug-2023 19:33
Lead	**26.0**		**0.0156**	**0.602**	**mg/Kg-dry**	1	23-Aug-2023 19:33
Selenium	**1.02**		**0.110**	**0.602**	**mg/Kg-dry**	1	23-Aug-2023 19:33
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.7**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-107
Collection Date: 16-Aug-2023 15:35

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	**0.00494**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:33
Barium	**0.626**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:33
Cadmium	**0.00383**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:33
Chromium	**0.00601**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:33
Lead	**0.0403**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:33
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:33
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:33
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-108
Collection Date: 16-Aug-2023 16:24

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-15
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	**0.00450**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:35
Barium	**0.372**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:35
Cadmium	**0.00375**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:35
Chromium	**0.00528**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:35
Lead	**0.0361**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:35
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:35
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:35
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-109
Collection Date: 16-Aug-2023 17:10

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-16
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	**0.00480**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:37
Barium	**0.846**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:37
Cadmium	**0.00428**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:37
Chromium	**0.00652**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:37
Lead	**0.00882**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:37
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:37
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:37
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:45

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: CL2LF001-1
Collection Date: 17-Aug-2023 10:30

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-17
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.245**	J	**0.0786**	**0.605**	**mg/Kg-dry**	1	23-Aug-2023 19:35
Arsenic	**8.65**		**0.0846**	**0.605**	**mg/Kg-dry**	1	23-Aug-2023 19:35
Cadmium	**0.495**	J	**0.0326**	**0.605**	**mg/Kg-dry**	1	23-Aug-2023 19:35
Lead	**79.8**		**0.0157**	**0.605**	**mg/Kg-dry**	1	23-Aug-2023 19:35
Selenium	**1.46**		**0.110**	**0.605**	**mg/Kg-dry**	1	23-Aug-2023 19:35
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**19.3**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-110
Collection Date: 17-Aug-2023 08:50

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-18
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	**0.00444**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:47
Barium	**0.599**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:47
Cadmium	**0.00661**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:47
Chromium	**0.00654**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:47
Lead	**0.00662**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:47
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:47
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:47
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-111
Collection Date: 17-Aug-2023 09:05

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-19
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	**0.00439**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:49
Barium	**0.941**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:49
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:49
Chromium	**0.00898**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:49
Lead	U		0.00600	0.0500	mg/L	1	24-Aug-2023 16:49
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:49
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:49
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-112
Collection Date: 17-Aug-2023 10:55

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-20
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 16:51
Barium	**0.714**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:51
Cadmium	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:51
Chromium	**0.00769**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:51
Lead	**0.00881**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:51
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:51
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:51
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:50

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: SP-113
Collection Date: 17-Aug-2023 11:00

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-21
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 23-Aug-2023	Prep:SW3010A / 24-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	24-Aug-2023 16:53
Barium	**0.836**		**0.0190**	**0.200**	**mg/L**	1	24-Aug-2023 16:53
Cadmium	**0.00334**	J	**0.00200**	**0.0500**	**mg/L**	1	24-Aug-2023 16:53
Chromium	**0.00822**	J	**0.00400**	**0.0500**	**mg/L**	1	24-Aug-2023 16:53
Lead	**0.00711**	J	**0.00600**	**0.0500**	**mg/L**	1	24-Aug-2023 16:53
Selenium	U		0.0110	0.0500	mg/L	1	24-Aug-2023 16:53
Silver	U		0.00200	0.0500	mg/L	1	24-Aug-2023 16:53
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 23-Aug-2023	Prep:SW7470A / 24-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	24-Aug-2023 13:52

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: CW010
Collection Date: 17-Aug-2023 13:20

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-22
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.474**	J	**0.0637**	**0.490**	**mg/Kg-dry**	1	23-Aug-2023 19:37
Arsenic	**12.9**		**0.0686**	**0.490**	**mg/Kg-dry**	1	23-Aug-2023 19:37
Cadmium	**5.50**		**0.0529**	**0.980**	**mg/Kg-dry**	2	23-Aug-2023 20:55
Lead	**108**		**0.0127**	**0.490**	**mg/Kg-dry**	1	23-Aug-2023 19:37
Selenium	**1.41**		**0.0892**	**0.490**	**mg/Kg-dry**	1	23-Aug-2023 19:37
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**7.12**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco CDC Interim Action
Sample ID: CW011
Collection Date: 17-Aug-2023 13:30

ANALYTICAL REPORT
WorkOrder:HS23081230
Lab ID:HS23081230-23
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 22-Aug-2023		Analyst: JC
Antimony	**0.407**	J	**0.0688**	**0.529**	**mg/Kg-dry**	1	23-Aug-2023 19:41
Arsenic	**11.3**		**0.0741**	**0.529**	**mg/Kg-dry**	1	23-Aug-2023 19:41
Cadmium	**3.47**		**0.0572**	**1.06**	**mg/Kg-dry**	2	23-Aug-2023 20:56
Lead	**147**		**0.0138**	**0.529**	**mg/Kg-dry**	1	23-Aug-2023 19:41
Selenium	**1.28**		**0.0963**	**0.529**	**mg/Kg-dry**	1	23-Aug-2023 19:41
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**7.95**		**0.0100**	**0.0100**	**wt%**	1	24-Aug-2023 08:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

Batch ID: 199249 **Start Date:** 22 Aug 2023 07:30 **End Date:** 22 Aug 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-01		0.5198 (g)	50 (mL)	96.19	4-oz glass, Neat
HS23081230-04		0.5391 (g)	50 (mL)	92.75	4-oz glass, Neat
HS23081230-12		0.5207 (g)	50 (mL)	96.02	4-oz glass, Neat
HS23081230-13		0.5174 (g)	50 (mL)	96.64	4-oz glass, Neat
HS23081230-17		0.5124 (g)	50 (mL)	97.58	4-oz glass, Neat
HS23081230-22		0.5491 (g)	50 (mL)	91.06	4-oz glass, Neat
HS23081230-23		0.5131 (g)	50 (mL)	97.45	4-oz glass, Neat

Batch ID: 199351 **Start Date:** 22 Aug 2023 15:00 **End Date:** 22 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199355 **Start Date:** 22 Aug 2023 15:00 **End Date:** 22 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-05		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

Batch ID: 199356 **Start Date:** 22 Aug 2023 15:00 **End Date:** 22 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-16		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-18		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-19		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-20		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23081230-21		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199358 **Start Date:** 22 Aug 2023 15:00 **End Date:** 22 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-05		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199406 **Start Date:** 23 Aug 2023 13:30 **End Date:** 23 Aug 2023 13:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-10		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 199453 **Start Date:** 24 Aug 2023 08:00 **End Date:** 24 Aug 2023 08:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-14		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-15		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-16		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-18		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-19		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-20		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23081230-21		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

Batch ID: 199455 **Start Date:** 24 Aug 2023 08:00 **End Date:** 24 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-07		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 199457 **Start Date:** 24 Aug 2023 08:00 **End Date:** 24 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23081230-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-14		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-15		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-16		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-18		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-19		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-20		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23081230-21		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199249 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23081230-01	SDAS006-1	16 Aug 2023 08:20		22 Aug 2023 07:30	23 Aug 2023 19:11	1
HS23081230-04	SDAS005-1	16 Aug 2023 09:50		22 Aug 2023 07:30	23 Aug 2023 19:29	1
HS23081230-12	SDAS004-1	16 Aug 2023 14:45		22 Aug 2023 07:30	23 Aug 2023 19:31	1
HS23081230-13	SDAS003-1	16 Aug 2023 14:55		22 Aug 2023 07:30	23 Aug 2023 19:33	1
HS23081230-17	CL2LF001-1	17 Aug 2023 10:30		22 Aug 2023 07:30	23 Aug 2023 19:35	1
HS23081230-22	CW010	17 Aug 2023 13:20		22 Aug 2023 07:30	23 Aug 2023 20:55	2
HS23081230-22	CW010	17 Aug 2023 13:20		22 Aug 2023 07:30	23 Aug 2023 19:37	1
HS23081230-23	CW011	17 Aug 2023 13:30		22 Aug 2023 07:30	23 Aug 2023 20:56	2
HS23081230-23	CW011	17 Aug 2023 13:30		22 Aug 2023 07:30	23 Aug 2023 19:41	1
Batch ID: 199406 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23081230-02	SP-98	16 Aug 2023 08:50	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 13:24	1
HS23081230-03	SP-99	16 Aug 2023 08:55	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 13:26	1
HS23081230-05	SP-100	16 Aug 2023 10:17	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 13:28	1
HS23081230-06	SP-101	16 Aug 2023 10:21	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 13:30	1
HS23081230-07	SP-102	16 Aug 2023 10:25	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 13:59	1
HS23081230-08	SP-103	16 Aug 2023 13:40	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 14:01	1
HS23081230-09	SP-104	16 Aug 2023 13:43	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 14:03	1
HS23081230-10	SP-105	16 Aug 2023 13:46	23 Aug 2023 08:00	23 Aug 2023 13:30	24 Aug 2023 14:05	1
Batch ID: 199453 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23081230-11	SP-106	16 Aug 2023 13:50	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:24	1
HS23081230-14	SP-107	16 Aug 2023 15:35	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:33	1
HS23081230-15	SP-108	16 Aug 2023 16:24	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:35	1
HS23081230-16	SP-109	16 Aug 2023 17:10	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:37	1
HS23081230-18	SP-110	17 Aug 2023 08:50	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:47	1
HS23081230-19	SP-111	17 Aug 2023 09:05	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:49	1
HS23081230-20	SP-112	17 Aug 2023 10:55	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:51	1
HS23081230-21	SP-113	17 Aug 2023 11:00	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 16:53	1
Batch ID: 199455 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23081230-02	SP-98	16 Aug 2023 08:50	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 12:30	1
HS23081230-03	SP-99	16 Aug 2023 08:55	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 12:32	1
HS23081230-05	SP-100	16 Aug 2023 10:17	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 12:34	1
HS23081230-06	SP-101	16 Aug 2023 10:21	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 12:35	1
HS23081230-07	SP-102	16 Aug 2023 10:25	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 12:37	1

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199457 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23081230-08	SP-103	16 Aug 2023 13:40	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:18	1
HS23081230-09	SP-104	16 Aug 2023 13:43	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:23	1
HS23081230-10	SP-105	16 Aug 2023 13:46	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:25	1
HS23081230-11	SP-106	16 Aug 2023 13:50	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:26	1
HS23081230-14	SP-107	16 Aug 2023 15:35	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:28	1
HS23081230-15	SP-108	16 Aug 2023 16:24	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:43	1
HS23081230-16	SP-109	16 Aug 2023 17:10	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:45	1
HS23081230-18	SP-110	17 Aug 2023 08:50	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:47	1
HS23081230-19	SP-111	17 Aug 2023 09:05	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:48	1
HS23081230-20	SP-112	17 Aug 2023 10:55	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:50	1
HS23081230-21	SP-113	17 Aug 2023 11:00	23 Aug 2023 08:00	24 Aug 2023 08:00	24 Aug 2023 13:52	1
Batch ID: R444857 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23081230-01	SDAS006-1	16 Aug 2023 08:20			24 Aug 2023 08:31	1
HS23081230-04	SDAS005-1	16 Aug 2023 09:50			24 Aug 2023 08:31	1
HS23081230-12	SDAS004-1	16 Aug 2023 14:45			24 Aug 2023 08:31	1
HS23081230-13	SDAS003-1	16 Aug 2023 14:55			24 Aug 2023 08:31	1
HS23081230-17	CL2LF001-1	17 Aug 2023 10:30			24 Aug 2023 08:31	1
HS23081230-22	CW010	17 Aug 2023 13:20			24 Aug 2023 08:31	1
HS23081230-23	CW011	17 Aug 2023 13:30			24 Aug 2023 08:31	1

WorkOrder: HS23081230
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23081230
InstrumentID: ICPMS05
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00239	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00110	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00120	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00210	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000491	0.000200	0.00500

WorkOrder: HS23081230
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.112	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500

WorkOrder: HS23081230
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199249 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-199249** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:07**
Client ID: Run ID: **ICPMS05_444635** SeqNo: **7506258** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	0.09151	0.498								J
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								

LCS Sample ID: **LCS-199249** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:09**
Client ID: Run ID: **ICPMS05_444635** SeqNo: **7506259** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.885	0.499	9.97	0	99.1	80 - 120				
Arsenic	10.05	0.499	9.97	0	101	80 - 120				
Cadmium	9.812	0.499	9.97	0	98.4	80 - 120				
Lead	9.743	0.499	9.97	0	97.7	80 - 120				
Selenium	9.861	0.499	9.97	0	98.9	80 - 120				

MS Sample ID: **HS23081230-01MS** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:15**
Client ID: **SDAS006-1** Run ID: **ICPMS05_444635** SeqNo: **7506262** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.097	0.489	9.773	0.2701	18.7	75 - 125				S
Arsenic	17.52	0.489	9.773	8.64	90.9	75 - 125				
Cadmium	9.553	0.489	9.773	0.326	94.4	75 - 125				
Lead	52.15	0.489	9.773	34.92	176	75 - 125				S
Selenium	9.513	0.489	9.773	1.079	86.3	75 - 125				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199249 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23081230-01MSD** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:17**
Client ID: **SDAS006-1** Run ID: **ICPMS05_444635** SeqNo: **7506263** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.042	0.487	9.748	0.2701	18.2	75 - 125	2.097	2.66	20	S
Arsenic	16.95	0.487	9.748	8.64	85.3	75 - 125	17.52	3.32	20	
Cadmium	9.559	0.487	9.748	0.326	94.7	75 - 125	9.553	0.067	20	
Lead	37.6	0.487	9.748	34.92	27.4	75 - 125	52.15	32.4	20	SR
Selenium	9.493	0.487	9.748	1.079	86.3	75 - 125	9.513	0.213	20	

PDS Sample ID: **HS23081230-01PDS** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:19**
Client ID: **SDAS006-1** Run ID: **ICPMS05_444635** SeqNo: **7506264** PrepDate: **22-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	8.804	0.481	9.619	0.2701	88.7	75 - 125				
Arsenic	16.91	0.481	9.619	8.64	86.0	75 - 125				
Cadmium	9.488	0.481	9.619	0.326	95.3	75 - 125				
Lead	44.78	0.481	9.619	34.92	103	75 - 125				
Selenium	9.3	0.481	9.619	1.079	85.5	75 - 125				

SD Sample ID: **HS23081230-01SD** Units: **mg/Kg** Analysis Date: **23-Aug-2023 19:13**
Client ID: **SDAS006-1** Run ID: **ICPMS05_444635** SeqNo: **7506261** PrepDate: **22-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	0.3295	2.40					0.2701	0	10	J
Cadmium	0.3187	2.40					0.326	0	10	J
Lead	35.58	2.40					34.92	1.89	10	
Selenium	1.272	2.40					1.079	0	10	J

The following samples were analyzed in this batch: HS23081230-01 HS23081230-04 HS23081230-12 HS23081230-13 HS23081230-17 HS23081230-22 HS23081230-23

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199406 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199357** Units: **mg/L** Analysis Date: **24-Aug-2023 12:31**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507994** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00543	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-199176** Units: **mg/L** Analysis Date: **24-Aug-2023 12:35**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507996** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.03475	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-199310** Units: **mg/L** Analysis Date: **24-Aug-2023 12:37**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507997** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199406 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-199358** Units: **mg/L** Analysis Date: **24-Aug-2023 12:33**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507995** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-199356** Units: **mg/L** Analysis Date: **24-Aug-2023 12:29**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507993** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199406** Units: **mg/L** Analysis Date: **24-Aug-2023 12:26**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507992** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199406 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-199406** Units: **mg/L** Analysis Date: **24-Aug-2023 12:39**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7507998** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05197	0.00500	0.05	0	104	80 - 120				
Barium	0.05087	0.0200	0.05	0	102	80 - 120				
Cadmium	0.05233	0.00500	0.05	0	105	80 - 120				
Chromium	0.05035	0.00500	0.05	0	101	80 - 120				
Lead	0.04898	0.00500	0.05	0	98.0	80 - 120				
Selenium	0.05401	0.00500	0.05	0	108	80 - 120				
Silver	0.04967	0.00500	0.05	0	99.3	80 - 120				

MS Sample ID: **HS23081068-01MS** Units: **mg/L** Analysis Date: **24-Aug-2023 12:55**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508006** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5218	0.0500	0.5	0.00283	104	80 - 120				
Barium	1.083	0.200	0.5	0.4795	121	80 - 120				S
Cadmium	0.5224	0.0500	0.5	0.00027	104	80 - 120				
Chromium	0.5007	0.0500	0.5	0.00202	99.7	80 - 120				
Lead	0.5007	0.0500	0.5	0.08898	82.3	80 - 120				
Selenium	0.5346	0.0500	0.5	0.00187	107	80 - 120				
Silver	0.4921	0.0500	0.5	0.00016	98.4	80 - 120				

MSD Sample ID: **HS23081068-01MSD** Units: **mg/L** Analysis Date: **24-Aug-2023 12:57**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508007** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5224	0.0500	0.5	0.00283	104	80 - 120	0.5218	0.105	20	
Barium	1.052	0.200	0.5	0.4795	115	80 - 120	1.083	2.83	20	
Cadmium	0.5223	0.0500	0.5	0.00027	104	80 - 120	0.5224	0.023	20	
Chromium	0.4998	0.0500	0.5	0.00202	99.6	80 - 120	0.5007	0.178	20	
Lead	0.5025	0.0500	0.5	0.08898	82.7	80 - 120	0.5007	0.365	20	
Selenium	0.5377	0.0500	0.5	0.00187	107	80 - 120	0.5346	0.589	20	
Silver	0.4828	0.0500	0.5	0.00016	96.5	80 - 120	0.4921	1.91	20	

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199406 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23081068-01PDS** Units: **mg/L** Analysis Date: **24-Aug-2023 12:59**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508008** PrepDate: **23-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.044	0.0500	1	0.00283	104	75 - 125				
Barium	1.461	0.200	1	0.4795	98.2	75 - 125				
Cadmium	1.035	0.0500	1	0.00027	104	75 - 125				
Chromium	0.9761	0.0500	1	0.00202	97.4	75 - 125				
Lead	0.982	0.0500	1	0.08898	89.3	75 - 125				
Selenium	1.085	0.0500	1	0.00187	108	75 - 125				
Silver	0.9653	0.0500	1	0.00016	96.5	75 - 125				

SD Sample ID: **HS23081068-01SD** Units: **mg/L** Analysis Date: **24-Aug-2023 12:53**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508005** PrepDate: **23-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00283	0	10	
Barium	0.4872	1.00					0.4795	0	10	J
Cadmium	U	0.250					0.00027	0	10	
Chromium	U	0.250					0.00202	0	10	
Lead	0.09632	0.250					0.08898	0	10	J
Selenium	U	0.250					0.00187	0	10	
Silver	U	0.250					0.00016	0	10	

The following samples were analyzed in this batch:

HS23081230-02	HS23081230-03	HS23081230-05	HS23081230-06
HS23081230-07	HS23081230-08	HS23081230-09	HS23081230-10

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199453 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199357** Units: **mg/L** Analysis Date: **24-Aug-2023 15:58**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508613** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.1304	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-199310** Units: **mg/L** Analysis Date: **24-Aug-2023 16:02**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508615** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	0.000625	0.00500								J
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

MBLK Sample ID: **MBLKT3-199228** Units: **mg/L** Analysis Date: **24-Aug-2023 16:00**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508614** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.01024	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199453 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT1-199356** Units: **mg/L** Analysis Date: **24-Aug-2023 15:56**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508612** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00856	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199453** Units: **mg/L** Analysis Date: **24-Aug-2023 15:54**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508611** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

LCS Sample ID: **LCS-199453** Units: **mg/L** Analysis Date: **24-Aug-2023 16:04**
Client ID: Run ID: **ICPMS05_444738** SeqNo: **7508616** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05279	0.00500	0.05	0	106	80 - 120				
Barium	0.04979	0.0200	0.05	0	99.6	80 - 120				
Cadmium	0.05018	0.00500	0.05	0	100	80 - 120				
Chromium	0.04935	0.00500	0.05	0	98.7	80 - 120				
Lead	0.04813	0.00500	0.05	0	96.3	80 - 120				
Selenium	0.05517	0.00500	0.05	0	110	80 - 120				
Silver	0.04854	0.00500	0.05	0	97.1	80 - 120				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199453 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MS Sample ID: **HS23081230-11MS** Units: **mg/L** Analysis Date: **24-Aug-2023 16:28**
Client ID: **SP-106** Run ID: **ICPMS05_444738** SeqNo: **7508627** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5513	0.0500	0.5	0.00237	110	80 - 120				
Barium	0.6787	0.200	0.5	0.1485	106	80 - 120				
Cadmium	0.5098	0.0500	0.5	0.00614	101	80 - 120				
Chromium	0.5023	0.0500	0.5	0.01243	98.0	80 - 120				
Lead	0.6387	0.0500	0.5	0.1324	101	80 - 120				
Selenium	0.5694	0.0500	0.5	0.00493	113	80 - 120				
Silver	0.4694	0.0500	0.5	0.00003	93.9	80 - 120				

MSD Sample ID: **HS23081230-11MSD** Units: **mg/L** Analysis Date: **24-Aug-2023 16:29**
Client ID: **SP-106** Run ID: **ICPMS05_444738** SeqNo: **7508628** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5505	0.0500	0.5	0.00237	110	80 - 120	0.5513	0.16	20	
Barium	0.6748	0.200	0.5	0.1485	105	80 - 120	0.6787	0.587	20	
Cadmium	0.5153	0.0500	0.5	0.00614	102	80 - 120	0.5098	1.08	20	
Chromium	0.5048	0.0500	0.5	0.01243	98.5	80 - 120	0.5023	0.512	20	
Lead	0.6301	0.0500	0.5	0.1324	99.5	80 - 120	0.6387	1.36	20	
Selenium	0.5879	0.0500	0.5	0.00493	117	80 - 120	0.5694	3.19	20	
Silver	0.4724	0.0500	0.5	0.00003	94.5	80 - 120	0.4694	0.641	20	

PDS Sample ID: **HS23081230-11PDS** Units: **mg/L** Analysis Date: **24-Aug-2023 16:31**
Client ID: **SP-106** Run ID: **ICPMS05_444738** SeqNo: **7508629** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.115	0.0500	1	0.00237	111	75 - 125				
Barium	1.22	0.200	1	0.1485	107	75 - 125				
Cadmium	1.041	0.0500	1	0.00614	103	75 - 125				
Chromium	0.9949	0.0500	1	0.01243	98.2	75 - 125				
Lead	1.139	0.0500	1	0.1324	101	75 - 125				
Selenium	1.18	0.0500	1	0.00493	118	75 - 125				
Silver	0.9513	0.0500	1	0.00003	95.1	75 - 125				

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199453 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23081230-11SD** Units: **mg/L** Analysis Date: **24-Aug-2023 16:26**
Client ID: **SP-106** Run ID: **ICPMS05_444738** SeqNo: **7508626** PrepDate: **24-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00237	0	10	
Barium	0.1411	1.00					0.1485	0	10	J
Cadmium	U	0.250					0.00614	0	10	
Chromium	U	0.250					0.01243	0	10	
Lead	0.135	0.250					0.1324	0	10	J
Selenium	U	0.250					0.00493	0	10	
Silver	U	0.250					0.00003	0	10	

The following samples were analyzed in this batch: HS23081230-11 HS23081230-14 HS23081230-15 HS23081230-16
HS23081230-18 HS23081230-19 HS23081230-20 HS23081230-21

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199455 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199308** Units: **mg/L** Analysis Date: **24-Aug-2023 11:40**
Client ID: Run ID: **HG04_444783** SeqNo: **7508370** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199351** Units: **mg/L** Analysis Date: **24-Aug-2023 11:43**
Client ID: Run ID: **HG04_444783** SeqNo: **7508372** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-199355** Units: **mg/L** Analysis Date: **24-Aug-2023 11:47**
Client ID: Run ID: **HG04_444783** SeqNo: **7508374** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-199175** Units: **mg/L** Analysis Date: **24-Aug-2023 11:45**
Client ID: Run ID: **HG04_444783** SeqNo: **7508373** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199353** Units: **mg/L** Analysis Date: **24-Aug-2023 11:42**
Client ID: Run ID: **HG04_444783** SeqNo: **7508371** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198908** Units: **mg/L** Analysis Date: **24-Aug-2023 11:38**
Client ID: Run ID: **HG04_444783** SeqNo: **7508369** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199455 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-199455** Units: **mg/L** Analysis Date: **24-Aug-2023 11:35**
Client ID: Run ID: **HG04_444783** SeqNo: **7508367** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-199455** Units: **mg/L** Analysis Date: **24-Aug-2023 11:36**
Client ID: Run ID: **HG04_444783** SeqNo: **7508368** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00486	0.000200	0.005	0	97.2	80 - 120				

MS Sample ID: **HS23080705-04MS** Units: **mg/L** Analysis Date: **24-Aug-2023 12:05**
Client ID: Run ID: **HG04_444783** SeqNo: **7508380** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00481	0.000200	0.005	0	96.2	75 - 125				

MSD Sample ID: **HS23080705-04MSD** Units: **mg/L** Analysis Date: **24-Aug-2023 12:07**
Client ID: Run ID: **HG04_444783** SeqNo: **7508381** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00489	0.000200	0.005	0	97.8	75 - 125	0.00481	1.65	20	

The following samples were analyzed in this batch: HS23081230-02 HS23081230-03 HS23081230-05 HS23081230-06 HS23081230-07

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199457 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199353** Units: **mg/L** Analysis Date: **24-Aug-2023 12:55**
Client ID: Run ID: **HG04_444783** SeqNo: **7508406** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199226** Units: **mg/L** Analysis Date: **24-Aug-2023 12:59**
Client ID: Run ID: **HG04_444783** SeqNo: **7508408** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-199308** Units: **mg/L** Analysis Date: **24-Aug-2023 13:00**
Client ID: Run ID: **HG04_444783** SeqNo: **7508336** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199175** Units: **mg/L** Analysis Date: **24-Aug-2023 12:57**
Client ID: Run ID: **HG04_444783** SeqNo: **7508407** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-199351** Units: **mg/L** Analysis Date: **24-Aug-2023 12:53**
Client ID: Run ID: **HG04_444783** SeqNo: **7508405** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199457** Units: **mg/L** Analysis Date: **24-Aug-2023 12:50**
Client ID: Run ID: **HG04_444783** SeqNo: **7508403** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: 199457 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199457** Units: **mg/L** Analysis Date: **24-Aug-2023 12:52**
Client ID: Run ID: **HG04_444783** SeqNo: **7508404** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00531	0.000200	0.005	0	106	80 - 120				

MS Sample ID: **HS23081230-08MS** Units: **mg/L** Analysis Date: **24-Aug-2023 13:20**
Client ID: **SP-103** Run ID: **HG04_444783** SeqNo: **7508346** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00522	0.000200	0.005	0.000006	104	75 - 125				

MSD Sample ID: **HS23081230-08MSD** Units: **mg/L** Analysis Date: **24-Aug-2023 13:21**
Client ID: **SP-103** Run ID: **HG04_444783** SeqNo: **7508347** PrepDate: **24-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00507	0.000200	0.005	0.000006	101	75 - 125	0.00522	2.92	20	

The following samples were analyzed in this batch:

HS23081230-08	HS23081230-09	HS23081230-10	HS23081230-11
HS23081230-14	HS23081230-15	HS23081230-16	HS23081230-18
HS23081230-19	HS23081230-20	HS23081230-21	

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: HS23081230

QC BATCH REPORT

Batch ID: **R444857 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23081223-10DUP** Units: **wt%** Analysis Date: **24-Aug-2023 08:31**
Client ID: Run ID: **Balance1_444857** SeqNo: **7510076** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	3.57	0.0100					3.49	2.27	20	

The following samples were analyzed in this batch:

HS23081230-01	HS23081230-04	HS23081230-12	HS23081230-13
HS23081230-17	HS23081230-22	HS23081230-23	

Client: WSP Golder
Project: Frisco CDC Interim Action
WorkOrder: **HS23081230**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23081230 **Date/Time Received:** **18-Aug-2023 09:50**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	19-Aug-2023 14:27	**Reviewed by:**	/S/ Tyler Monroe	22-Aug-2023 10:45
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	3 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298863 , 298864 , 298719
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	4.0UC/3.9C	IR31
Cooler(s)/Kit(s):	49159	
Date/Time sample(s) sent to storage:	8/19/23	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

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Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 298863

HS23081230 , WV

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Cd, Se, Sb, Pb, (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.wedep@wsp.com	I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SDAS006-1	8/16/23	8:20	SS		1					✓						
2	SP-98		8:50			1	✓										
3	SP-99		8:55			1	✓										
4	SDAS005-1		9:50			1					✓						
5	SP-100		10:17			1	✓										
6	SP-101		10:21			1	✓										
7	SP-102		10:25			1	✓										
8	SP-103		13:40			1	✓										
9	SP-104		13:43			1	✓										
10	SP-105		13:46			1	✓										

Sampler(s) Please Print & Sign: Nihaag Katoch Katoch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other _____ ☐ STD 10 Wk Deys ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: Katoch	Date: 8/17/23	Time: 15:00	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 8-18-23 0930	Cooler ID: 4913 1821	Cooler Temp: 4.0°
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		

QC Package: (Check One Box Below)
☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
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3. The Chain of Custody is a legal document. All information must be completed accurately.

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Chain of Custody Form

Page _____ of _____

COC ID: 298864

HS23081230

WSP Golder

Frisco Pre-Excavation Soil

, WV

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Cd, Sb, Se, Pb (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.wedge@wsp.com	I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-106	8/16/'23	13:50	SS		1	✓										
2	SDASO04-1		14:45			1					✓						
3	SDASO03-1		14:55			1					✓						
4	SP-107		15:35			1	✓										
5	SP-108		16:24	SS		1	✓										
6	SP-109		17:10	SS		1	✓										
7	CL2LF001-1	8/17/'23	10:30	SS		1					✓						
8	SP-110		8:50			1	✓										
9	SP-111		9:05			1	✓										
10	SP-112 H-SP-113		10:55			1	✓										

Sampler(s) Please Print & Sign: Nihaar Kotoch Kotoch

Shipment Method: H-00

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Kotoch	8/17/'23	15:00	
Relinquished by:	Date:	Time:	Received by (Laboratory): CH 8-18-23 0950
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Chain of Custody Form

Page _____ of _____

COC ID: 298719

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Cd, Sb, Se, Pb (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	william.wedge@wsp.com	Fax		I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-113	8/17/23	11:00	SS		1	✓										
2	CW010	↓	13:20	↓		1					✓						
3	CW011	↓	13:30	↓		1					✓						
4																	
5																	
6																	
7																	
8																	
9																	
10																	

HS23081230
WSP Golder
Frisco Pre-Excavation Soil

Sampler(s) Please Print & Sign: Nihaar Katoch Katoch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Katoch	8/17/23	15:00	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			CG 8-18-23 0940
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)
☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

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Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

49159

CUSTODY SEAL
Date: 8/17/23 Time: 16:00
Name: Nihaar K
Company: WSP

Seal Broken By:
Date: 08/18/23

49159 AUG 18 2023 AUG 18 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

49159

CUSTODY SEAL
Date: 8/17/23 Time: 16:00
Name: Nihaar K
Company: WSP

Seal Broken By:
Date: 08/18/23

ALS

RT 917
FZ B03

1
10:30
2555
08.18

49159

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 16AUG23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 630-5666
REF: FRISCO PRE EXAVATION = BO 94989 - TM

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3004 2555

FRI - 18 AUG 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US IAH

Data Usability Summary

To:	Tim Jennings	Date:	September 25, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23090098.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected September 1, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

Analytes detected in laboratory method blanks are listed in Table 2. Analytes detected in continuing calibration blanks are listed in Table 2.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. No project samples were analyzed as MS/MSD.

POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. PDS recoveries were within the acceptance criteria of 70 to 130 %R. Serial dilution precision was within 20 percent difference (%D) for samples with results greater than 50 times the sample detection limit.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected collected July 31, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CW001-02	HS23081230-01	X	

Table 3 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
ICPMS07_445471 CCB 13	Antimony	1.348 µg/L	0.110	No data are qualified
ICPMS07_445471 CCB 13	Arsenic	0.603 µg/L	0.120	No data are qualified
ICPMS07_445471 CCB 13	Cadmium	0.443 µg/L	0.088	No data are qualified
MBLK-199852	Arsenic	0.07008	0.140	No data are qualified
MBLK-199852	Cadmium	0.07376	0.148	No data are qualified
MBLK-199852	Lead	0.07327	0.147	No data are qualified

mg/kg – Milligram per kilogram

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 08, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23090098**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 2 sample(s) on Sep 02, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090098**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23090098**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090098
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199852,199901,200052,R445511

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090098
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199852,199901,200052,R445511

#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090098
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199852,199901,200052,R445511

ER#[5]	Description
1	Batch 199852, Metals Method SW6020, sample HS23090038-01, MS and MSD were performed on unrelated sample.
2	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098
Start Date: 05-Sep-2023 End Date: 06-Sep-2023

Run ID:ICPMS07_445471
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	05-Sep-2023 10:58	028_ICV.d	AS CD PB SB SE
LLICV2	1	05-Sep-2023 11:03	030LCV2.d	AS CD PB SB SE
LLICV5	1	05-Sep-2023 11:06	031LCV5.d	AS CD PB SB SE
ICB	1	05-Sep-2023 11:10	033_ICB.d	AS CD PB SB SE
ICSA	1	05-Sep-2023 11:13	034ICSA.d	AS CD PB SB SE
ICSAB	1	05-Sep-2023 11:15	035ICSB.d	AS CD PB SB SE
CCV 1	1	05-Sep-2023 11:22	037_CCV.d	AS CD PB SB SE
CCB 1	1	05-Sep-2023 11:24	038_CCB.d	AS CD PB SB SE
CCV 2	1	05-Sep-2023 11:50	049_CCV.d	AS CD PB SB SE
CCB 2	1	05-Sep-2023 11:53	050_CCB.d	AS CD PB SB SE
CCB 3	1	05-Sep-2023 12:23	061_CCB.d	AS CD PB SB SE
CCB 4	1	05-Sep-2023 12:25	062_CCB.d	AS CD PB SB SE
CCV 3	1	05-Sep-2023 12:27	063_CCV.d	AS CD PB SB SE
CCB 5	1	05-Sep-2023 13:05	074_CCB.d	AS CD PB SB SE
CCB 6	1	05-Sep-2023 13:10	075_CCB.d	AS CD PB SB SE
CCV 4	1	05-Sep-2023 13:12	076_CCV.d	AS CD PB SB SE
CCB 7	1	05-Sep-2023 13:40	087_CCB.d	AS CD PB SB SE
CCB 8	1	05-Sep-2023 13:45	088_CCB.d	AS CD PB SB SE
CCV 5	1	05-Sep-2023 13:47	089_CCV.d	AS CD PB SB SE
MBLK-199852	1	05-Sep-2023 13:50	090SMPL.d	AS CD PB SB SE
LCS-199852	1	05-Sep-2023 13:52	091SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	05-Sep-2023 13:57	093SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	05-Sep-2023 13:59	094SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	05-Sep-2023 14:02	095SMPL.d	AS CD PB SB SE
ZZZZZZPDS	1	05-Sep-2023 14:04	096SMPL.d	AS CD PB SB SE
CCB 9	1	05-Sep-2023 14:16	100_CCB.d	AS CD PB SB SE
CCB 10	1	05-Sep-2023 14:20	101_CCB.d	AS CD PB SB SE
CCV 6	1	05-Sep-2023 14:22	102_CCV.d	AS CD PB SB SE
CCB 11	1	05-Sep-2023 14:56	113_CCB.d	AS CD PB SB SE
CCV 7	1	05-Sep-2023 14:58	114_CCV.d	AS CD PB SB SE
ZZZZZZPDS	20	05-Sep-2023 15:05	117SMPL.d	
ZZZZZZSD	100	05-Sep-2023 15:15	121SMPL.d	
CCB 12	1	05-Sep-2023 15:24	125_CCB.d	AS CD PB SB SE
CCV 8	1	05-Sep-2023 15:27	126_CCV.d	AS CD PB SB SE
CW001-02	1	05-Sep-2023 15:29	127SMPL.d	AS CD PB SB SE
CCB 13	1	05-Sep-2023 15:55	138_CCB.d	AS CD PB SB SE
CCB 14	1	05-Sep-2023 16:00	139_CCB.d	AS CD PB SB SE
CCV 9	1	05-Sep-2023 16:03	140_CCV.d	AS CD PB SB SE
CCB 15	1	05-Sep-2023 16:29	151_CCB.d	AS CD PB SB SE
CCB 16	1	05-Sep-2023 16:37	152_CCB.d	AS CD PB SB SE
CCV 10	1	05-Sep-2023 16:39	153_CCV.d	AS CD PB SB SE
CCV 11	1	05-Sep-2023 19:08	158_CCV.d	AS CD PB SB SE
CCB 17	1	05-Sep-2023 19:10	159_CCB.d	AS CD PB SB SE
CCV 12	1	05-Sep-2023 19:36	170_CCV.d	AS CD PB SB SE
CCB 18	1	05-Sep-2023 19:39	171_CCB.d	AS CD PB SB SE
CCV 13	1	05-Sep-2023 20:02	179_CCV.d	AS CD PB SB SE
CCB 19	1	05-Sep-2023 20:05	180_CCB.d	AS CD PB SB SE
CCV 14	1	05-Sep-2023 20:31	190_CCV.d	AS CD PB SB SE
CCB 20	1	05-Sep-2023 20:33	191_CCB.d	AS CD PB SB SE
CCV 15	1	05-Sep-2023 20:51	198_CCV.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098
Start Date: 05-Sep-2023 End Date: 06-Sep-2023

Run ID:ICPMS07_445471
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCB 21	1	05-Sep-2023 20:53	199_CCB.d	AS CD PB SB SE
CCB 22	1	05-Sep-2023 20:58	201_CCB.d	AS CD PB SB SE
CCV 16	1	05-Sep-2023 21:11	204_CCV.d	AS CD PB SB SE
CCB 23	1	05-Sep-2023 21:13	205_CCB.d	AS CD PB SB SE
CCV 17	1	05-Sep-2023 21:39	214_CCV.d	AS CD PB SB SE
CCB 24	1	05-Sep-2023 21:41	215_CCB.d	AS CD PB SB SE
CCV 18	1	05-Sep-2023 22:06	224_CCV.d	AS CD PB SB SE
CCB 25	1	05-Sep-2023 22:09	225_CCB.d	AS CD PB SB SE
CCV 19	1	05-Sep-2023 22:34	234_CCV.d	AS CD PB SB SE
CCB 26	1	05-Sep-2023 22:37	235_CCB.d	AS CD PB SB SE
CCV 20	1	05-Sep-2023 23:00	243_CCV.d	AS CD PB SB SE
CCB 27	1	05-Sep-2023 23:02	244_CCB.d	AS CD PB SB SE
CCV 21	1	05-Sep-2023 23:28	253_CCV.d	AS CD PB SB SE
CCB 28	1	05-Sep-2023 23:30	254_CCB.d	AS CD PB SB SE
CCV 22	1	05-Sep-2023 23:56	263_CCV.d	AS CD PB SB SE
CCB 29	1	05-Sep-2023 23:59	264_CCB.d	AS CD PB SB SE
LLCCV2	1	06-Sep-2023 00:01	265LCV2.d	AS CD PB SB SE
LLCCV5	1	06-Sep-2023 00:04	266LCV5.d	AS CD PB SB SE
ICSA	1	06-Sep-2023 00:07	267ICSA.d	AS CD PB SB SE
ICSAB	1	06-Sep-2023 00:10	268ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

Run ID:ICPMS07_445471
Instrument:ICPMS07
Method:SW6020A

CCB 1	Date: 05-Sep-2023 11:24	Seq: 7524534	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.691	0.4	2	
Arsenic	0.816	0.4	2	
Cadmium	0.745	0.2	2	
Lead	0.72	0.6	2	

CCB 2	Date: 05-Sep-2023 11:53	Seq: 7524552	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.604	0.4	2	
Arsenic	0.863	0.4	2	
Cadmium	0.64	0.2	2	
Lead	0.949	0.6	2	

CCB 3	Date: 05-Sep-2023 12:23	Seq: 7524633	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.82	0.4	2	
Cadmium	-0.223	0.2	2	

CCB 4	Date: 05-Sep-2023 12:25	Seq: 7524634	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.924	0.4	2	
Cadmium	-0.237	0.2	2	

CCB 5	Date: 05-Sep-2023 13:05	Seq: 7524700	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	-0.251	0.2	2	

CCB 6	Date: 05-Sep-2023 13:10	Seq: 7524701	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	-0.249	0.2	2	

CCB 7	Date: 05-Sep-2023 13:40	Seq: 7524851	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.534	0.4	2	

CCB 10	Date: 05-Sep-2023 14:20	Seq: 7524910	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	-0.235	0.2	2	

CCB 11	Date: 05-Sep-2023 14:56	Seq: 7525144	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	-0.246	0.2	2	

CCB 12	Date: 05-Sep-2023 15:24	Seq: 7525303	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	-0.233	0.2	2	

CCB 13	Date: 05-Sep-2023 15:55	Seq: 7525412	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.553	0.4	2	
Arsenic	0.603	0.4	2	
Cadmium	0.443	0.2	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

Run ID:ICPMS07_445471
Instrument:ICPMS07
Method:SW6020A

	Selenium	1.348	1.1	2	
CCB 14	Date: 05-Sep-2023 16:00	Seq: 7525413	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Cadmium	-0.203	0.2	2	
CCB 15	Date: 05-Sep-2023 16:29	Seq: 7525560	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	-0.425	0.4	2	
	Cadmium	-0.238	0.2	2	
CCB 16	Date: 05-Sep-2023 16:37	Seq: 7525561	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Cadmium	-0.252	0.2	2	
CCB 17	Date: 05-Sep-2023 19:10	Seq: 7525950	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.501	0.4	2	
	Arsenic	0.6	0.4	2	
	Cadmium	0.507	0.2	2	
	Selenium	1.126	1.1	2	
CCB 18	Date: 05-Sep-2023 19:39	Seq: 7525962	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.595	0.4	2	
	Cadmium	0.315	0.2	2	
CCB 19	Date: 05-Sep-2023 20:05	Seq: 7525971	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	0.418	0.4	2	
	Arsenic	0.566	0.4	2	
	Cadmium	0.453	0.2	2	
CCB 20	Date: 05-Sep-2023 20:33	Seq: 7525982	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.959	0.4	2	
	Arsenic	0.877	0.4	2	
	Cadmium	1.203	0.2	2	
	Lead	1.173	0.6	2	
	Selenium	1.229	1.1	2	
CCB 21	Date: 05-Sep-2023 20:53	Seq: 7525990	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Antimony	1.813	0.4	2	
	Arsenic	0.687	0.4	2	
	Cadmium	1.214	0.2	2	
	Lead	2.653	0.6	2	
CCB 22	Date: 05-Sep-2023 20:58	Seq: 7525992	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	
	Lead	0.615	0.6	2	
CCB 23	Date: 05-Sep-2023 21:13	Seq: 7525996	D/F: 1	Units: ug/L	
	Analyte	**Result**	**MDL**	**Report Limit**	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

Run ID:ICPMS07_445471
Instrument:ICPMS07
Method:SW6020A

Antimony	0.669	0.4	2	
Arsenic	0.469	0.4	2	
Cadmium	0.633	0.2	2	
Selenium	1.307	1.1	2	

CCB 24 Date: 05-Sep-2023 21:41 Seq: 7526010 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	0.535	0.4	2
Arsenic	0.453	0.4	2
Cadmium	0.655	0.2	2
Lead	0.635	0.6	2

CCB 25 Date: 05-Sep-2023 22:09 Seq: 7526000 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	0.499	0.4	2
Arsenic	0.523	0.4	2
Cadmium	0.505	0.2	2

CCB 26 Date: 05-Sep-2023 22:37 Seq: 7526037 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Cadmium	-0.255	0.2	2

CCB 27 Date: 05-Sep-2023 23:02 Seq: 7526046 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Cadmium	-0.23	0.2	2

CCB 28 Date: 05-Sep-2023 23:30 Seq: 7526056 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Cadmium	-0.232	0.2	2

CCB 29 Date: 05-Sep-2023 23:59 Seq: 7526066 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Antimony	-0.436	0.4	2
Cadmium	-0.243	0.2	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23090098

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23090098-01	CW001-02	Soil		01-Sep-2023 10:35	02-Sep-2023 08:50	☐
HS23090098-02	SP-114	Soil		01-Sep-2023 11:20	02-Sep-2023 08:50	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW001-02
Collection Date: 01-Sep-2023 10:35

ANALYTICAL REPORT
WorkOrder:HS23090098
Lab ID:HS23090098-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 05-Sep-2023		Analyst: MSC
Antimony	**0.168**	J	**0.0789**	**0.607**	**mg/Kg-dry**	1	05-Sep-2023 15:29
Arsenic	**10.9**		**0.0850**	**0.607**	**mg/Kg-dry**	1	05-Sep-2023 15:29
Cadmium	**1.15**		**0.0328**	**0.607**	**mg/Kg-dry**	1	05-Sep-2023 15:29
Lead	**36.2**		**0.0158**	**0.607**	**mg/Kg-dry**	1	05-Sep-2023 15:29
Selenium	**1.28**		**0.110**	**0.607**	**mg/Kg-dry**	1	05-Sep-2023 15:29
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**21.7**		**0.0100**	**0.0100**	**wt%**	1	05-Sep-2023 10:10

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-114
Collection Date: 01-Sep-2023 11:20

ANALYTICAL REPORT
WorkOrder:HS23090098
Lab ID:HS23090098-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 06-Sep-2023	Prep:SW3010A / 06-Sep-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	06-Sep-2023 15:02
Barium	**0.884**		**0.0190**	**0.200**	**mg/L**	1	06-Sep-2023 15:02
Cadmium	**0.00749**	J	**0.00200**	**0.0500**	**mg/L**	1	06-Sep-2023 15:02
Chromium	**0.00811**	J	**0.00400**	**0.0500**	**mg/L**	1	06-Sep-2023 15:02
Lead	U		0.00600	0.0500	mg/L	1	06-Sep-2023 15:02
Selenium	U		0.0110	0.0500	mg/L	1	06-Sep-2023 15:02
Silver	U		0.00200	0.0500	mg/L	1	06-Sep-2023 15:02
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 06-Sep-2023	Prep:SW7470A / 07-Sep-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	07-Sep-2023 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

Batch ID: 199852 **Start Date:** 05 Sep 2023 07:30 **End Date:** 05 Sep 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090098-01		0.5261 (g)	50 (mL)	95.04	4-oz glass, Neat

Batch ID: 199901 **Start Date:** 06 Sep 2023 09:00 **End Date:** 06 Sep 2023 09:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090098-02		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 199949 **Start Date:** 05 Sep 2023 15:00 **End Date:** 05 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090098-02		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 199950 **Start Date:** 05 Sep 2023 15:00 **End Date:** 05 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090098-02		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200052 **Start Date:** 07 Sep 2023 08:00 **End Date:** 07 Sep 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090098-02		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199852 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23090098-01	CW001-02	01 Sep 2023 10:35		05 Sep 2023 07:30	05 Sep 2023 15:29	1
Batch ID: 199901 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23090098-02	SP-114	01 Sep 2023 11:20	06 Sep 2023 08:00	06 Sep 2023 09:00	06 Sep 2023 15:02	1
Batch ID: 200052 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23090098-02	SP-114	01 Sep 2023 11:20	06 Sep 2023 08:00	07 Sep 2023 08:00	07 Sep 2023 13:39	1
Batch ID: R445511 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23090098-01	CW001-02	01 Sep 2023 10:35			05 Sep 2023 10:10	1

WorkOrder: HS23090098
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23090098
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23090098
InstrumentID: ICPMS07
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.109	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.112	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.110	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	0.200	0.243	0.0910	0.500

WorkOrder: HS23090098
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199852 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-199852** Units: **mg/Kg** Analysis Date: **05-Sep-2023 13:50**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524894** PrepDate: **05-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	0.07008	0.498								J
Cadmium	0.07376	0.498								J
Lead	0.07327	0.498								J
Selenium	U	0.498								

LCS Sample ID: **LCS-199852** Units: **mg/Kg** Analysis Date: **05-Sep-2023 13:52**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524895** PrepDate: **05-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	8.772	0.497	9.948	0	88.2	80 - 120				
Arsenic	9.659	0.497	9.948	0	97.1	80 - 120				
Cadmium	9.452	0.497	9.948	0	95.0	80 - 120				
Lead	9.838	0.497	9.948	0	98.9	80 - 120				
Selenium	9.673	0.497	9.948	0	97.2	80 - 120				

MS Sample ID: **HS23090038-01MS** Units: **mg/Kg** Analysis Date: **05-Sep-2023 13:59**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524898** PrepDate: **05-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.798	0.457	9.132	0.2618	27.8	75 - 125				S
Arsenic	10.09	0.457	9.132	1.952	89.1	75 - 125				
Cadmium	8.511	0.457	9.132	0.1473	91.6	75 - 125				
Lead	15.12	0.457	9.132	5.711	103	75 - 125				
Selenium	8.27	0.457	9.132	0.5441	84.6	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199852 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23090038-01MSD** Units: **mg/Kg** Analysis Date: **05-Sep-2023 14:02**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524899** PrepDate: **05-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.921	0.472	9.439	0.2618	28.2	75 - 125	2.798	4.3	20	S
Arsenic	10.5	0.472	9.439	1.952	90.6	75 - 125	10.09	4.04	20	
Cadmium	8.994	0.472	9.439	0.1473	93.7	75 - 125	8.511	5.52	20	
Lead	15.63	0.472	9.439	5.711	105	75 - 125	15.12	3.33	20	
Selenium	8.569	0.472	9.439	0.5441	85.0	75 - 125	8.27	3.56	20	

PDS Sample ID: **HS23090038-01PDS** Units: **mg/Kg** Analysis Date: **05-Sep-2023 14:04**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524900** PrepDate: **05-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.419	0.483	9.651	0.2618	94.9	75 - 125				
Arsenic	11.2	0.483	9.651	1.952	95.8	75 - 125				
Cadmium	8.987	0.483	9.651	0.1473	91.6	75 - 125				
Lead	15.38	0.483	9.651	5.711	100	75 - 125				
Selenium	9.59	0.483	9.651	0.5441	93.7	75 - 125				

SD Sample ID: **HS23090038-01SD** Units: **mg/Kg** Analysis Date: **05-Sep-2023 13:57**
Client ID: Run ID: **ICPMS07_445471** SeqNo: **7524897** PrepDate: **05-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	0.4036	2.41					0.2618	0	10	J
Arsenic	2.252	2.41					1.952	0	10	J
Cadmium	U	2.41					0.1473	0	10	
Lead	6.009	2.41					5.711	5.23	10	
Selenium	0.5682	2.41					0.5441	0	10	J

The following samples were analyzed in this batch: HS23090098-01

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199901 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199821** Units: **mg/L** Analysis Date: **06-Sep-2023 14:43**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527809** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-199629** Units: **mg/L** Analysis Date: **06-Sep-2023 14:47**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527811** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT6-199687** Units: **mg/L** Analysis Date: **06-Sep-2023 14:51**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527813** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199901 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT7-199545** Units: **mg/L** Analysis Date: **06-Sep-2023 14:58**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527816** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-199630** Units: **mg/L** Analysis Date: **06-Sep-2023 14:49**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527812** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-199744** Units: **mg/L** Analysis Date: **06-Sep-2023 14:45**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527810** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199901 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT1-199950** Units: **mg/L** Analysis Date: **06-Sep-2023 14:41**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527808** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00709	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-199901** Units: **mg/L** Analysis Date: **06-Sep-2023 14:39**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527807** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

LCS Sample ID: **LCS-199901** Units: **mg/L** Analysis Date: **06-Sep-2023 15:00**
Client ID: Run ID: **ICPMS06_445587** SeqNo: **7527817** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04908	0.00500	0.05	0	98.2	80 - 120				
Barium	0.04593	0.0200	0.05	0	91.9	80 - 120				
Cadmium	0.04825	0.00500	0.05	0	96.5	80 - 120				
Chromium	0.04901	0.00500	0.05	0	98.0	80 - 120				
Lead	0.04638	0.00500	0.05	0	92.8	80 - 120				
Selenium	0.04868	0.00500	0.05	0	97.4	80 - 120				
Silver	0.04757	0.00500	0.05	0	95.1	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199901 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MS Sample ID: **HS23090098-02MS** Units: **mg/L** Analysis Date: **06-Sep-2023 15:06**
Client ID: **SP-114** Run ID: **ICPMS06_445587** SeqNo: **7527820** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4864	0.0500	0.5	0.00098	97.1	80 - 120				
Barium	1.393	0.200	0.5	0.8844	102	80 - 120				
Cadmium	0.4914	0.0500	0.5	0.00749	96.8	80 - 120				
Chromium	0.4799	0.0500	0.5	0.00811	94.4	80 - 120				
Lead	0.4829	0.0500	0.5	0.00192	96.2	80 - 120				
Selenium	0.4966	0.0500	0.5	0.00031	99.3	80 - 120				
Silver	0.4668	0.0500	0.5	0.00079	93.2	80 - 120				

MSD Sample ID: **HS23090098-02MSD** Units: **mg/L** Analysis Date: **06-Sep-2023 15:07**
Client ID: **SP-114** Run ID: **ICPMS06_445587** SeqNo: **7527821** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4909	0.0500	0.5	0.00098	98.0	80 - 120	0.4864	0.913	20	
Barium	1.411	0.200	0.5	0.8844	105	80 - 120	1.393	1.29	20	
Cadmium	0.4959	0.0500	0.5	0.00749	97.7	80 - 120	0.4914	0.916	20	
Chromium	0.4926	0.0500	0.5	0.00811	96.9	80 - 120	0.4799	2.61	20	
Lead	0.4852	0.0500	0.5	0.00192	96.6	80 - 120	0.4829	0.471	20	
Selenium	0.491	0.0500	0.5	0.00031	98.1	80 - 120	0.4966	1.14	20	
Silver	0.4726	0.0500	0.5	0.00079	94.4	80 - 120	0.4668	1.25	20	

PDS Sample ID: **HS23090098-02PDS** Units: **mg/L** Analysis Date: **06-Sep-2023 15:09**
Client ID: **SP-114** Run ID: **ICPMS06_445587** SeqNo: **7527822** PrepDate: **06-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.004	0.0500	1	0.00098	100	75 - 125				
Barium	1.872	0.200	1	0.8844	98.8	75 - 125				
Cadmium	1.009	0.0500	1	0.00749	100	75 - 125				
Chromium	0.992	0.0500	1	0.00811	98.4	75 - 125				
Lead	0.9666	0.0500	1	0.00192	96.5	75 - 125				
Selenium	1.006	0.0500	1	0.00031	101	75 - 125				
Silver	0.9784	0.0500	1	0.00079	97.8	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 199901 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23090098-02SD** Units: **mg/L** Analysis Date: **06-Sep-2023 15:04**
Client ID: **SP-114** Run ID: **ICPMS06_445587** SeqNo: **7527819** PrepDate: **06-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00098	0	10	
Barium	0.8774	1.00					0.8844	0	10	J
Cadmium	U	0.250					0.00749	0	10	
Chromium	U	0.250					0.00811	0	10	
Lead	U	0.250					0.00192	0	10	
Selenium	U	0.250					0.00031	0	10	
Silver	U	0.250					0.00079	0	10	

The following samples were analyzed in this batch: HS23090098-02

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 200052 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-199952** Units: **mg/L** Analysis Date: **07-Sep-2023 13:09**
Client ID: Run ID: **HG04_445701** SeqNo: **7529605** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199819** Units: **mg/L** Analysis Date: **07-Sep-2023 13:12**
Client ID: Run ID: **HG04_445701** SeqNo: **7529607** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-200020** Units: **mg/L** Analysis Date: **07-Sep-2023 15:05**
Client ID: Run ID: **HG04_445701** SeqNo: **7530079** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT7-200022** Units: **mg/L** Analysis Date: **07-Sep-2023 15:06**
Client ID: Run ID: **HG04_445701** SeqNo: **7530080** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-199743** Units: **mg/L** Analysis Date: **07-Sep-2023 13:14**
Client ID: Run ID: **HG04_445701** SeqNo: **7529608** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-199870** Units: **mg/L** Analysis Date: **07-Sep-2023 13:10**
Client ID: Run ID: **HG04_445701** SeqNo: **7529606** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: 200052 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT1-199949** Units: **mg/L** Analysis Date: **07-Sep-2023 13:07**
Client ID: Run ID: **HG04_445701** SeqNo: **7529604** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-200052** Units: **mg/L** Analysis Date: **07-Sep-2023 12:58**
Client ID: Run ID: **HG04_445701** SeqNo: **7529629** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-200052** Units: **mg/L** Analysis Date: **07-Sep-2023 13:05**
Client ID: Run ID: **HG04_445701** SeqNo: **7529603** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00491	0.000200	0.005	0	98.2	80 - 120				

MS Sample ID: **HS23090081-01MS** Units: **mg/L** Analysis Date: **07-Sep-2023 13:35**
Client ID: Run ID: **HG04_445701** SeqNo: **7529618** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00657	0.000200	0.005	0.000448	122	75 - 125				

MSD Sample ID: **HS23090081-01MSD** Units: **mg/L** Analysis Date: **07-Sep-2023 13:37**
Client ID: Run ID: **HG04_445701** SeqNo: **7529619** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0064	0.000200	0.005	0.000448	119	75 - 125	0.00657	2.62	20	

The following samples were analyzed in this batch: HS23090098-02

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090098

QC BATCH REPORT

Batch ID: **R445511 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23090098-01DUP** Units: **wt%** Analysis Date: **05-Sep-2023 10:10**
Client ID: **CW001-02** Run ID: **Balance1_445511** SeqNo: **7525299** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	20.8	0.0100					21.7	4.24	20	

The following samples were analyzed in this batch: HS23090098-01

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23090098**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23090098 **Date/Time Received:** **02-Sep-2023 08:50**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	02-Sep-2023 09:36	**Reviewed by:**	/S/ Tyler Monroe	06-Sep-2023 11:44
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **W** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298722
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	

Temperature(s)/Thermometer(s):	1.0uc/0.9c	IR31
Cooler(s)/Kit(s):	50777	
Date/Time sample(s) sent to storage:	9/2/23	

Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑

pH adjusted by:

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 1

COC ID: 298722

HS23090098

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	Total As, Cd, Se, Sb, Pb (6020)
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax	william.wedge@wsp.com	I	
e-Mail Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW001-02	9/1/23	10:35	SS		1					✓						
2	SP-1W	"	11:20	SS		1	✓										
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Nithesan Kiatsuk Nkatsuk

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☑ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
Nkatsuk	1/9/23	11:00	
Relinquished by:	Date:	Time:	Received by (Laboratory):
			CA 9-2-23 0850
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
50777	1.0°
12911	

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Houston, Texas 77099
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50777

CUSTODY SEAL
Date: 9/1/23 Time: 11:50
Name: Niloofar Kabiri
Company: WSP

Seal Broken By: SM
Date: 09/02/23

50777 SEP 0 2 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

50777

CUSTODY SEAL
Date: 9/1/23 Time: 11:50
Name: Niloofar Kabiri
Company: WSP

Seal Broken B
SM
Date:
09/02/2

Part # 150469-434 MTW EXP 11/23

50777

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 16AUG23
ACTWGT: 1.00 LP
CAD: 0221247/
DIMS: 26x14

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656

FRISCO PRE EXAVATION=BO 94989-

FedEx Express

FedEx
TRK# 0221 6230 3004 2566

SATURDAY 12:00P
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

Part # 156297-435 RRDB2 EXP 02/24

Data Usability Summary

To:	Tim Jennings	Date:	October 2, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23090359.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected September 6, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. No data are qualified due to exceedances of QC criteria.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

Analytes detected in laboratory method blanks are listed in Table 2. Analytes detected in continuing calibration blanks are listed in Table 2.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. No project samples were analyzed as MS/MSD.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected September 6, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CW002-02	HS23090359-01	X	
CW003-02	HS23090359-02	X	
CW004-02	HS23090359-03	X	
CW005-02	HS23090359-04	X	

Table 2 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
MBLK-199875	Antimony	0.08033 mg/kg	0.161 mg/kg	No data are qualified
MBLK-199875	Cadmium	0.1012 mg/kg	0.200 mg/kg	No data are qualified
MBLK-199875	Lead	0.1109 mg/kg	0.221 mg/kg	No data are qualified
ICPMS07_445802 CCB 1	Antimony	1.099 µg/L	0.220 µg/L	No data are qualified
ICPMS07_445802 CCB 1	Arsenic	0.996 µg/L	0.199 µg/L	No data are qualified
ICPMS07_445802 CCB 1	Cadmium	1.281 µg/L	0.256 µg/L	No data are qualified
ICPMS07_445802 CCB 1	Lead	1.108 µg/L	0.222 µg/L	No data are qualified

mg/kg – Milligram per kilogram
µg/L – Microgram per liter

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 08, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23090359**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 4 sample(s) on Sep 07, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090359**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090359**	

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090359
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199875,R445811

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090359
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199875,R445811

#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 09/08/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090359
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 199875,R445811

ER#[5]	Description
1	Batch 199875, Metals Method SW6020, sample HS23090044-01, MS and MSD were performed on unrelated sample.
2	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359
Start Date: 08-Sep-2023 End Date: 08-Sep-2023

Run ID:ICPMS07_445802
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	08-Sep-2023 11:31	020_ICV.d	AS CD PB SB SE
LLICV2	1	08-Sep-2023 11:36	022LCV2.d	AS CD PB SB SE
LLICV5	1	08-Sep-2023 11:38	023LCV5.d	AS CD PB SB SE
ICB	1	08-Sep-2023 11:42	025_ICB.d	AS CD PB SB SE
ICSA	1	08-Sep-2023 11:44	026ICSA.d	AS CD PB SB SE
ICSAB	1	08-Sep-2023 11:46	027ICSB.d	AS CD PB SB SE
CCV 1	1	08-Sep-2023 11:56	031_CCV.d	AS CD PB SB SE
CCB 1	1	08-Sep-2023 11:59	032_CCB.d	AS CD PB SB SE
CW002-02	1	08-Sep-2023 12:10	037SMPL.d	AS CD PB SB SE
CW003-02	1	08-Sep-2023 12:13	038SMPL.d	AS CD PB SB SE
CW004-02	1	08-Sep-2023 12:15	039SMPL.d	AS CD PB SB SE
CW005-02	1	08-Sep-2023 12:17	040SMPL.d	AS CD PB SB SE
CCB 2	1	08-Sep-2023 12:29	045_CCB.d	AS CD PB SB SE
CCB 3	1	08-Sep-2023 12:31	046_CCB.d	AS CD PB SB SE
CCV 2	1	08-Sep-2023 12:33	047_CCV.d	AS CD PB SB SE
MBLK-199875	1	08-Sep-2023 12:35	048SMPL.d	AS CD PB SB SE
LCS-199875	1	08-Sep-2023 12:37	049SMPL.d	AS CD PB SB SE
ZZZZZZSD	5	08-Sep-2023 12:42	051SMPL.d	AS CD PB SB SE
ZZZZZZMS	1	08-Sep-2023 12:44	052SMPL.d	AS CD PB SB SE
ZZZZZZMSD	1	08-Sep-2023 12:46	053SMPL.d	AS CD PB SB SE
ZZZZZZPDS	1	08-Sep-2023 12:48	054SMPL.d	AS CD PB SB SE
CCV 3	1	08-Sep-2023 12:56	058_CCV.d	AS CD PB SB SE
CCB 4	1	08-Sep-2023 12:58	059_CCB.d	AS CD PB SB SE
CCB 5	1	08-Sep-2023 13:28	070_CCB.d	AS CD PB SB SE
CCV 4	1	08-Sep-2023 13:31	071_CCV.d	AS CD PB SB SE
CCV 5	1	08-Sep-2023 13:59	082_CCV.d	AS CD PB SB SE
CCB 6	1	08-Sep-2023 14:01	083_CCB.d	AS CD PB SB SE
CCB 7	1	08-Sep-2023 14:06	084_CCB.d	AS CD PB SB SE
CCB 8	1	08-Sep-2023 14:30	095_CCB.d	AS CD PB SB SE
CCV 6	1	08-Sep-2023 14:33	096_CCV.d	AS CD PB SB SE
CCB 9	1	08-Sep-2023 14:58	107_CCB.d	AS CD PB SB SE
CCV 7	1	08-Sep-2023 15:00	108_CCV.d	AS CD PB SB SE
CCB 10	1	08-Sep-2023 15:35	119_CCB.d	AS CD PB SB SE
CCV 8	1	08-Sep-2023 15:37	120_CCV.d	AS CD PB SB SE
CCB 11	1	08-Sep-2023 16:02	131_CCB.d	AS CD PB SB SE
CCV 9	1	08-Sep-2023 16:04	132_CCV.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

Run ID:ICPMS07_445802
Instrument:ICPMS07
Method:SW6020A

CCB 1	Date: 08-Sep-2023 11:59	Seq: 7531821	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.099	0.4	2	
Arsenic	0.996	0.4	2	
Cadmium	1.281	0.2	2	
Lead	1.108	0.6	2	

CCB 2	Date: 08-Sep-2023 12:29	Seq: 7531937	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	0.282	0.2	2	
Lead	0.887	0.6	2	

CCB 4	Date: 08-Sep-2023 12:58	Seq: 7532183	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.908	0.4	2	
Arsenic	0.819	0.4	2	
Cadmium	0.608	0.2	2	
Lead	0.775	0.6	2	

CCB 6	Date: 08-Sep-2023 14:01	Seq: 7532408	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	1.056	0.4	2	
Arsenic	1.156	0.4	2	
Cadmium	1.338	0.2	2	
Lead	1.26	0.6	2	
Selenium	2.348	1.1	2	

CCB 8	Date: 08-Sep-2023 14:30	Seq: 7532630	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.303	1.1	2	

CCB 9	Date: 08-Sep-2023 14:58	Seq: 7532826	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	1.17	1.1	2	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23090359

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23090359-01	CW002-02	Soil		06-Sep-2023 13:35	07-Sep-2023 10:00	☐
HS23090359-02	CW003-02	Soil		06-Sep-2023 13:40	07-Sep-2023 10:00	☐
HS23090359-03	CW004-02	Soil		06-Sep-2023 15:40	07-Sep-2023 10:00	☐
HS23090359-04	CW005-02	Soil		06-Sep-2023 15:45	07-Sep-2023 10:00	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW002-02
Collection Date: 06-Sep-2023 13:35

ANALYTICAL REPORT
WorkOrder:HS23090359
Lab ID:HS23090359-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 07-Sep-2023		Analyst: MSC
Antimony	**0.574**	J	**0.0846**	**0.651**	**mg/Kg-dry**	1	08-Sep-2023 12:10
Arsenic	**13.6**		**0.0911**	**0.651**	**mg/Kg-dry**	1	08-Sep-2023 12:10
Cadmium	**2.05**		**0.0352**	**0.651**	**mg/Kg-dry**	1	08-Sep-2023 12:10
Lead	**56.8**		**0.0169**	**0.651**	**mg/Kg-dry**	1	08-Sep-2023 12:10
Selenium	**1.51**		**0.118**	**0.651**	**mg/Kg-dry**	1	08-Sep-2023 12:10
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**29.4**		**0.0100**	**0.0100**	**wt%**	1	07-Sep-2023 12:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW003-02
Collection Date: 06-Sep-2023 13:40

ANALYTICAL REPORT
WorkOrder:HS23090359
Lab ID:HS23090359-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 07-Sep-2023		Analyst: MSC
Antimony	**0.591**		**0.0742**	**0.571**	**mg/Kg-dry**	1	08-Sep-2023 12:13
Arsenic	**12.3**		**0.0799**	**0.571**	**mg/Kg-dry**	1	08-Sep-2023 12:13
Cadmium	**3.25**		**0.0308**	**0.571**	**mg/Kg-dry**	1	08-Sep-2023 12:13
Lead	**88.9**		**0.0148**	**0.571**	**mg/Kg-dry**	1	08-Sep-2023 12:13
Selenium	**1.38**		**0.104**	**0.571**	**mg/Kg-dry**	1	08-Sep-2023 12:13
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.6**		**0.0100**	**0.0100**	**wt%**	1	07-Sep-2023 12:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW004-02
Collection Date: 06-Sep-2023 15:40

ANALYTICAL REPORT
WorkOrder:HS23090359
Lab ID:HS23090359-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 07-Sep-2023		Analyst: MSC
Antimony	**0.420**	J	**0.0658**	**0.506**	**mg/Kg-dry**	1	08-Sep-2023 12:15
Arsenic	**11.9**		**0.0709**	**0.506**	**mg/Kg-dry**	1	08-Sep-2023 12:15
Cadmium	**3.95**		**0.0273**	**0.506**	**mg/Kg-dry**	1	08-Sep-2023 12:15
Lead	**64.5**		**0.0132**	**0.506**	**mg/Kg-dry**	1	08-Sep-2023 12:15
Selenium	**1.34**		**0.0921**	**0.506**	**mg/Kg-dry**	1	08-Sep-2023 12:15
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**8.41**		**0.0100**	**0.0100**	**wt%**	1	07-Sep-2023 12:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW005-02
Collection Date: 06-Sep-2023 15:45

ANALYTICAL REPORT
WorkOrder:HS23090359
Lab ID:HS23090359-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 07-Sep-2023		Analyst: MSC
Antimony	**0.502**	J	**0.0741**	**0.570**	**mg/Kg-dry**	1	08-Sep-2023 12:17
Arsenic	**12.7**		**0.0798**	**0.570**	**mg/Kg-dry**	1	08-Sep-2023 12:17
Cadmium	**1.67**		**0.0308**	**0.570**	**mg/Kg-dry**	1	08-Sep-2023 12:17
Lead	**43.1**		**0.0148**	**0.570**	**mg/Kg-dry**	1	08-Sep-2023 12:17
Selenium	**1.46**		**0.104**	**0.570**	**mg/Kg-dry**	1	08-Sep-2023 12:17
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.7**		**0.0100**	**0.0100**	**wt%**	1	07-Sep-2023 12:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

Batch ID: 199875 **Start Date:** 07 Sep 2023 13:30 **End Date:** 07 Sep 2023 13:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090359-01		0.544 (g)	50 (mL)	91.91	4-oz glass, Neat
HS23090359-02		0.5189 (g)	50 (mL)	96.36	4-oz glass, Neat
HS23090359-03		0.5391 (g)	50 (mL)	92.75	4-oz glass, Neat
HS23090359-04		0.5201 (g)	50 (mL)	96.14	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 199875 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23090359-01	CW002-02	06 Sep 2023 13:35		07 Sep 2023 13:30	08 Sep 2023 12:10	1
HS23090359-02	CW003-02	06 Sep 2023 13:40		07 Sep 2023 13:30	08 Sep 2023 12:13	1
HS23090359-03	CW004-02	06 Sep 2023 15:40		07 Sep 2023 13:30	08 Sep 2023 12:15	1
HS23090359-04	CW005-02	06 Sep 2023 15:45		07 Sep 2023 13:30	08 Sep 2023 12:17	1
Batch ID: R445811 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23090359-01	CW002-02	06 Sep 2023 13:35			07 Sep 2023 12:47	1
HS23090359-02	CW003-02	06 Sep 2023 13:40			07 Sep 2023 12:47	1
HS23090359-03	CW004-02	06 Sep 2023 15:40			07 Sep 2023 12:47	1
HS23090359-04	CW005-02	06 Sep 2023 15:45			07 Sep 2023 12:47	1

WorkOrder: HS23090359
InstrumentID: ICPMS07
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.109	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.112	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.110	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	0.200	0.243	0.0910	0.500

WorkOrder: HS23090359
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

QC BATCH REPORT

Batch ID: 199875 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-199875** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:35**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532172** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	0.08033	0.498								J
Arsenic	U	0.498								
Cadmium	0.1012	0.498								J
Lead	0.1109	0.498								J
Selenium	U	0.498								

LCS Sample ID: **LCS-199875** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:37**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532173** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.954	0.497	9.942	0	100	80 - 120				
Arsenic	9.996	0.497	9.942	0	101	80 - 120				
Cadmium	9.96	0.497	9.942	0	100	80 - 120				
Lead	9.776	0.497	9.942	0	98.3	80 - 120				
Selenium	9.615	0.497	9.942	0	96.7	80 - 120				

MS Sample ID: **HS23090044-01MS** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:44**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532176** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.526	0.467	9.344	0.1723	25.2	75 - 125				S
Arsenic	12.11	0.467	9.344	4.135	85.3	75 - 125				
Cadmium	9.52	0.467	9.344	0.2199	99.5	75 - 125				
Lead	35.27	0.467	9.344	25.2	108	75 - 125				
Selenium	8.902	0.467	9.344	0.9097	85.5	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

QC BATCH REPORT

Batch ID: 199875 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23090044-01MSD** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:46**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532177** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.479	0.471	9.427	0.1723	24.5	75 - 125	2.526	1.89	20	S
Arsenic	12.19	0.471	9.427	4.135	85.4	75 - 125	12.11	0.654	20	
Cadmium	9.63	0.471	9.427	0.2199	99.8	75 - 125	9.52	1.14	20	
Lead	30.32	0.471	9.427	25.2	54.3	75 - 125	35.27	15.1	20	S
Selenium	8.95	0.471	9.427	0.9097	85.3	75 - 125	8.902	0.538	20	

PDS Sample ID: **HS23090044-01PDS** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:48**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532178** PrepDate: **07-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.517	0.487	9.745	0.1723	95.9	75 - 125				
Arsenic	13.61	0.487	9.745	4.135	97.2	75 - 125				
Cadmium	9.518	0.487	9.745	0.2199	95.4	75 - 125				
Lead	34.23	0.487	9.745	25.2	92.6	75 - 125				
Selenium	9.93	0.487	9.745	0.9097	92.6	75 - 125				

SD Sample ID: **HS23090044-01SD** Units: **mg/Kg** Analysis Date: **08-Sep-2023 12:42**
Client ID: Run ID: **ICPMS07_445802** SeqNo: **7532175** PrepDate: **07-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	U	2.44					0.1723	0	10	
Arsenic	4.471	2.44					4.135	8.12	10	
Cadmium	0.3425	2.44					0.2199	0	10	J
Lead	23.93	2.44					25.2	5.04	10	
Selenium	0.8409	2.44					0.9097	0	10	J

The following samples were analyzed in this batch: HS23090359-01 HS23090359-02 HS23090359-03 HS23090359-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090359

QC BATCH REPORT

Batch ID: R445811 (0) **Instrument: Balance1** **Method: MOISTURE - ASTM D2216**

DUP Sample ID: **HS23081683-15DUP** Units: **wt%** Analysis Date: **07-Sep-2023 12:47**
Client ID: Run ID: **Balance1_445811** SeqNo: **7532029** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	14.8	0.0100					16.2	9.03	20	

The following samples were analyzed in this batch: HS23090359-01 HS23090359-02 HS23090359-03 HS23090359-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23090359**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23090359 **Date/Time Received:** **07-Sep-2023 10:00**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	07-Sep-2023 12:49	**Reviewed by:**	/S/ Tyler Monroe	08-Sep-2023 13:55
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298723
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.7UC/1.6C	IR31	
Cooler(s)/Kit(s):	51499		
Date/Time sample(s) sent to storage:	9/7/23		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 298723

HS23090359 , WV

WSP Golder
Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	As, Cd, Pb, Se, Sb 6020
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW002-02	9.6.23	1335	Soil	8	1			X		X						
2	CW003-02	↓	1340	↓	↓	↓			↓		↓						
3	CW004-02		1540														
4	CW005-02		1545														
5																	
6																	
7																	
8																	
9																	
10																	

Sample(s) Please Print & Sign: William Wedge

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other ☐ STD 10 Wk Days ☒ ~~5 Wk Days~~ ☒ 2 Wk Days ☐ 24 Hour

Results Due Date: 9-8-23

Relinquished by:	Date:	Time:	Received by:
William Wedge	9-6-23	1730	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 9-7-23 1041
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
51491	1.5°C
10231	

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

CF-3-1

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
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Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51499

CUSTODY SEAL

Date: 9.6.23 Time: 1730
Name: William Wise
Company: WSP

Seal Broken By: SW
Date: 09107123

51499 SEP 0 7 2023

ALS
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Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51499

CUSTODY SEAL

Date: 9.6.23 Time: 1730
Name: William Wise
Company: WSP

Seal Broken By: SW
Date: 09107123

51499

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 16AUG23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: FRISCO PRE EXAVATION = BO 94989 - TM

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3004 2544

THU - 07 SEP 10:30
PRIORITY OVERNIGHT

77099
TX-US IAH

43 SGRA

Data Usability Summary

To:	Tim Jennings	Date:	October 2, 2023
From:	Madeline Mertes	File:	Frisco CDC Soil DUS HS23090441.docx
RE:	Review of Frisco Soil Data	CC:	

WSP USA Inc (WSP) reviewed one laboratory report from ALS Environmental (Houston, Texas) providing the analytical results for soil samples collected September 7, 2023 from the Frisco CDC Site in Frisco, Texas. Quality control (QC) data were reviewed as described in RG-366/TRRP-13 (Review and Reporting of COC Concentration Data under TRRP, May 2010). The results of the review are discussed in this memorandum. Data were collected to evaluate the extent of impacted soils for a response action.

Samples were analyzed for chemicals of concern (COCs) using the analytical methods listed below.

- SW-846 6020A – Inductively Coupled Plasma – Mass Spectrometry

ALS Houston is accredited through the National Environmental Laboratory Accreditation Program (NELAP) (T104704231) for the matrices, methods, and analytes provided in the laboratory reports.

Table 1 lists the sample identifications cross-referenced to laboratory identifications and the analyses performed for each sample. Data qualified due to exceedances of QC criteria are listed in Table 2.

QUALITY CONTROL RESULTS

Blank concentrations and laboratory control sample (LCS), matrix spike/matrix spike duplicate (MS/MSD) precision and accuracy results were evaluated from data presented in the QC section of the laboratory report. Calibration and internal standard area data were evaluated from statements made in the exception report (ER) and the laboratory review checklist (LRC).

PRESERVATION AND HOLDING TIMES

Samples were received at the laboratory at temperatures below 6°C. Sample preparation and analyses were performed within method holding times.

CALIBRATIONS

The laboratory stated on the LRCs stated that calibrations were within the method-required QC limits.

INTERNAL STANDARDS

The laboratory stated on the LRC/ER internal standard areas were within the method-required QC limits.

BLANKS

Analytes detected in laboratory method blanks are listed in Table 3.

LABORATORY CONTROL SAMPLES

Laboratory control samples (LCS) and laboratory control sample duplicate (LCSD) (if analyzed) recoveries were within the acceptance criteria of 70 to 130 percent recovery (%R) for metals. LCS/LCSD precision (as relative percent difference [RPD]) was less than 30 RPD criteria.

MATRIX SPIKE/MATRIX SPIKE DUPLICATE

Batch (non-project) data are not evaluated. MS/MSD recoveries outside the acceptance criteria of 70 to 130 %R for metals are listed in Table 4. MS/MSD precision, as RPD, was within 30 RPD. Data are qualified as shown in Tables 2 and 4. POST-DIGESTATE SPIKE (PDS) AND SERIAL DILUTION

Batch (non-project) data are not evaluated. PDS recoveries were within the acceptance criteria of 70 to 130 %R. Serial dilution precision was within 20 percent difference (%D) for samples with results greater than 50 times the sample detection limit.

FIELD PRECISION

Field duplicate precision for soil is evaluated using criteria of 50 RPD or a difference of ± three times the method quantitation limit (MQL). If the RPD is greater than 50 RPD or the difference is greater than three times the MQL. Field duplicate samples were not collected.

SUMMARY

Sample data are usable for determining concentrations in soil samples collected collected September 7, 2023 from the Frisco CDC Site in Frisco, Texas.

Table 1 Cross-Reference Field Sample Identifications and Laboratory Identifications

Field Identification	Laboratory Identification	Metals	Comment
CW007-02	HS23090441-01	X	MS/MSD
CW008-02	HS23090441-02	X	
CW009-02	HS23090441-03	X	
SDAW001-02	HS23090441-04	X	

MS/MSD – Matrix spike/matrix spike duplicate

Table 2 Qualified Data

Field Identification	Analyte	Qualifier	Reason for Qualification
CW007-02	Antimony	JL	MS/MSD recovery below acceptance criteria
CW007-02	Cadmium	JL	MS/MSD recovery below acceptance criteria
CW007-02	Lead	JH	MS/MSD recovery exceeds acceptance criteria

Table 3 Blank Data

Blank Identification	Analyte	Blank Result	Qualified Result (mg/kg)	Comment
ICPMS07_445931 CCB 3	Selenium	-1.147 µg/L	0.229	No data are qualified

µg/L – Microgram per liter

Table 4 Recovery and Precision Exceedances

Sample	Analyte	Spike Recovery (%)	Spike Duplicate Recovery (%)	RPD (%)	Qualification
CW007-02	Antimony	18.7	17.5	7.27	JL
CW007-02	Arsenic	86.8	142	26.2	None; average less than 130%R
CW007-02	Cadmium	41.5	69.6	21.8	JL
CW007-02	Lead	156	126	7.75	JH

%R – Percent recovery
S – Spike recovery outside laboratory control limits
RPD – Relative percent difference

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 12, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23090441**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 4 sample(s) on Sep 08, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090441**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090441**	

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/12/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090441
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200146,R445964

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/12/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090441
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200146,R445964

#[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)**					
		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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 09/12/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090441
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200146,R445964

ER#[5]	Description
1	Batch 200146, Metals Method SW6020, sample CW007-02, MS and or MSD recovered outside the control limit for Antimony, Cadmium, Arsenic and Lead due to suspect matrix effect
2	Batch 200146, Metals Method SW6020, sample CW007-02, MS/MSD RPD recovered above the RPD limit for Arsenic and Cadmium.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441
Start Date: 11-Sep-2023 End Date: 12-Sep-2023

Run ID:ICPMS07_445931
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	11-Sep-2023 11:18	020_ICV.d	AS CD PB SB SE
LLICV2	1	11-Sep-2023 11:22	022LCV2.d	AS CD PB SB SE
LLICV5	1	11-Sep-2023 11:25	023LCV5.d	AS CD PB SB SE
ICB	1	11-Sep-2023 11:29	025_ICB.d	AS CD PB SB SE
ICSA	1	11-Sep-2023 11:32	026ICSA.d	AS CD PB SB SE
ICSAB	1	11-Sep-2023 11:34	027ICSB.d	AS CD PB SB SE
CCV 1	1	11-Sep-2023 11:42	030_CCV.d	AS CD PB SB SE
CCB 1	1	11-Sep-2023 11:45	031_CCB.d	AS CD PB SB SE
MBLK-200146	1	11-Sep-2023 11:47	032SMPL.d	AS CD PB SB SE
LCS-200146	1	11-Sep-2023 11:49	033SMPL.d	AS CD PB SB SE
CW007-02	1	11-Sep-2023 11:52	034SMPL.d	AS CD PB SB SE
CW007-02SD	5	11-Sep-2023 11:54	035SMPL.d	AS CD PB SB SE
CW007-02MS	1	11-Sep-2023 11:56	036SMPL.d	AS CD PB SB SE
CW007-02MSD	1	11-Sep-2023 11:59	037SMPL.d	AS CD PB SB SE
CW007-02PDS	1	11-Sep-2023 12:01	038SMPL.d	AS CD SB SE
CCV 2	1	11-Sep-2023 12:10	042_CCV.d	AS CD PB SB SE
CCB 2	1	11-Sep-2023 12:13	043_CCB.d	AS CD PB SB SE
CW008-02	1	11-Sep-2023 12:17	045SMPL.d	AS CD PB SB SE
CW009-02	1	11-Sep-2023 12:20	046SMPL.d	AS CD PB SB SE
SDAW001-02	1	11-Sep-2023 12:22	047SMPL.d	AS CD PB SB SE
CW007-02PDS	1	11-Sep-2023 12:27	049SMPL.d	PB
CCV 3	1	11-Sep-2023 12:39	054_CCV.d	AS CD PB SB SE
CCB 3	1	11-Sep-2023 12:41	055_CCB.d	AS CD PB SB SE
CCB 4	1	11-Sep-2023 13:11	068_CCB.d	AS CD PB SB SE
CCV 4	1	11-Sep-2023 13:14	069_CCV.d	AS CD PB SB SE
CCV 5	1	11-Sep-2023 13:40	080_CCV.d	AS CD PB SB SE
CCB 5	1	11-Sep-2023 13:42	081_CCB.d	AS CD PB SB SE
CCV 6	1	11-Sep-2023 14:08	092_CCV.d	AS CD PB SB SE
CCB 6	1	11-Sep-2023 14:10	093_CCB.d	AS CD PB SB SE
CCV 7	1	11-Sep-2023 14:36	104_CCV.d	AS CD PB SB SE
CCB 7	1	11-Sep-2023 14:39	105_CCB.d	AS CD PB SB SE
CCV 8	1	11-Sep-2023 15:04	116_CCV.d	AS CD PB SB SE
CCB 8	1	11-Sep-2023 15:07	117_CCB.d	AS CD PB SB SE
CCV 9	1	11-Sep-2023 15:37	128_CCV.d	AS CD PB SB SE
CCB 9	1	11-Sep-2023 15:40	129_CCB.d	AS CD PB SB SE
CCV 10	1	11-Sep-2023 16:05	140_CCV.d	AS CD PB SB SE
CCB 10	1	11-Sep-2023 16:08	141_CCB.d	AS CD PB SB SE
CCV 11	1	11-Sep-2023 16:37	152_CCV.d	AS CD PB SB SE
CCB 11	1	11-Sep-2023 16:40	153_CCB.d	AS CD PB SB SE
CCB 12	1	11-Sep-2023 17:11	166_CCB.d	AS CD PB SB SE
CCV 12	1	11-Sep-2023 17:14	167_CCV.d	AS CD PB SB SE
CCV 13	1	11-Sep-2023 17:39	178_CCV.d	AS CD PB SB SE
CCB 13	1	11-Sep-2023 17:42	179_CCB.d	AS CD PB SB SE
CCV 14	1	11-Sep-2023 18:07	190_CCV.d	AS CD PB SB SE
CCV 15	1	11-Sep-2023 18:07	190_CCV.d	AS CD PB SB SE
CCB 14	1	11-Sep-2023 18:10	191_CCB.d	AS CD PB SB SE
CCB 15	1	11-Sep-2023 18:10	191_CCB.d	AS CD PB SB SE
CCV 16	1	11-Sep-2023 18:35	202_CCV.d	AS CD PB SB SE
CCB 16	1	11-Sep-2023 18:37	203_CCB.d	AS CD PB SB SE
CCV 17	1	11-Sep-2023 19:03	214_CCV.d	AS CD PB SB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441
Start Date: 11-Sep-2023 End Date: 12-Sep-2023

Run ID:ICPMS07_445931
Instrument:ICPMS07
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCB 17	1	11-Sep-2023 19:05	215_CCB.d	AS CD PB SB SE
CCV 18	1	11-Sep-2023 19:30	226_CCV.d	AS CD PB SB SE
CCB 18	1	11-Sep-2023 19:33	227_CCB.d	AS CD PB SB SE
CCV 19	1	11-Sep-2023 19:51	235_CCV.d	AS CD PB SB SE
CCB 19	1	11-Sep-2023 19:53	236_CCB.d	AS CD PB SB SE
ICCV 20	1	11-Sep-2023 21:55	271_ICV.d	AS CD PB SB SE
LLCCV5	1	11-Sep-2023 21:57	272LCV5.d	AS CD PB SB SE
LLCCV2	1	11-Sep-2023 21:59	273LCV2.d	AS CD PB SB SE
ICCB 20	1	11-Sep-2023 22:02	274_ICB.d	AS CD PB SB SE
CCV 21	1	11-Sep-2023 22:06	276_CCV.d	AS CD PB SB SE
CCB 21	1	11-Sep-2023 22:09	277_CCB.d	AS CD PB SB SE
CCV 22	1	11-Sep-2023 22:27	285_CCV.d	AS CD PB SB SE
CCB 22	1	11-Sep-2023 22:30	286_CCB.d	AS CD PB SB SE
CCV 23	1	11-Sep-2023 22:51	294_CCV.d	AS CD PB SB SE
CCB 23	1	11-Sep-2023 22:53	295_CCB.d	AS CD PB SB SE
CCV 24	1	11-Sep-2023 23:19	304_CCV.d	AS CD PB SB SE
CCB 24	1	11-Sep-2023 23:22	305_CCB.d	AS CD PB SB SE
CCV 25	1	11-Sep-2023 23:40	313_CCV.d	AS CD PB SB SE
CCB 25	1	11-Sep-2023 23:42	314_CCB.d	AS CD PB SB SE
CCV 26	1	12-Sep-2023 00:01	322_CCV.d	AS CD PB SB SE
CCB 26	1	12-Sep-2023 00:03	323_CCB.d	AS CD PB SB SE
ICSA	1	12-Sep-2023 00:09	325ICSA.d	AS CD PB SB SE
ICSAB	1	12-Sep-2023 00:11	326ICSB.d	AS CD PB SB SE
CCV 27	1	12-Sep-2023 00:27	333_CCV.d	AS CD PB SB SE
CCB 27	1	12-Sep-2023 00:29	334_CCB.d	AS CD PB SB SE
CCV 28	1	12-Sep-2023 00:50	343_CCV.d	AS CD PB SB SE
CCB 28	1	12-Sep-2023 00:52	344_CCB.d	AS CD PB SB SE
CCV 29	1	12-Sep-2023 01:18	355_CCV.d	AS CD PB SB SE
CCB 29	1	12-Sep-2023 01:20	356_CCB.d	AS CD PB SB SE
CCV 30	1	12-Sep-2023 01:22	357_CCV.d	AS CD PB SB SE
CCB 30	1	12-Sep-2023 01:25	358_CCB.d	AS CD PB SB SE
LLCCV2	1	12-Sep-2023 01:27	359LCV2.d	AS CD PB SB SE
LLCCV5	1	12-Sep-2023 01:29	360LCV5.d	AS CD PB SB SE
ICSA	1	12-Sep-2023 01:31	361ICSA.d	AS CD PB SB SE
ICSAB	1	12-Sep-2023 01:34	362ICSB.d	AS CD PB SB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

Run ID:ICPMS07_445931
Instrument:ICPMS07
Method:SW6020A

CCB 3	Date: 11-Sep-2023 12:41	Seq: 7535205	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Selenium	-1.147	1.1	2	

CCB 5	Date: 11-Sep-2023 13:42	Seq: 7535382	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Cadmium	0.296	0.2	2	

CCB 6	Date: 11-Sep-2023 14:10	Seq: 7535458	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.664	0.4	2	
Cadmium	0.317	0.2	2	
Lead	1.063	0.6	2	

CCB 7	Date: 11-Sep-2023 14:39	Seq: 7535499	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.428	0.4	2	
Cadmium	0.239	0.2	2	

CCB 8	Date: 11-Sep-2023 15:07	Seq: 7535550	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.444	0.4	2	
Cadmium	0.237	0.2	2	

CCB 9	Date: 11-Sep-2023 15:40	Seq: 7535710	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.594	0.4	2	
Cadmium	0.297	0.2	2	
Lead	0.641	0.6	2	

CCB 10	Date: 11-Sep-2023 16:08	Seq: 7536032	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.432	0.4	2	
Cadmium	0.374	0.2	2	
Lead	1.026	0.6	2	

CCB 11	Date: 11-Sep-2023 16:40	Seq: 7536116	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.478	0.4	2	
Arsenic	0.456	0.4	2	
Cadmium	0.481	0.2	2	

CCB 12	Date: 11-Sep-2023 17:11	Seq: 7536194	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Lead	0.782	0.6	2	

CCB 16	Date: 11-Sep-2023 18:37	Seq: 7536578	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Antimony	0.721	0.4	2	
Lead	1.971	0.6	2	

CCB 17	Date: 11-Sep-2023 19:05	Seq: 7536590	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

Run ID:ICPMS07_445931
Instrument:ICPMS07
Method:SW6020A

	Antimony	0.44	0.4	2	

CCB 18	Date: 11-Sep-2023 19:33	Seq: 7536602	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Antimony	0.515	0.4	2
	Lead	1.417	0.6	2

CCB 22	Date: 11-Sep-2023 22:30	Seq: 7536656	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Antimony	0.421	0.4	2
	Cadmium	0.3	0.2	2

CCB 26	Date: 12-Sep-2023 00:03	Seq: 7536809	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Arsenic	0.431	0.4	2

CCB 30	Date: 12-Sep-2023 01:25	Seq: 7536877	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Antimony	0.424	0.4	2
	Cadmium	0.325	0.2	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23090441

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23090441-01	CW007-02	Soil		07-Sep-2023 09:50	08-Sep-2023 09:45	☐
HS23090441-02	CW008-02	Soil		07-Sep-2023 12:08	08-Sep-2023 09:45	☐
HS23090441-03	CW009-02	Soil		07-Sep-2023 12:10	08-Sep-2023 09:45	☐
HS23090441-04	SDAW001-02	Soil		07-Sep-2023 14:42	08-Sep-2023 09:45	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW007-02
Collection Date: 07-Sep-2023 09:50

ANALYTICAL REPORT
WorkOrder:HS23090441
Lab ID:HS23090441-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 08-Sep-2023		Analyst: MSC
Antimony	**0.340**	J	**0.0704**	**0.542**	**mg/Kg-dry**	1	11-Sep-2023 11:52
Arsenic	**9.91**		**0.0759**	**0.542**	**mg/Kg-dry**	1	11-Sep-2023 11:52
Cadmium	**7.76**		**0.0293**	**0.542**	**mg/Kg-dry**	1	11-Sep-2023 11:52
Lead	**32.7**		**0.0141**	**0.542**	**mg/Kg-dry**	1	11-Sep-2023 11:52
Selenium	**1.48**		**0.0986**	**0.542**	**mg/Kg-dry**	1	11-Sep-2023 11:52
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**15.3**		**0.0100**	**0.0100**	**wt%**	1	11-Sep-2023 10:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW008-02
Collection Date: 07-Sep-2023 12:08

ANALYTICAL REPORT
WorkOrder:HS23090441
Lab ID:HS23090441-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 08-Sep-2023		Analyst: MSC
Antimony	**0.265**	J	**0.0933**	**0.717**	**mg/Kg-dry**	1	11-Sep-2023 12:17
Arsenic	**8.81**		**0.100**	**0.717**	**mg/Kg-dry**	1	11-Sep-2023 12:17
Cadmium	**0.618**	J	**0.0387**	**0.717**	**mg/Kg-dry**	1	11-Sep-2023 12:17
Lead	**25.9**		**0.0187**	**0.717**	**mg/Kg-dry**	1	11-Sep-2023 12:17
Selenium	**1.26**		**0.131**	**0.717**	**mg/Kg-dry**	1	11-Sep-2023 12:17
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**34.7**		**0.0100**	**0.0100**	**wt%**	1	11-Sep-2023 10:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: CW009-02
Collection Date: 07-Sep-2023 12:10

ANALYTICAL REPORT
WorkOrder:HS23090441
Lab ID:HS23090441-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 08-Sep-2023		Analyst: MSC
Antimony	**0.313**	J	**0.0731**	**0.562**	**mg/Kg-dry**	1	11-Sep-2023 12:20
Arsenic	**10.5**		**0.0787**	**0.562**	**mg/Kg-dry**	1	11-Sep-2023 12:20
Cadmium	**0.677**		**0.0303**	**0.562**	**mg/Kg-dry**	1	11-Sep-2023 12:20
Lead	**92.1**		**0.0146**	**0.562**	**mg/Kg-dry**	1	11-Sep-2023 12:20
Selenium	**1.28**		**0.102**	**0.562**	**mg/Kg-dry**	1	11-Sep-2023 12:20
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**16.0**		**0.0100**	**0.0100**	**wt%**	1	11-Sep-2023 10:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SDAW001-02
Collection Date: 07-Sep-2023 14:42

ANALYTICAL REPORT
WorkOrder:HS23090441
Lab ID:HS23090441-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
METALS BY SW6020A	**Method:SW6020A**				Prep:SW3050B / 08-Sep-2023		Analyst: MSC
Antimony	**0.403**	J	**0.0750**	**0.577**	**mg/Kg-dry**	1	11-Sep-2023 12:22
Arsenic	**8.74**		**0.0807**	**0.577**	**mg/Kg-dry**	1	11-Sep-2023 12:22
Cadmium	**0.308**	J	**0.0311**	**0.577**	**mg/Kg-dry**	1	11-Sep-2023 12:22
Lead	**161**		**0.0150**	**0.577**	**mg/Kg-dry**	1	11-Sep-2023 12:22
Selenium	**0.683**		**0.105**	**0.577**	**mg/Kg-dry**	1	11-Sep-2023 12:22
MOISTURE - ASTM D2216	**Method:ASTM D2216**						Analyst: MR
Percent Moisture	**17.6**		**0.0100**	**0.0100**	**wt%**	1	11-Sep-2023 10:11

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

Batch ID: 200146 **Start Date:** 08 Sep 2023 14:30 **End Date:** 08 Sep 2023 14:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090441-01		0.5447 (g)	50 (mL)	91.79	4-oz glass, Neat
HS23090441-02		0.5337 (g)	50 (mL)	93.69	4-oz glass, Neat
HS23090441-03		0.5296 (g)	50 (mL)	94.41	4-oz glass, Neat
HS23090441-04		0.5262 (g)	50 (mL)	95.02	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 200146 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23090441-01	CW007-02	07 Sep 2023 09:50		08 Sep 2023 14:30	11 Sep 2023 11:52	1
HS23090441-02	CW008-02	07 Sep 2023 12:08		08 Sep 2023 14:30	11 Sep 2023 12:17	1
HS23090441-03	CW009-02	07 Sep 2023 12:10		08 Sep 2023 14:30	11 Sep 2023 12:20	1
HS23090441-04	SDAW001-02	07 Sep 2023 14:42		08 Sep 2023 14:30	11 Sep 2023 12:22	1
Batch ID: R445964 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23090441-01	CW007-02	07 Sep 2023 09:50			11 Sep 2023 10:11	1
HS23090441-02	CW008-02	07 Sep 2023 12:08			11 Sep 2023 10:11	1
HS23090441-03	CW009-02	07 Sep 2023 12:10			11 Sep 2023 10:11	1
HS23090441-04	SDAW001-02	07 Sep 2023 14:42			11 Sep 2023 10:11	1

WorkOrder: HS23090441
InstrumentID: ICPMS07
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Antimony	7440-36-0	0.100	0.109	0.0650	0.500
A	Arsenic	7440-38-2	0.100	0.112	0.0700	0.500
A	Cadmium	7440-43-9	0.100	0.110	0.0270	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	0.200	0.243	0.0910	0.500

WorkOrder: HS23090441
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

QC BATCH REPORT

Batch ID: 200146 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-200146** Units: **mg/Kg** Analysis Date: **11-Sep-2023 11:47**
Client ID: Run ID: **ICPMS07_445931** SeqNo: **7535000** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	U	0.498								
Arsenic	U	0.498								
Cadmium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								

LCS Sample ID: **LCS-200146** Units: **mg/Kg** Analysis Date: **11-Sep-2023 11:49**
Client ID: Run ID: **ICPMS07_445931** SeqNo: **7535001** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	9.763	0.497	9.942	0	98.2	80 - 120				
Arsenic	9.726	0.497	9.942	0	97.8	80 - 120				
Cadmium	9.335	0.497	9.942	0	93.9	80 - 120				
Lead	9.438	0.497	9.942	0	94.9	80 - 120				
Selenium	9.578	0.497	9.942	0	96.3	80 - 120				

MS Sample ID: **HS23090441-01MS** Units: **mg/Kg** Analysis Date: **11-Sep-2023 11:56**
Client ID: **CW007-02** Run ID: **ICPMS07_445931** SeqNo: **7535004** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	2.115	0.489	9.787	0.2881	18.7	75 - 125				S
Arsenic	16.89	0.489	9.787	8.392	86.8	75 - 125				
Cadmium	10.64	0.489	9.787	6.57	41.5	75 - 125				S
Lead	43.01	0.489	9.787	27.72	156	75 - 125				S
Selenium	9.552	0.489	9.787	1.25	84.8	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

QC BATCH REPORT

Batch ID: 200146 (0) **Instrument: ICPMS07** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23090441-01MSD** Units: **mg/Kg** Analysis Date: **11-Sep-2023 11:59**
Client ID: **CW007-02** Run ID: **ICPMS07_445931** SeqNo: **7535005** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	1.967	0.479	9.582	0.2881	17.5	75 - 125	2.115	7.27	20	S
Arsenic	21.97	0.479	9.582	8.392	142	75 - 125	16.89	26.2	20	SR
Cadmium	13.24	0.479	9.582	6.57	69.6	75 - 125	10.64	21.8	20	SR
Lead	39.8	0.479	9.582	27.72	126	75 - 125	43.01	7.75	20	S
Selenium	9.813	0.479	9.582	1.25	89.4	75 - 125	9.552	2.69	20	

PDS Sample ID: **HS23090441-01PDS** Units: **mg/Kg** Analysis Date: **11-Sep-2023 12:01**
Client ID: **CW007-02** Run ID: **ICPMS07_445931** SeqNo: **7535006** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Antimony	8.306	0.459	9.179	0.2881	87.3	75 - 125				
Arsenic	15.76	0.459	9.179	8.392	80.3	75 - 125				
Cadmium	13.74	0.459	9.179	6.57	78.1	75 - 125				
Selenium	8.871	0.459	9.179	1.25	83.0	75 - 125				

PDS Sample ID: **HS23090441-01PDS** Units: **mg/Kg** Analysis Date: **11-Sep-2023 12:27**
Client ID: **CW007-02** Run ID: **ICPMS07_445931** SeqNo: **7535090** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	36.4	0.459	9.179	27.72	94.5	75 - 125				

SD Sample ID: **HS23090441-01SD** Units: **mg/Kg** Analysis Date: **11-Sep-2023 11:54**
Client ID: **CW007-02** Run ID: **ICPMS07_445931** SeqNo: **7535003** PrepDate: **08-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Antimony	0.3222	2.29					0.2881	0	10	J
Arsenic	8.892	2.29					8.392	5.96	10	
Cadmium	7.127	2.29					6.57	8.48	10	
Lead	25.13	2.29					27.72	9.37	10	
Selenium	U	2.29					1.25	0	10	

The following samples were analyzed in this batch: HS23090441-01 HS23090441-02 HS23090441-03 HS23090441-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090441

QC BATCH REPORT

Batch ID: **R445964 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23090454-09DUP** Units: **wt%** Analysis Date: **11-Sep-2023 10:11**
Client ID: Run ID: **Balance1_445964** SeqNo: **7535612** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	10.5	0.0100					10.5	0	20	

The following samples were analyzed in this batch: HS23090441-01 HS23090441-02 HS23090441-03 HS23090441-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23090441**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23090441 **Date/Time Received:** **08-Sep-2023 09:45**

Client Name: Golder St Louis **Received by:** **Malcolm Burleson**

Completed By:	/S/ Malcolm Burleson	08-Sep-2023 13:39	**Reviewed by:**	/S/ Tyler Monroe	11-Sep-2023 08:34
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **Solid** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298714
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.9uc 3.8c	ir31	
Cooler(s)/Kit(s):	51492		
Date/Time sample(s) sent to storage:	09082023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page ____ of ____

COC ID: 298714

HS23090441

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	As, Cd, Pb, Se, Sb 6020
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	CW007-02	9-7-23	0955	Soil	8	1			X		X						
2	CW008-02	↓	1208	↓	↓	↓			↓		↓						
3	CW009-02		1210														
4	SDAW001-02		1442														
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: Dillon Gerdes Wh Wh

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☒ 2 Wk Days ☐ 24 Hour ☐ Other ____

Results Due Date: 9-10-23

Relinquished by: Wh Wh	Date: 9-7-23	Time: 1657	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): 09082023 0945	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	S1499	1.8 3.9 +0.1 C

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ____ ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51492

CUSTODY SEAL

Date: 9.7.23 Time: 1525
Name: William Ward
Company: ALS

Seal Broken By: SM
Date: 09108123

51492 SEP 0 8 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51492

CUSTODY SEAL

Date: 9.7.23 Time: 1525
Name: William Ward
Company: ALS

Seal Broken By: SM
Date: 09108123

SHORT HOLDING TIME

EXP 11/22

51492

ORIGIN ID:SGRA (817) 759-9914
GERARDO RUIZ
GOLDER
14114 N DALLAS PKWY, SUITE 315

DALLAS, TX 75254
UNITED STATES US

SHIP DATE: 24MAR22
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3512
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: BOEING SAN ANTONIA-BO 84207-DW

RMA:

FedEx Express

FedEx
TRK# 0221 5300 5229 5341

FRI - 08 SEP 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

#4072153 09/07 583J3/CEED/9AE3

Part # 156927-435 RRDB2 EXP 12/23

Stockpile Analytical Reports

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 16, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23080642**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 13 sample(s) on Aug 10, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23080642**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23080642**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 08/16/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080642
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198922,198996,199017

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 08/16/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080642
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198922,198996,199017

#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/16/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23080642
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198922,198996,199017

ER#[5]	Description
1	Batch 198922, TCLP Metals Method SW6020, sample SP-26, MS and or MSD recovered outside the control limit for Lead, however, the result in the parent sample is 4x greater than the spike amount.
2	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642
Start Date: 14-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS06_443885
Instrument:ICPMS06
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	14-Aug-2023 11:23	021_ICV.d	AG AS BA CD CR PB SE
LLICV2	1	14-Aug-2023 11:27	023LCV2.d	AG AS BA CD CR PB SE
ICB	1	14-Aug-2023 11:31	025_ICB.d	AG AS BA CD CR PB SE
LLICV5	1	14-Aug-2023 11:42	028LCV5.d	AG AS BA CD CR PB SE
ICSA	1	14-Aug-2023 11:46	030ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	14-Aug-2023 11:48	031ICSB.d	AG AS BA CD CR PB SE
CCV 1	1	14-Aug-2023 11:57	034_CCV.d	AG AS BA CD CR PB SE
CCB 1	1	14-Aug-2023 11:59	035_CCB.d	AG AS BA CD CR PB SE
CCV 2	1	14-Aug-2023 12:26	046_CCV.d	AG AS BA CD CR PB SE
CCB 2	1	14-Aug-2023 12:27	047_CCB.d	AG AS BA CD CR PB SE
CCV 3	1	14-Aug-2023 12:47	057_CCV.d	AG AS BA CD CR PB SE
CCB 3	1	14-Aug-2023 12:49	058_CCB.d	AG AS BA CD CR PB SE
CCV 4	1	14-Aug-2023 13:03	065_CCV.d	AG AS BA CD CR PB SE
CCB 4	1	14-Aug-2023 13:04	066_CCB.d	AG AS BA CD CR PB SE
CCV 5	1	14-Aug-2023 13:46	074_CCV.d	AG AS BA CD CR PB SE
CCB 5	1	14-Aug-2023 13:48	075_CCB.d	AG AS BA CD CR PB SE
CCB 6	1	14-Aug-2023 14:21	087_CCB.d	AG AS BA CD CR PB SE
CCV 6	1	14-Aug-2023 14:23	088_CCV.d	AG AS BA CD CR PB SE
CCV 7	1	14-Aug-2023 14:57	098_CCV.d	AG AS BA CD CR PB SE
CCB 7	1	14-Aug-2023 14:59	099_CCB.d	AG AS BA CD CR PB SE
CCV 8	1	14-Aug-2023 15:32	109_CCV.d	AG AS BA CD CR PB SE
CCB 8	1	14-Aug-2023 15:34	110_CCB.d	AG AS BA CD CR PB SE
CCV 9	1	14-Aug-2023 15:46	116_CCV.d	AG AS BA CD CR PB SE
CCB 9	1	14-Aug-2023 15:48	117_CCB.d	AG AS BA CD CR PB SE
CCV 10	1	14-Aug-2023 16:46	128_CCV.d	AG AS BA CD CR PB SE
CCB 10	1	14-Aug-2023 16:47	129_CCB.d	AG AS BA CD CR PB SE
CCV 11	1	14-Aug-2023 17:09	140_CCV.d	AG AS BA CD CR PB SE
CCB 11	1	14-Aug-2023 17:11	141_CCB.d	AG AS BA CD CR PB SE
CCV 12	1	14-Aug-2023 17:31	151_CCV.d	AG AS BA CD CR PB SE
CCB 12	1	14-Aug-2023 17:32	152_CCB.d	AG AS BA CD CR PB SE
CCV 13	1	14-Aug-2023 19:21	158_CCV.d	AG AS BA CD CR PB SE
CCB 13	1	14-Aug-2023 19:23	159_CCB.d	AG AS BA CD CR PB SE
CCV 14	1	14-Aug-2023 19:42	169_CCV.d	AG AS BA CD CR PB SE
CCB 14	1	14-Aug-2023 19:44	170_CCB.d	AG AS BA CD CR PB SE
CCV 15	1	14-Aug-2023 20:04	180_CCV.d	AG AS BA CD CR PB SE
CCB 15	1	14-Aug-2023 20:06	181_CCB.d	AG AS BA CD CR PB SE
ICCV 16	1	14-Aug-2023 20:42	193_ICV.d	AG AS BA CD CR PB SE
LLCCV5	1	14-Aug-2023 20:44	194LCV5.d	AG AS BA CD CR PB SE
LLCCV2	1	14-Aug-2023 20:46	195LCV2.d	AG AS BA CD CR PB SE
ICCB 16	1	14-Aug-2023 20:48	196_ICB.d	AG AS BA CD CR PB SE
CCV 17	1	14-Aug-2023 20:52	198_CCV.d	AG AS BA CD CR PB SE
CCB 17	1	14-Aug-2023 20:54	199_CCB.d	AG AS BA CD CR PB SE
CCV 18	1	14-Aug-2023 21:12	208_CCV.d	AG AS BA CD CR PB SE
CCB 18	1	14-Aug-2023 21:14	209_CCB.d	AG AS BA CD CR PB SE
CCV 19	1	14-Aug-2023 21:25	215_CCV.d	AG AS BA CD CR PB SE
CCB 19	1	14-Aug-2023 21:27	216_CCB.d	AG AS BA CD CR PB SE
CCV 20	1	14-Aug-2023 21:39	222_CCV.d	AG AS BA CD CR PB SE
CCB 20	1	14-Aug-2023 21:41	223_CCB.d	AG AS BA CD CR PB SE
CCV 21	1	14-Aug-2023 21:55	230_CCV.d	AG AS BA CD CR PB SE
CCB 21	1	14-Aug-2023 21:57	231_CCB.d	AG AS BA CD CR PB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642
Start Date: 14-Aug-2023 End Date: 15-Aug-2023

Run ID:ICPMS06_443885
Instrument:ICPMS06
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCV 22	1	14-Aug-2023 22:16	241_CCV.d	AG AS BA CD CR PB SE
CCB 22	1	14-Aug-2023 22:18	242_CCB.d	AG AS BA CD CR PB SE
CCV 23	1	14-Aug-2023 22:40	253_CCV.d	AG AS BA CD CR PB SE
CCB 23	1	14-Aug-2023 22:42	254_CCB.d	AG AS BA CD CR PB SE
CCV 24	1	14-Aug-2023 23:02	264_CCV.d	AG AS BA CD CR PB SE
CCB 24	1	14-Aug-2023 23:04	265_CCB.d	AG AS BA CD CR PB SE
CCV 25	1	14-Aug-2023 23:16	271_CCV.d	AG AS BA CD CR PB SE
CCB 25	1	14-Aug-2023 23:18	272_CCB.d	AG AS BA CD CR PB SE
ICCV 26	1	14-Aug-2023 23:39	283_ICV.d	AG AS BA CD CR PB SE
LLCCV5	1	14-Aug-2023 23:41	284LCV5.d	AG AS BA CD CR PB SE
LLCCV2	1	14-Aug-2023 23:43	285LCV2.d	AG AS BA CD CR PB SE
ICCB 26	1	14-Aug-2023 23:45	286_ICB.d	AG AS BA CD CR PB SE
CCV 27	1	14-Aug-2023 23:48	288_CCV.d	AG AS BA CD CR PB SE
CCB 27	1	14-Aug-2023 23:50	289_CCB.d	AG AS BA CD CR PB SE
MBLK-198922	1	14-Aug-2023 23:52	290SMPL.d	AG AS BA CD CR PB SE
MBLKT1-198910	1	14-Aug-2023 23:54	291SMPL.d	AG AS BA CD CR PB SE
MBLKT2-198909	1	14-Aug-2023 23:57	292SMPL.d	AG AS BA CD CR PB SE
MBLKT3-198938	1	14-Aug-2023 23:59	293SMPL.d	AG AS BA CD CR PB SE
LCS-198922	1	15-Aug-2023 00:01	294SMPL.d	AG AS BA CD CR PB SE
CCV 28	1	15-Aug-2023 00:03	295_CCV.d	AG AS BA CD CR PB SE
CCB 28	1	15-Aug-2023 00:04	296_CCB.d	AG AS BA CD CR PB SE
SP-26	1	15-Aug-2023 00:06	297SMPL.d	AG AS BA CD CR SE
SP-26SD	5	15-Aug-2023 00:08	298SMPL.d	AG AS BA CD CR SE
SP-26MS	1	15-Aug-2023 00:11	299SMPL.d	AG AS BA CD CR PB SE
SP-26MSD	1	15-Aug-2023 00:12	300SMPL.d	AG AS BA CD CR PB SE
SP-26PDS	1	15-Aug-2023 00:14	301SMPL.d	AG AS BA CD CR SE
CCV 29	1	15-Aug-2023 00:16	302_CCV.d	AG AS BA CD CR PB SE
CCB 29	1	15-Aug-2023 00:18	303_CCB.d	AG AS BA CD CR PB SE
SP-27	1	15-Aug-2023 00:20	304SMPL.d	AG AS BA CD CR PB SE
SP-28	1	15-Aug-2023 00:22	305SMPL.d	AG AS BA CD CR PB SE
SP-29	1	15-Aug-2023 00:24	306SMPL.d	AG AS BA CD CR PB SE
SP-30	1	15-Aug-2023 00:26	307SMPL.d	AG AS BA CD CR PB SE
SP-31	1	15-Aug-2023 00:28	308SMPL.d	AG AS BA CD CR PB SE
SP-32	1	15-Aug-2023 00:30	309SMPL.d	AG AS BA CD CR PB SE
SP-33	1	15-Aug-2023 00:32	310SMPL.d	AG AS BA CD CR PB SE
SP-34	1	15-Aug-2023 00:34	311SMPL.d	AG AS BA CD CR PB SE
SP-35	1	15-Aug-2023 00:36	312SMPL.d	AG AS BA CD CR PB SE
SP-36	1	15-Aug-2023 00:38	313SMPL.d	AG AS BA CD CR PB SE
CCV 30	1	15-Aug-2023 00:40	314_CCV.d	AG AS BA CD CR PB SE
CCB 30	1	15-Aug-2023 00:42	315_CCB.d	AG AS BA CD CR PB SE
SP-37	1	15-Aug-2023 00:44	316SMPL.d	AG AS BA CD CR PB SE
SP-38	1	15-Aug-2023 00:46	317SMPL.d	AG AS BA CD CR PB SE
CCV 31	1	15-Aug-2023 01:00	324_CCV.d	AG AS BA CD CR PB SE
CCB 31	1	15-Aug-2023 01:02	325_CCB.d	AG AS BA CD CR PB SE
LLCCV2	1	15-Aug-2023 01:04	326LCV2.d	AG AS BA CD CR PB SE
LLCCV5	1	15-Aug-2023 01:06	327LCV5.d	AG AS BA CD CR PB SE
ICSA	1	15-Aug-2023 01:08	328ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	15-Aug-2023 01:10	329ICSB.d	AG AS BA CD CR PB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

Run ID:ICPMS06_443885
Instrument:ICPMS06
Method:SW6020A

CCB 29 Date: 15-Aug-2023 00:18 Seq: 7490407 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Lead	0.808	0.6	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23080642

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23080642-01	SP-26	Soil		09-Aug-2023 15:49	10-Aug-2023 10:15	☐
HS23080642-02	SP-27	Soil		09-Aug-2023 15:53	10-Aug-2023 10:15	☐
HS23080642-03	SP-28	Soil		09-Aug-2023 15:57	10-Aug-2023 10:15	☐
HS23080642-04	SP-29	Soil		09-Aug-2023 16:00	10-Aug-2023 10:15	☐
HS23080642-05	SP-30	Soil		09-Aug-2023 16:05	10-Aug-2023 10:15	☐
HS23080642-06	SP-31	Soil		09-Aug-2023 16:08	10-Aug-2023 10:15	☐
HS23080642-07	SP-32	Soil		09-Aug-2023 16:14	10-Aug-2023 10:15	☐
HS23080642-08	SP-33	Soil		09-Aug-2023 16:17	10-Aug-2023 10:15	☐
HS23080642-09	SP-34	Soil		09-Aug-2023 16:24	10-Aug-2023 10:15	☐
HS23080642-10	SP-35	Soil		09-Aug-2023 16:28	10-Aug-2023 10:15	☐
HS23080642-11	SP-36	Soil		09-Aug-2023 16:34	10-Aug-2023 10:15	☐
HS23080642-12	SP-37	Soil		09-Aug-2023 16:39	10-Aug-2023 10:15	☐
HS23080642-13	SP-38	Soil		09-Aug-2023 16:48	10-Aug-2023 10:15	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-26
Collection Date: 09-Aug-2023 15:49

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:06
Barium	**1.35**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:06
Cadmium	**0.0743**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:06
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:06
Lead	**33.5**		**0.120**	**1.00**	**mg/L**	20	15-Aug-2023 12:29
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:06
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:06
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-27
Collection Date: 09-Aug-2023 15:53

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:20
Barium	**1.20**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:20
Cadmium	**0.0375**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:20
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:20
Lead	**14.3**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:20
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:20
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:20
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-28
Collection Date: 09-Aug-2023 15:57

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:22
Barium	**0.864**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:22
Cadmium	**0.0406**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:22
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:22
Lead	**14.3**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:22
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:22
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:22
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-29
Collection Date: 09-Aug-2023 16:00

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:24
Barium	**1.19**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:24
Cadmium	**0.0796**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:24
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:24
Lead	**17.9**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:24
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:24
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:24
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:42

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-30
Collection Date: 09-Aug-2023 16:05

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:26
Barium	**1.10**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:26
Cadmium	**0.0610**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:26
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:26
Lead	**12.5**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:26
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:26
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:26
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:44

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-31
Collection Date: 09-Aug-2023 16:08

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:28
Barium	**1.17**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:28
Cadmium	**0.118**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:28
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:28
Lead	**3.92**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:28
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:28
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:28
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 13:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-32
Collection Date: 09-Aug-2023 16:14

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:30
Barium	**1.09**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:30
Cadmium	**0.0770**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:30
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:30
Lead	**11.2**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:30
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:30
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:30
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 15:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-33
Collection Date: 09-Aug-2023 16:17

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:32
Barium	**1.15**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:32
Cadmium	**0.0721**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:32
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:32
Lead	**11.2**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:32
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:32
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:32
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 15:55

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-34
Collection Date: 09-Aug-2023 16:24

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:34
Barium	**1.01**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:34
Cadmium	**0.0634**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:34
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:34
Lead	**5.14**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:34
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:34
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:34
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023		Analyst: JS
Mercury	**0.0000300**	J	**0.0000300**	**0.000200**	**mg/L**	1	15-Aug-2023 15:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-35
Collection Date: 09-Aug-2023 16:28

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:36
Barium	**1.05**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:36
Cadmium	**0.0563**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:36
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:36
Lead	**13.1**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:36
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:36
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:36
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 15:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-36
Collection Date: 09-Aug-2023 16:34

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:38
Barium	**1.05**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:38
Cadmium	**0.0766**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:38
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:38
Lead	**9.40**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:38
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:38
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:38
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 16:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-37
Collection Date: 09-Aug-2023 16:39

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	**0.0185**	J	**0.00400**	**0.0500**	**mg/L**	1	15-Aug-2023 00:44
Barium	**1.34**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:44
Cadmium	**0.117**		**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:44
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:44
Lead	**17.0**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:44
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:44
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:44
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 16:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-38
Collection Date: 09-Aug-2023 16:48

ANALYTICAL REPORT
WorkOrder:HS23080642
Lab ID:HS23080642-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 12-Aug-2023	Prep:SW3010A / 14-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:46
Barium	**1.29**		**0.0190**	**0.200**	**mg/L**	1	15-Aug-2023 00:46
Cadmium	**0.0457**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Aug-2023 00:46
Chromium	U		0.00400	0.0500	mg/L	1	15-Aug-2023 00:46
Lead	**10.6**		**0.00600**	**0.0500**	**mg/L**	1	15-Aug-2023 00:46
Selenium	U		0.0110	0.0500	mg/L	1	15-Aug-2023 00:46
Silver	U		0.00200	0.0500	mg/L	1	15-Aug-2023 00:46
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 12-Aug-2023	Prep:SW7470A / 15-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	15-Aug-2023 16:18

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

Batch ID: 198907 **Start Date:** 11 Aug 2023 15:00 **End Date:** 11 Aug 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080642-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-13		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198909 **Start Date:** 11 Aug 2023 15:00 **End Date:** 11 Aug 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080642-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23080642-13		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198922 **Start Date:** 14 Aug 2023 08:00 **End Date:** 14 Aug 2023 08:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080642-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-12		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23080642-13		1 (mL)	10 (mL)	10	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

Batch ID: 198996 **Start Date:** 15 Aug 2023 08:00 **End Date:** 15 Aug 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080642-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-06		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 199017 **Start Date:** 15 Aug 2023 09:00 **End Date:** 15 Aug 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23080642-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-12		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23080642-13		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198922 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23080642-01	SP-26	09 Aug 2023 15:49	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 12:29	20
HS23080642-01	SP-26	09 Aug 2023 15:49	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:06	1
HS23080642-02	SP-27	09 Aug 2023 15:53	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:20	1
HS23080642-03	SP-28	09 Aug 2023 15:57	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:22	1
HS23080642-04	SP-29	09 Aug 2023 16:00	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:24	1
HS23080642-05	SP-30	09 Aug 2023 16:05	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:26	1
HS23080642-06	SP-31	09 Aug 2023 16:08	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:28	1
HS23080642-07	SP-32	09 Aug 2023 16:14	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:30	1
HS23080642-08	SP-33	09 Aug 2023 16:17	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:32	1
HS23080642-09	SP-34	09 Aug 2023 16:24	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:34	1
HS23080642-10	SP-35	09 Aug 2023 16:28	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:36	1
HS23080642-11	SP-36	09 Aug 2023 16:34	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:38	1
HS23080642-12	SP-37	09 Aug 2023 16:39	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:44	1
HS23080642-13	SP-38	09 Aug 2023 16:48	12 Aug 2023 08:00	14 Aug 2023 08:00	15 Aug 2023 00:46	1
Batch ID: 198996 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080642-01	SP-26	09 Aug 2023 15:49	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:27	1
HS23080642-02	SP-27	09 Aug 2023 15:53	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:28	1
HS23080642-03	SP-28	09 Aug 2023 15:57	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:41	1
HS23080642-04	SP-29	09 Aug 2023 16:00	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:42	1
HS23080642-05	SP-30	09 Aug 2023 16:05	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:44	1
HS23080642-06	SP-31	09 Aug 2023 16:08	12 Aug 2023 08:00	15 Aug 2023 08:00	15 Aug 2023 13:46	1
Batch ID: 199017 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23080642-07	SP-32	09 Aug 2023 16:14	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 15:48	1
HS23080642-08	SP-33	09 Aug 2023 16:17	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 15:55	1
HS23080642-09	SP-34	09 Aug 2023 16:24	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 15:57	1
HS23080642-10	SP-35	09 Aug 2023 16:28	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 15:59	1
HS23080642-11	SP-36	09 Aug 2023 16:34	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 16:00	1
HS23080642-12	SP-37	09 Aug 2023 16:39	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 16:02	1
HS23080642-13	SP-38	09 Aug 2023 16:48	12 Aug 2023 08:00	15 Aug 2023 09:00	15 Aug 2023 16:18	1

WorkOrder: HS23080642
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23080642
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23080642
InstrumentID: ICPMS05
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Lead	7439-92-1	0.00125	0.00120	0.000600	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198922 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-198909** Units: **mg/L** Analysis Date: **14-Aug-2023 23:57**
Client ID: Run ID: **ICPMS06_443885** SeqNo: **7490390** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-198938** Units: **mg/L** Analysis Date: **14-Aug-2023 23:59**
Client ID: Run ID: **ICPMS06_443885** SeqNo: **7490391** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-198910** Units: **mg/L** Analysis Date: **14-Aug-2023 23:54**
Client ID: Run ID: **ICPMS06_443885** SeqNo: **7490389** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198922 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLK-198922** Units: **mg/L** Analysis Date: **14-Aug-2023 23:52**
Client ID: Run ID: **ICPMS06_443885** SeqNo: **7490388** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

LCS Sample ID: **LCS-198922** Units: **mg/L** Analysis Date: **15-Aug-2023 00:01**
Client ID: Run ID: **ICPMS06_443885** SeqNo: **7490398** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04944	0.00500	0.05	0	98.9	80 - 120				
Barium	0.04671	0.0200	0.05	0	93.4	80 - 120				
Cadmium	0.04819	0.00500	0.05	0	96.4	80 - 120				
Chromium	0.04852	0.00500	0.05	0	97.0	80 - 120				
Lead	0.04587	0.00500	0.05	0	91.7	80 - 120				
Selenium	0.05079	0.00500	0.05	0	102	80 - 120				
Silver	0.0467	0.00500	0.05	0	93.4	80 - 120				

MS Sample ID: **HS23080642-01MS** Units: **mg/L** Analysis Date: **15-Aug-2023 00:11**
Client ID: **SP-26** Run ID: **ICPMS06_443885** SeqNo: **7490403** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5093	0.0500	0.5	0.0034	101	80 - 120				
Barium	1.863	0.200	0.5	1.345	104	80 - 120				
Cadmium	0.5721	0.0500	0.5	0.07427	99.6	80 - 120				
Chromium	0.4888	0.0500	0.5	0.00202	97.4	80 - 120				
Lead	32.61	0.0500	0.5	31.52	219	80 - 120				SEO
Selenium	0.5148	0.0500	0.5	0.00169	103	80 - 120				
Silver	0.4706	0.0500	0.5	0.00008	94.1	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198922 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MSD Sample ID: **HS23080642-01MSD** Units: **mg/L** Analysis Date: **15-Aug-2023 00:12**
Client ID: **SP-26** Run ID: **ICPMS06_443885** SeqNo: **7490404** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5113	0.0500	0.5	0.0034	102	80 - 120	0.5093	0.404	20	
Barium	1.874	0.200	0.5	1.345	106	80 - 120	1.863	0.568	20	
Cadmium	0.5726	0.0500	0.5	0.07427	99.7	80 - 120	0.5721	0.0874	20	
Chromium	0.4877	0.0500	0.5	0.00202	97.1	80 - 120	0.4888	0.227	20	
Lead	32.03	0.0500	0.5	31.52	102	80 - 120	32.61	1.81	20	EO
Selenium	0.5455	0.0500	0.5	0.00169	109	80 - 120	0.5148	5.8	20	
Silver	0.4744	0.0500	0.5	0.00008	94.9	80 - 120	0.4706	0.808	20	

PDS Sample ID: **HS23080642-01PDS** Units: **mg/L** Analysis Date: **15-Aug-2023 00:14**
Client ID: **SP-26** Run ID: **ICPMS06_443885** SeqNo: **7490405** PrepDate: **14-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.024	0.0500	1	0.0034	102	75 - 125				
Barium	2.353	0.200	1	1.345	101	75 - 125				
Cadmium	1.065	0.0500	1	0.07427	99.0	75 - 125				
Chromium	0.9784	0.0500	1	0.00202	97.6	75 - 125				
Selenium	1.061	0.0500	1	0.00169	106	75 - 125				
Silver	0.8792	0.0500	1	0.00008	87.9	75 - 125				

PDS Sample ID: **HS23080642-01PDS** Units: **mg/L** Analysis Date: **15-Aug-2023 12:33**
Client ID: **SP-26** Run ID: **ICPMS05_443974** SeqNo: **7490835** PrepDate: **14-Aug-2023** DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	53.84	1.00	20	33.48	102	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198922 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23080642-01SD** Units: **mg/L** Analysis Date: **15-Aug-2023 00:08**
Client ID: **SP-26** Run ID: **ICPMS06_443885** SeqNo: **7490402** PrepDate: **14-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.0034	0	10	
Barium	1.333	1.00					1.345	0.858	10	
Cadmium	0.08012	0.250					0.07427	0	10	J
Chromium	U	0.250					0.00202	0	10	
Selenium	U	0.250					0.00169	0	10	
Silver	U	0.250					0.00008	0	10	

SD Sample ID: **HS23080642-01SD** Units: **mg/L** Analysis Date: **15-Aug-2023 12:31**
Client ID: **SP-26** Run ID: **ICPMS05_443974** SeqNo: **7490834** PrepDate: **14-Aug-2023** DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Lead	33.87	5.00					33.48	1.15	10	

The following samples were analyzed in this batch:

HS23080642-01	HS23080642-02	HS23080642-03	HS23080642-04
HS23080642-05	HS23080642-06	HS23080642-07	HS23080642-08
HS23080642-09	HS23080642-10	HS23080642-11	HS23080642-12
HS23080642-13			

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198996 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT1-198630** Units: **mg/L** Analysis Date: **15-Aug-2023 12:21**
Client ID: Run ID: **HG04_444007** SeqNo: **7491243** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-198744** Units: **mg/L** Analysis Date: **15-Aug-2023 12:25**
Client ID: Run ID: **HG04_444007** SeqNo: **7491245** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-198740** Units: **mg/L** Analysis Date: **15-Aug-2023 12:28**
Client ID: Run ID: **HG04_444007** SeqNo: **7491247** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT7-198857** Units: **mg/L** Analysis Date: **15-Aug-2023 12:32**
Client ID: Run ID: **HG04_444007** SeqNo: **7491249** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT9-198907** Units: **mg/L** Analysis Date: **15-Aug-2023 12:45**
Client ID: Run ID: **HG04_444007** SeqNo: **7491253** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT8-198937** Units: **mg/L** Analysis Date: **15-Aug-2023 12:33**
Client ID: Run ID: **HG04_444007** SeqNo: **7491250** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198996 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT6-198908** Units: **mg/L** Analysis Date: **15-Aug-2023 12:30**
Client ID: Run ID: **HG04_444007** SeqNo: **7491248** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-198856** Units: **mg/L** Analysis Date: **15-Aug-2023 12:27**
Client ID: Run ID: **HG04_444007** SeqNo: **7491246** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT2-198787** Units: **mg/L** Analysis Date: **15-Aug-2023 12:23**
Client ID: Run ID: **HG04_444007** SeqNo: **7491244** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT10-198837** Units: **mg/L** Analysis Date: **15-Aug-2023 12:47**
Client ID: Run ID: **HG04_444007** SeqNo: **7491254** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-198996** Units: **mg/L** Analysis Date: **15-Aug-2023 12:16**
Client ID: Run ID: **HG04_444007** SeqNo: **7491241** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-198996** Units: **mg/L** Analysis Date: **15-Aug-2023 12:20**
Client ID: Run ID: **HG04_444007** SeqNo: **7491242** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00471	0.000200	0.005	0	94.2	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 198996 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MS Sample ID: **HS23080518-01MS** Units: **mg/L** Analysis Date: **15-Aug-2023 13:10**
Client ID: Run ID: **HG04_444007** SeqNo: **7491220** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0045	0.000200	0.005	-0.000007	90.1	75 - 125				

MSD Sample ID: **HS23080518-01MSD** Units: **mg/L** Analysis Date: **15-Aug-2023 13:14**
Client ID: Run ID: **HG04_444007** SeqNo: **7491221** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0053	0.000200	0.005	-0.000007	106	75 - 125	0.0045	16.3	20	

The following samples were analyzed in this batch: HS23080642-01 HS23080642-02 HS23080642-03 HS23080642-04 HS23080642-05 HS23080642-06

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 199017 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198856** Units: **mg/L** Analysis Date: **15-Aug-2023 15:20**
Client ID: Run ID: **HG04_444007** SeqNo: **7491731** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-198937** Units: **mg/L** Analysis Date: **15-Aug-2023 15:24**
Client ID: Run ID: **HG04_444007** SeqNo: **7491733** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-199001** Units: **mg/L** Analysis Date: **15-Aug-2023 15:25**
Client ID: Run ID: **HG04_444007** SeqNo: **7491734** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-198908** Units: **mg/L** Analysis Date: **15-Aug-2023 15:22**
Client ID: Run ID: **HG04_444007** SeqNo: **7491732** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198907** Units: **mg/L** Analysis Date: **15-Aug-2023 15:12**
Client ID: Run ID: **HG04_444007** SeqNo: **7491728** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-199017** Units: **mg/L** Analysis Date: **15-Aug-2023 15:09**
Client ID: Run ID: **HG04_444007** SeqNo: **7491726** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23080642

QC BATCH REPORT

Batch ID: 199017 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

LCS Sample ID: **LCS-199017** Units: **mg/L** Analysis Date: **15-Aug-2023 15:10**
Client ID: Run ID: **HG04_444007** SeqNo: **7491727** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00566	0.000200	0.005	0	113	80 - 120				

MS Sample ID: **HS23080642-07MS** Units: **mg/L** Analysis Date: **15-Aug-2023 15:52**
Client ID: **SP-32** Run ID: **HG04_444007** SeqNo: **7491746** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00534	0.000200	0.005	0.000019	106	75 - 125				

MSD Sample ID: **HS23080642-07MSD** Units: **mg/L** Analysis Date: **15-Aug-2023 15:54**
Client ID: **SP-32** Run ID: **HG04_444007** SeqNo: **7491747** PrepDate: **15-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00546	0.000200	0.005	0.000019	109	75 - 125	0.00534	2.22	20	

The following samples were analyzed in this batch: HS23080642-07 HS23080642-08 HS23080642-09 HS23080642-10 HS23080642-11 HS23080642-12 HS23080642-13

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23080642**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23080642 **Date/Time Received:** **10-Aug-2023 10:15**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Malcolm Burleson	10-Aug-2023 11:50	**Reviewed by:**	/S/ Tyler Monroe	14-Aug-2023 10:02
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **SOIL** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:297507
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.5UC 3.4C		IR31
Cooler(s)/Kit(s):	B. BLUE		
Date/Time sample(s) sent to storage:	08102023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 297507

HS23080642

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
ase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number	GL2040906205	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
any Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
il Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
SP-26	8/9/2023	1549	SO	N/A	1	✓										
SP-27	8/9/2023	1553	SO	N/A	1	✓										
SP-28	8/9/2023	1557	SO	N/A	1	✓										
SP-29	8/9/2023	1600	SO	N/A	1	✓										
SP-30	8/9/2023	1605	SO	N/A	1	✓										
SP-31	8/9/2023	1608	SO	N/A	1	✓										
SP-32	8/9/2023	1614	SO	N/A	1	✓										
SP-33	8/9/2023	1617	SO	N/A	1	✓										
SP-34	8/9/2023	1624	SO	N/A	1	✓										
SP-35	8/9/2023	1628	SO	N/A	1	✓										

er(s) Please Print & Sign: Matt Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☑ Other 72 hr TAT ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date: 8-14-23

ished by:	Date: 8/9/2023	Time: 1920	Received by:	
ished by:	Date:	Time:	Received by (Laboratory): CA 8-10-23 1015	
by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
BLUE	3.5
1831	

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

rvative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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+1 513 733 5336

Fort Collins, CO
+1 970 490 1511

Everett, WA
+1 425 356 2600

Holland, MI
+1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 297508

HS23080642

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
ase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 - TCLP RCRA 8
/ork Order		Project Number	GL2040 906205	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
any Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax		Fax		I	
il Address	Rahel_Pommerenke@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
SP-36	8-9-2023	1634	SO	N/A	1	✓										
SP-37	8/9/2023	1639	SO	N/A	1	✓										
SP-38	8/9/2023	1648	SO	N/A	1	✓										

er(s) Please Print & Sign: t Loughney

Shipment Method: Fed Ex

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☐ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☑ Other 72 hr TAT

Results Due Date: 8/14/23

ished by:	Date: 8/9/2023	Time: 1920	Received by:	Notes: Frisco Pre-Excavation
ished by:	Date:	Time:	Received by (Laboratory): PG 8-10-23 1019	
by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.

QC Package: (Check One Box Below)

- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP Level IV

rvative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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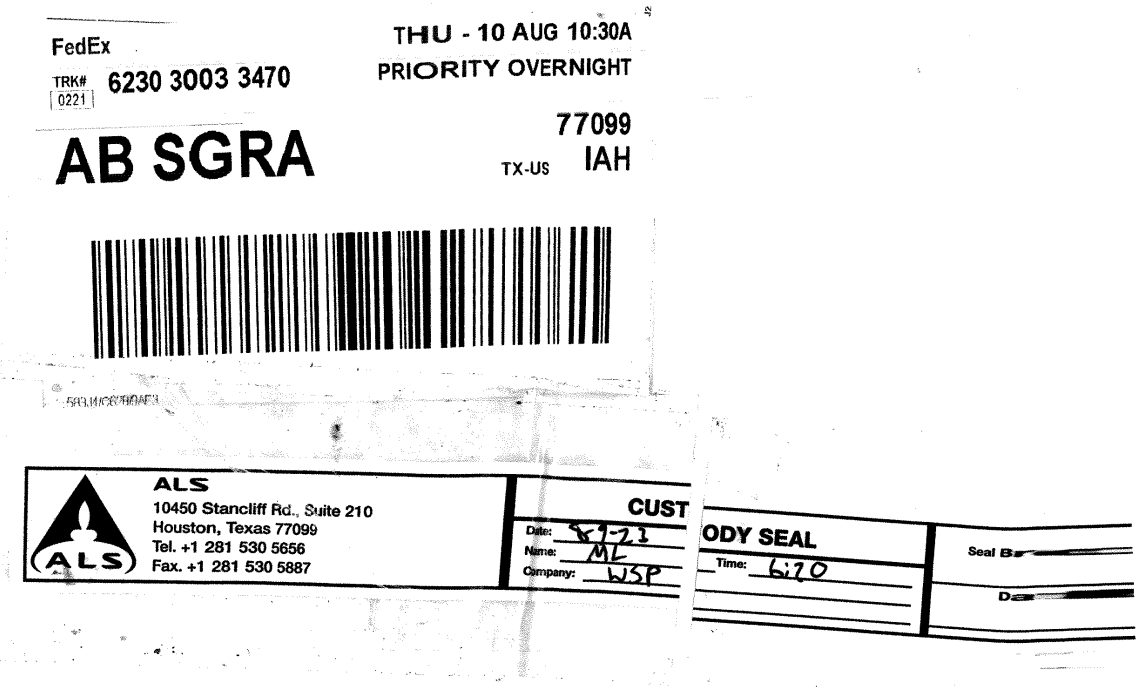
FedEx
TRK# 6230 3003 3470
0221
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PRIORITY OVERNIGHT
77099
TX-US IAH
AB SGRA
ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887
CUST
Date: 8-9-23
Name: ML
Company: WSP
ODY SEAL
Time: 6:20
Seal B
D

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

September 14, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23090369**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 5 sample(s) on Sep 07, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090369**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23090369**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/14/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090369
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200136,200250

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/14/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090369
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200136,200250

#[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)**					
		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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 09/14/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090369
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200136,200250

ER#[5]	Description
1	Batch 200136, TCLP Metals Method SW6020, sample HS23090375-01, MS and MSD were performed on unrelated sample.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23090369

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23090369-01	SP-114	Soil		06-Sep-2023 11:05	07-Sep-2023 10:00	☑
HS23090369-02	SP-115	Soil		06-Sep-2023 11:06	07-Sep-2023 10:00	☐
HS23090369-03	SP-116	Soil		06-Sep-2023 14:00	07-Sep-2023 10:00	☐
HS23090369-04	SP-117	Soil		06-Sep-2023 13:58	07-Sep-2023 10:00	☐
HS23090369-05	SP-118	Soil		06-Sep-2023 16:15	07-Sep-2023 10:00	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-115
Collection Date: 06-Sep-2023 11:06

ANALYTICAL REPORT
WorkOrder:HS23090369
Lab ID:HS23090369-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 08-Sep-2023	Prep:SW3010A / 08-Sep-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	08-Sep-2023 21:49
Barium	**0.679**		**0.0190**	**0.200**	**mg/L**	1	08-Sep-2023 21:49
Cadmium	**0.00290**	J	**0.00200**	**0.0500**	**mg/L**	1	08-Sep-2023 21:49
Chromium	**0.00514**	J	**0.00400**	**0.0500**	**mg/L**	1	08-Sep-2023 21:49
Lead	**0.0174**	J	**0.00600**	**0.0500**	**mg/L**	1	08-Sep-2023 21:49
Selenium	U		0.0110	0.0500	mg/L	1	08-Sep-2023 21:49
Silver	**0.00327**	J	**0.00200**	**0.0500**	**mg/L**	1	08-Sep-2023 21:49
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 08-Sep-2023	Prep:SW7470A / 12-Sep-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	12-Sep-2023 13:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-116
Collection Date: 06-Sep-2023 14:00

ANALYTICAL REPORT
WorkOrder:HS23090369
Lab ID:HS23090369-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 08-Sep-2023	Prep:SW3010A / 08-Sep-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	08-Sep-2023 21:51
Barium	**1.02**		**0.0190**	**0.200**	**mg/L**	1	08-Sep-2023 21:51
Cadmium	**0.0264**	J	**0.00200**	**0.0500**	**mg/L**	1	08-Sep-2023 21:51
Chromium	**0.00465**	J	**0.00400**	**0.0500**	**mg/L**	1	08-Sep-2023 21:51
Lead	**0.0463**	J	**0.00600**	**0.0500**	**mg/L**	1	08-Sep-2023 21:51
Selenium	U		0.0110	0.0500	mg/L	1	08-Sep-2023 21:51
Silver	U		0.00200	0.0500	mg/L	1	08-Sep-2023 21:51
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 08-Sep-2023	Prep:SW7470A / 12-Sep-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	12-Sep-2023 13:39

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-117
Collection Date: 06-Sep-2023 13:58

ANALYTICAL REPORT
WorkOrder:HS23090369
Lab ID:HS23090369-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 08-Sep-2023	Prep:SW3010A / 08-Sep-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	08-Sep-2023 21:53
Barium	**0.709**		**0.0190**	**0.200**	**mg/L**	1	08-Sep-2023 21:53
Cadmium	**0.00448**	J	**0.00200**	**0.0500**	**mg/L**	1	08-Sep-2023 21:53
Chromium	**0.00464**	J	**0.00400**	**0.0500**	**mg/L**	1	08-Sep-2023 21:53
Lead	U		0.00600	0.0500	mg/L	1	08-Sep-2023 21:53
Selenium	U		0.0110	0.0500	mg/L	1	08-Sep-2023 21:53
Silver	U		0.00200	0.0500	mg/L	1	08-Sep-2023 21:53
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 08-Sep-2023	Prep:SW7470A / 12-Sep-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	12-Sep-2023 13:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-118
Collection Date: 06-Sep-2023 16:15

ANALYTICAL REPORT
WorkOrder:HS23090369
Lab ID:HS23090369-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 08-Sep-2023	Prep:SW3010A / 08-Sep-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	08-Sep-2023 21:55
Barium	**0.471**		**0.0190**	**0.200**	**mg/L**	1	08-Sep-2023 21:55
Cadmium	**0.00251**	J	**0.00200**	**0.0500**	**mg/L**	1	08-Sep-2023 21:55
Chromium	**0.00610**	J	**0.00400**	**0.0500**	**mg/L**	1	08-Sep-2023 21:55
Lead	U		0.00600	0.0500	mg/L	1	08-Sep-2023 21:55
Selenium	U		0.0110	0.0500	mg/L	1	08-Sep-2023 21:55
Silver	U		0.00200	0.0500	mg/L	1	08-Sep-2023 21:55
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 08-Sep-2023	Prep:SW7470A / 12-Sep-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	12-Sep-2023 13:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

Batch ID: 200101 **Start Date:** 07 Sep 2023 15:00 **End Date:** 07 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090369-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090369-05		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200102 **Start Date:** 07 Sep 2023 15:00 **End Date:** 07 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090369-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090369-05		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200104 **Start Date:** 07 Sep 2023 15:00 **End Date:** 07 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-03		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200136 **Start Date:** 08 Sep 2023 13:30 **End Date:** 08 Sep 2023 13:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23090369-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23090369-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23090369-05		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 200143 **Start Date:** 07 Sep 2023 15:00 **End Date:** 07 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-03		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200250 **Start Date:** 12 Sep 2023 08:00 **End Date:** 12 Sep 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090369-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090369-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090369-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090369-05		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 200136 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23090369-02	SP-115	06 Sep 2023 11:06	08 Sep 2023 08:00	08 Sep 2023 13:30	08 Sep 2023 21:49	1
HS23090369-03	SP-116	06 Sep 2023 14:00	08 Sep 2023 08:00	08 Sep 2023 13:30	08 Sep 2023 21:51	1
HS23090369-04	SP-117	06 Sep 2023 13:58	08 Sep 2023 08:00	08 Sep 2023 13:30	08 Sep 2023 21:53	1
HS23090369-05	SP-118	06 Sep 2023 16:15	08 Sep 2023 08:00	08 Sep 2023 13:30	08 Sep 2023 21:55	1
Batch ID: 200250 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23090369-02	SP-115	06 Sep 2023 11:06	08 Sep 2023 08:00	12 Sep 2023 08:00	12 Sep 2023 13:38	1
HS23090369-03	SP-116	06 Sep 2023 14:00	08 Sep 2023 08:00	12 Sep 2023 08:00	12 Sep 2023 13:39	1
HS23090369-04	SP-117	06 Sep 2023 13:58	08 Sep 2023 08:00	12 Sep 2023 08:00	12 Sep 2023 13:41	1
HS23090369-05	SP-118	06 Sep 2023 16:15	08 Sep 2023 08:00	12 Sep 2023 08:00	12 Sep 2023 13:43	1

WorkOrder: HS23090369
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23090369
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

QC BATCH REPORT

Batch ID: 200136 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-199867** Units: **mg/L** Analysis Date: **08-Sep-2023 21:18**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533295** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-199744** Units: **mg/L** Analysis Date: **08-Sep-2023 21:20**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533296** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00768	0.0500								J
Lead	0.01469	0.0500								J
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-200102** Units: **mg/L** Analysis Date: **08-Sep-2023 21:16**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533294** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.00471	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	0.2589	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

QC BATCH REPORT

Batch ID: 200136 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLK-200136** Units: **mg/L** Analysis Date: **08-Sep-2023 21:14**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533293** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	0.000421	0.00500								J
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	0.00038	0.00500								J

LCS Sample ID: **LCS-200136** Units: **mg/L** Analysis Date: **08-Sep-2023 21:22**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533297** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04864	0.00500	0.05	0	97.3	80 - 120				
Barium	0.04693	0.0200	0.05	0	93.9	80 - 120				
Cadmium	0.04847	0.00500	0.05	0	97.0	80 - 120				
Chromium	0.04761	0.00500	0.05	0	95.2	80 - 120				
Lead	0.04676	0.00500	0.05	0	93.5	80 - 120				
Selenium	0.04897	0.00500	0.05	0	97.9	80 - 120				
Silver	0.04716	0.00500	0.05	0	94.3	80 - 120				

MS Sample ID: **HS23090375-01MS** Units: **mg/L** Analysis Date: **08-Sep-2023 21:28**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533300** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4952	0.0500	0.5	0.00409	98.2	80 - 120				
Barium	2.562	0.200	0.5	2.039	104	80 - 120				O
Cadmium	0.487	0.0500	0.5	0.00034	97.3	80 - 120				
Chromium	0.4915	0.0500	0.5	0.01024	96.3	80 - 120				
Lead	0.4822	0.0500	0.5	0.0008	96.3	80 - 120				
Selenium	0.5158	0.0500	0.5	0.00062	103	80 - 120				
Silver	0.8843	0.0500	0.5	0.00047	177	80 - 120				S

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

QC BATCH REPORT

Batch ID: 200136 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MSD Sample ID: **HS23090375-01MSD** Units: **mg/L** Analysis Date: **08-Sep-2023 21:30**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533301** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.503	0.0500	0.5	0.00409	99.8	80 - 120	0.4952	1.56	20	
Barium	2.534	0.200	0.5	2.039	98.9	80 - 120	2.562	1.1	20	O
Cadmium	0.4949	0.0500	0.5	0.00034	98.9	80 - 120	0.487	1.62	20	
Chromium	0.4875	0.0500	0.5	0.01024	95.5	80 - 120	0.4915	0.815	20	
Lead	0.4789	0.0500	0.5	0.0008	95.6	80 - 120	0.4822	0.687	20	
Selenium	0.5129	0.0500	0.5	0.00062	102	80 - 120	0.5158	0.566	20	
Silver	1.024	0.0500	0.5	0.00047	205	80 - 120	0.8843	14.7	20	S

PDS Sample ID: **HS23090375-01PDS** Units: **mg/L** Analysis Date: **08-Sep-2023 21:32**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533302** PrepDate: **08-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.084	0.0500	1	0.00409	108	75 - 125				
Barium	3.121	0.200	1	2.039	108	75 - 125				
Cadmium	1.009	0.0500	1	0.00034	101	75 - 125				
Chromium	1.04	0.0500	1	0.01024	103	75 - 125				
Lead	0.9822	0.0500	1	0.0008	98.1	75 - 125				
Selenium	1.073	0.0500	1	0.00062	107	75 - 125				
Silver	0.9734	0.0500	1	0.00047	97.3	75 - 125				

SD Sample ID: **HS23090375-01SD** Units: **mg/L** Analysis Date: **08-Sep-2023 21:26**
Client ID: Run ID: **ICPMS06_445804** SeqNo: **7533299** PrepDate: **08-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00409	0	10	
Barium	2.041	1.00					2.039	0.0809	10	
Cadmium	U	0.250					0.00034	0	10	
Chromium	0.02191	0.250					0.01024	0	10	J
Lead	U	0.250					0.0008	0	10	
Selenium	U	0.250					0.00062	0	10	
Silver	U	0.250					0.00047	0	10	

The following samples were analyzed in this batch: HS23090369-02 HS23090369-03 HS23090369-04 HS23090369-05

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

QC BATCH REPORT

Batch ID: 200250 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-200156** Units: **mg/L** Analysis Date: **12-Sep-2023 12:49**
Client ID: Run ID: **HG04_446096** SeqNo: **7538550** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-199743** Units: **mg/L** Analysis Date: **12-Sep-2023 12:59**
Client ID: Run ID: **HG04_446096** SeqNo: **7538554** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-199870** Units: **mg/L** Analysis Date: **12-Sep-2023 13:03**
Client ID: Run ID: **HG04_446096** SeqNo: **7538527** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT7-200103** Units: **mg/L** Analysis Date: **12-Sep-2023 13:04**
Client ID: Run ID: **HG04_446096** SeqNo: **7538528** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-199819** Units: **mg/L** Analysis Date: **12-Sep-2023 13:01**
Client ID: Run ID: **HG04_446096** SeqNo: **7538526** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-200172** Units: **mg/L** Analysis Date: **12-Sep-2023 12:58**
Client ID: Run ID: **HG04_446096** SeqNo: **7538553** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090369

QC BATCH REPORT

Batch ID: 200250 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT1-200101** Units: **mg/L** Analysis Date: **12-Sep-2023 12:48**
Client ID: Run ID: **HG04_446096** SeqNo: **7538549** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-200250** Units: **mg/L** Analysis Date: **12-Sep-2023 12:42**
Client ID: Run ID: **HG04_446096** SeqNo: **7538547** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-200250** Units: **mg/L** Analysis Date: **12-Sep-2023 12:46**
Client ID: Run ID: **HG04_446096** SeqNo: **7538548** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00521	0.000200	0.005	0	104	80 - 120				

MS Sample ID: **HS23090397-04MS** Units: **mg/L** Analysis Date: **12-Sep-2023 14:02**
Client ID: Run ID: **HG04_446096** SeqNo: **7538556** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00567	0.000200	0.005	0.000001	113	75 - 125				

MSD Sample ID: **HS23090397-04MSD** Units: **mg/L** Analysis Date: **12-Sep-2023 14:04**
Client ID: Run ID: **HG04_446096** SeqNo: **7538557** PrepDate: **12-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00579	0.000200	0.005	0.000001	116	75 - 125	0.00567	2.09	20	

The following samples were analyzed in this batch: HS23090369-02 HS23090369-03 HS23090369-04 HS23090369-05

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23090369**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23090369 **Date/Time Received:** **07-Sep-2023 10:00**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Malcolm Burleson	07-Sep-2023 13:32	**Reviewed by:**	/S/ Tyler Monroe	08-Sep-2023 15:06
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298724
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	1.7UC 1.6C	IR31	
Cooler(s)/Kit(s):	51499		
Date/Time sample(s) sent to storage:	09072023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 298724

HS23090369

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	~~SP-114 Do Not Analyze~~	~~9-6-23~~	~~1105~~	~~Soil~~	~~8~~	~~1~~	~~X~~										
2	SP-115	9-6-23	1106	Soil	8	1	X										
3	SP-116	↓	1400	↓	↓	↓	↓										
4	SP-117		1358														
5	SP-118		1615														
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: William Upchurch

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date:	Time:	Received by:
	9-6-23	1730	
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 9.7.23 1006
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
51499	1.2C
1R51	

QC Package: (Check One Box Below)

☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

CF-3-1

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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51499

CUSTODY SEAL

Date: 9.6.23 Time: 1730
Name: William Wise
Company: WSP

Seal Broken By: SMY
Date: 09107123

51499 SEP 07 2023

ALS
10450 Stancliff Rd., Suite 210
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51499

CUSTODY SEAL

Date: 9.6.23 Time: 1730
Name: William Wise
Company: WSP

Seal Broken By: SMY
Date: 09107123

51499

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 16AUG23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-6656
REF: FRISCO PRE EXAVATION = BO 94989 - TM

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3004 2544

THU - 07 SEP 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

10450 Stancliff Rd. Suite 210
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September 18, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23090452**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 4 sample(s) on Sep 08, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23090452**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23090452**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090452
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200305,200368,200421

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 09/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090452
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200305,200368,200421

#[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)**					
		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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 09/18/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23090452
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 200305,200368,200421

ER#[5]	Description
1	Batch 200368, TCLP Metals Method SW6020, samples HS23090648-02, MS and MSD were performed on unrelated sample.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23090452

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23090452-01	SP-119	Soil		07-Sep-2023 10:10	08-Sep-2023 09:45	☐
HS23090452-02	SP-120	Soil		07-Sep-2023 10:13	08-Sep-2023 09:45	☐
HS23090452-03	SP-121	Soil		07-Sep-2023 14:55	08-Sep-2023 09:45	☐
HS23090452-04	SP-122	Soil		07-Sep-2023 14:57	08-Sep-2023 09:45	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-119
Collection Date: 07-Sep-2023 10:10

ANALYTICAL REPORT
WorkOrder:HS23090452
Lab ID:HS23090452-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 12-Sep-2023	Prep:SW3010A / 14-Sep-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:22
Barium	**0.393**		**0.0190**	**0.200**	**mg/L**	1	15-Sep-2023 23:22
Cadmium	**0.00713**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Sep-2023 23:22
Chromium	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:22
Lead	U		0.00600	0.0500	mg/L	1	15-Sep-2023 23:22
Selenium	U		0.0110	0.0500	mg/L	1	15-Sep-2023 23:22
Silver	U		0.00200	0.0500	mg/L	1	15-Sep-2023 23:22
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 12-Sep-2023	Prep:SW7470A / 14-Sep-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	14-Sep-2023 14:27

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-120
Collection Date: 07-Sep-2023 10:13

ANALYTICAL REPORT
WorkOrder:HS23090452
Lab ID:HS23090452-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 12-Sep-2023	Prep:SW3010A / 13-Sep-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	13-Sep-2023 22:01
Barium	**0.303**		**0.0190**	**0.200**	**mg/L**	1	13-Sep-2023 22:01
Cadmium	**0.00566**	J	**0.00200**	**0.0500**	**mg/L**	1	13-Sep-2023 22:01
Chromium	U		0.00400	0.0500	mg/L	1	13-Sep-2023 22:01
Lead	U		0.00600	0.0500	mg/L	1	13-Sep-2023 22:01
Selenium	U		0.0110	0.0500	mg/L	1	13-Sep-2023 22:01
Silver	U		0.00200	0.0500	mg/L	1	13-Sep-2023 22:01
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 12-Sep-2023	Prep:SW7470A / 14-Sep-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	14-Sep-2023 14:29

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-121
Collection Date: 07-Sep-2023 14:55

ANALYTICAL REPORT
WorkOrder:HS23090452
Lab ID:HS23090452-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 12-Sep-2023	Prep:SW3010A / 14-Sep-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:24
Barium	**0.288**		**0.0190**	**0.200**	**mg/L**	1	15-Sep-2023 23:24
Cadmium	**0.00792**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Sep-2023 23:24
Chromium	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:24
Lead	**0.0213**	J	**0.00600**	**0.0500**	**mg/L**	1	15-Sep-2023 23:24
Selenium	U		0.0110	0.0500	mg/L	1	15-Sep-2023 23:24
Silver	U		0.00200	0.0500	mg/L	1	15-Sep-2023 23:24
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 12-Sep-2023	Prep:SW7470A / 14-Sep-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	14-Sep-2023 14:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-122
Collection Date: 07-Sep-2023 14:57

ANALYTICAL REPORT
WorkOrder:HS23090452
Lab ID:HS23090452-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 12-Sep-2023	Prep:SW3010A / 14-Sep-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:26
Barium	**0.132**	J	**0.0190**	**0.200**	**mg/L**	1	15-Sep-2023 23:26
Cadmium	**0.00230**	J	**0.00200**	**0.0500**	**mg/L**	1	15-Sep-2023 23:26
Chromium	U		0.00400	0.0500	mg/L	1	15-Sep-2023 23:26
Lead	**0.0886**		**0.00600**	**0.0500**	**mg/L**	1	15-Sep-2023 23:26
Selenium	U		0.0110	0.0500	mg/L	1	15-Sep-2023 23:26
Silver	U		0.00200	0.0500	mg/L	1	15-Sep-2023 23:26
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 12-Sep-2023	Prep:SW7470A / 14-Sep-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	14-Sep-2023 14:32

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

Batch ID: 200236 **Start Date:** 11 Sep 2023 15:00 **End Date:** 11 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090452-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-04		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200240 **Start Date:** 11 Sep 2023 15:00 **End Date:** 11 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090452-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23090452-04		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 200305 **Start Date:** 13 Sep 2023 08:30 **End Date:** 13 Sep 2023 08:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090452-02		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 200368 **Start Date:** 14 Sep 2023 08:30 **End Date:** 14 Sep 2023 08:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090452-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23090452-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23090452-04		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 200421 **Start Date:** 14 Sep 2023 08:00 **End Date:** 14 Sep 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23090452-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090452-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090452-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23090452-04		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 200305 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23090452-02	SP-120	07 Sep 2023 10:13	12 Sep 2023 08:00	13 Sep 2023 08:30	13 Sep 2023 22:01	1
Batch ID: 200368 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23090452-01	SP-119	07 Sep 2023 10:10	12 Sep 2023 08:00	14 Sep 2023 08:30	15 Sep 2023 23:22	1
HS23090452-03	SP-121	07 Sep 2023 14:55	12 Sep 2023 08:00	14 Sep 2023 08:30	15 Sep 2023 23:24	1
HS23090452-04	SP-122	07 Sep 2023 14:57	12 Sep 2023 08:00	14 Sep 2023 08:30	15 Sep 2023 23:26	1
Batch ID: 200421 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23090452-01	SP-119	07 Sep 2023 10:10	12 Sep 2023 08:00	14 Sep 2023 08:00	14 Sep 2023 14:27	1
HS23090452-02	SP-120	07 Sep 2023 10:13	12 Sep 2023 08:00	14 Sep 2023 08:00	14 Sep 2023 14:29	1
HS23090452-03	SP-121	07 Sep 2023 14:55	12 Sep 2023 08:00	14 Sep 2023 08:00	14 Sep 2023 14:31	1
HS23090452-04	SP-122	07 Sep 2023 14:57	12 Sep 2023 08:00	14 Sep 2023 08:00	14 Sep 2023 14:32	1

WorkOrder: HS23090452
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23090452
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23090452
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	1.85	0.000400	0.00500
A	Barium	7440-39-3	0.00250	2.12	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	2.13	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	1.89	0.000400	0.00500
A	Lead	7439-92-1	0.00125	2.00	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	1.85	0.00110	0.00500
A	Silver	7440-22-4	0.000500	1.27	0.000200	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200305 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-200158** Units: **mg/L** Analysis Date: **13-Sep-2023 20:45**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542234** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-200242** Units: **mg/L** Analysis Date: **13-Sep-2023 20:50**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542236** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-200329** Units: **mg/L** Analysis Date: **13-Sep-2023 20:52**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542237** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200305 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-200159** Units: **mg/L** Analysis Date: **13-Sep-2023 20:47**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542235** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-200240** Units: **mg/L** Analysis Date: **13-Sep-2023 16:15**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7541526** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-200305** Units: **mg/L** Analysis Date: **13-Sep-2023 16:13**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7541525** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200305 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-200305** Units: **mg/L** Analysis Date: **13-Sep-2023 16:17**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7541527** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.0503	0.00500	0.05	0	101	80 - 120				
Barium	0.05013	0.0200	0.05	0	100	80 - 120				
Cadmium	0.0504	0.00500	0.05	0	101	80 - 120				
Chromium	0.05025	0.00500	0.05	0	100	80 - 120				
Lead	0.04625	0.00500	0.05	0	92.5	80 - 120				
Selenium	0.05009	0.00500	0.05	0	100	80 - 120				
Silver	0.04958	0.00500	0.05	0	99.2	80 - 120				

MS Sample ID: **HS23090409-01MS** Units: **mg/L** Analysis Date: **13-Sep-2023 21:03**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542242** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5188	0.0500	0.5	0.01428	101	80 - 120				
Barium	1.68	0.200	0.5	1.192	97.7	80 - 120				
Cadmium	0.4912	0.0500	0.5	0.00076	98.1	80 - 120				
Chromium	0.4842	0.0500	0.5	-0.00038	96.9	80 - 120				
Lead	0.4572	0.0500	0.5	0.00524	90.4	80 - 120				
Selenium	0.4913	0.0500	0.5	-0.00511	99.3	80 - 120				
Silver	0.4762	0.0500	0.5	0.0001	95.2	80 - 120				

MSD Sample ID: **HS23090409-01MSD** Units: **mg/L** Analysis Date: **13-Sep-2023 21:06**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542243** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5356	0.0500	0.5	0.01428	104	80 - 120	0.5188	3.2	20	
Barium	1.683	0.200	0.5	1.192	98.3	80 - 120	1.68	0.172	20	
Cadmium	0.4956	0.0500	0.5	0.00076	99.0	80 - 120	0.4912	0.898	20	
Chromium	0.4943	0.0500	0.5	-0.00038	98.9	80 - 120	0.4842	2.06	20	
Lead	0.4536	0.0500	0.5	0.00524	89.7	80 - 120	0.4572	0.782	20	
Selenium	0.5189	0.0500	0.5	-0.00511	105	80 - 120	0.4913	5.46	20	
Silver	0.4811	0.0500	0.5	0.0001	96.2	80 - 120	0.4762	1.02	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200305 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23090409-01PDS** Units: **mg/L** Analysis Date: **13-Sep-2023 21:08**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542244** PrepDate: **13-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.128	0.0500	1	0.01428	111	75 - 125				
Barium	2.229	0.200	1	1.192	104	75 - 125				
Cadmium	1.048	0.0500	1	0.00076	105	75 - 125				
Chromium	1.066	0.0500	1	-0.00038	107	75 - 125				
Lead	1.046	0.0500	1	0.00524	104	75 - 125				
Selenium	1.1	0.0500	1	-0.00511	110	75 - 125				
Silver	0.9754	0.0500	1	0.0001	97.5	75 - 125				

SD Sample ID: **HS23090409-01SD** Units: **mg/L** Analysis Date: **13-Sep-2023 21:01**
Client ID: Run ID: **ICPMS07_446160** SeqNo: **7542241** PrepDate: **13-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.01428	0	10	
Barium	1.174	1.00					1.192	1.48	10	
Cadmium	U	0.250					0.00076	0	10	
Chromium	U	0.250					-0.00038	0	10	
Lead	U	0.250					0.00524	0	10	
Selenium	U	0.250					-0.00511	0	10	
Silver	U	0.250					0.0001	0	10	

The following samples were analyzed in this batch: HS23090452-02

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200368 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-200329** Units: **mg/L** Analysis Date: **15-Sep-2023 21:44**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546969** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-200405** Units: **mg/L** Analysis Date: **15-Sep-2023 21:48**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546971** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-200370** Units: **mg/L** Analysis Date: **15-Sep-2023 21:49**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546972** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200368 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-200338** Units: **mg/L** Analysis Date: **15-Sep-2023 21:46**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546970** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.0058	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-200240** Units: **mg/L** Analysis Date: **15-Sep-2023 21:42**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546968** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-200368** Units: **mg/L** Analysis Date: **15-Sep-2023 21:40**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546967** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	0.000404	0.00500								J
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200368 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-200368** Units: **mg/L** Analysis Date: **15-Sep-2023 21:51**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546973** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05208	0.00500	0.05	0	104	80 - 120				
Barium	0.05186	0.0200	0.05	0	104	80 - 120				
Cadmium	0.05291	0.00500	0.05	0	106	80 - 120				
Chromium	0.05033	0.00500	0.05	0	101	80 - 120				
Lead	0.05281	0.00500	0.05	0	106	80 - 120				
Selenium	0.05441	0.00500	0.05	0	109	80 - 120				
Silver	0.05038	0.00500	0.05	0	101	80 - 120				

MS Sample ID: **HS23090648-02MS** Units: **mg/L** Analysis Date: **15-Sep-2023 22:12**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546960** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5586	0.0500	0.5	-0.00009	112	80 - 120				
Barium	1.859	0.200	0.5	0.9686	178	80 - 120				S
Cadmium	0.5462	0.0500	0.5	0.00055	109	80 - 120				
Chromium	0.5298	0.0500	0.5	-0.0028	107	80 - 120				
Lead	0.5498	0.0500	0.5	0.00044	110	80 - 120				
Selenium	0.5583	0.0500	0.5	-0.00037	112	80 - 120				
Silver	0.5165	0.0500	0.5	0.00014	103	80 - 120				

MSD Sample ID: **HS23090648-02MSD** Units: **mg/L** Analysis Date: **15-Sep-2023 22:13**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546961** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5369	0.0500	0.5	-0.00009	107	80 - 120	0.5586	3.95	20	
Barium	1.926	0.200	0.5	0.9686	191	80 - 120	1.859	3.5	20	S
Cadmium	0.5456	0.0500	0.5	0.00055	109	80 - 120	0.5462	0.112	20	
Chromium	0.5179	0.0500	0.5	-0.0028	104	80 - 120	0.5298	2.28	20	
Lead	0.5451	0.0500	0.5	0.00044	109	80 - 120	0.5498	0.858	20	
Selenium	0.5534	0.0500	0.5	-0.00037	111	80 - 120	0.5583	0.88	20	
Silver	0.5084	0.0500	0.5	0.00014	102	80 - 120	0.5165	1.59	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200368 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23090648-02PDS** Units: **mg/L** Analysis Date: **15-Sep-2023 22:15**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546962** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.057	0.0500	1	-0.00009	106	75 - 125				
Cadmium	1.048	0.0500	1	0.00055	105	75 - 125				
Chromium	1.016	0.0500	1	-0.0028	102	75 - 125				
Lead	1.031	0.0500	1	0.00044	103	75 - 125				
Selenium	1.064	0.0500	1	-0.00037	106	75 - 125				
Silver	1.003	0.0500	1	0.00014	100	75 - 125				

PDS Sample ID: **HS23090648-02PDS** Units: **mg/L** Analysis Date: **16-Sep-2023 11:19**
Client ID: Run ID: **ICPMS06_446525** SeqNo: **7547167** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	2.159	0.200	1	0.9686	119	75 - 125				

SD Sample ID: **HS23090648-02SD** Units: **mg/L** Analysis Date: **15-Sep-2023 22:10**
Client ID: Run ID: **ICPMS06_446501** SeqNo: **7546959** PrepDate: **14-Sep-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					-0.00009	0	10	
Barium	0.9444	1.00					0.9686	0	10	J
Cadmium	U	0.250					0.00055	0	10	
Chromium	U	0.250					-0.0028	0	10	
Lead	U	0.250					0.00044	0	10	
Selenium	U	0.250					-0.00037	0	10	
Silver	U	0.250					0.00014	0	10	

The following samples were analyzed in this batch: HS23090452-01 HS23090452-03 HS23090452-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200421 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-200236** Units: **mg/L** Analysis Date: **14-Sep-2023 13:46**
Client ID: Run ID: **HG04_446366** SeqNo: **7544186** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-200337** Units: **mg/L** Analysis Date: **14-Sep-2023 13:50**
Client ID: Run ID: **HG04_446366** SeqNo: **7544188** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-200401** Units: **mg/L** Analysis Date: **14-Sep-2023 13:56**
Client ID: Run ID: **HG04_446366** SeqNo: **7544189** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-200369** Units: **mg/L** Analysis Date: **14-Sep-2023 14:05**
Client ID: Run ID: **HG04_446366** SeqNo: **7544219** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-200326** Units: **mg/L** Analysis Date: **14-Sep-2023 13:48**
Client ID: Run ID: **HG04_446366** SeqNo: **7544187** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-200156** Units: **mg/L** Analysis Date: **14-Sep-2023 13:44**
Client ID: Run ID: **HG04_446366** SeqNo: **7544185** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23090452

QC BATCH REPORT

Batch ID: 200421 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-200421** Units: **mg/L** Analysis Date: **14-Sep-2023 13:41**
Client ID: Run ID: **HG04_446366** SeqNo: **7544183** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-200421** Units: **mg/L** Analysis Date: **14-Sep-2023 13:57**
Client ID: Run ID: **HG04_446366** SeqNo: **7544190** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00489	0.000200	0.005	0	97.8	80 - 120				

MS Sample ID: **HS23090403-04MS** Units: **mg/L** Analysis Date: **14-Sep-2023 14:19**
Client ID: Run ID: **HG04_446366** SeqNo: **7544227** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	-0.000006	99.1	75 - 125				

MSD Sample ID: **HS23090403-04MSD** Units: **mg/L** Analysis Date: **14-Sep-2023 14:21**
Client ID: Run ID: **HG04_446366** SeqNo: **7544228** PrepDate: **14-Sep-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00552	0.000200	0.005	-0.000006	111	75 - 125	0.00495	10.9	20	

The following samples were analyzed in this batch: HS23090452-01 HS23090452-02 HS23090452-03 HS23090452-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23090452**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23090452 **Date/Time Received:** **08-Sep-2023 09:45**

Client Name: Golder St Louis **Received by:** **Malcolm Burleson**

Completed By: */S/ Malcolm Burleson* 08-Sep-2023 15:15 **Reviewed by:** */S/ Tyler Monroe* 11-Sep-2023 10:44

eSignature Date/Time eSignature Date/Time

Matrices: **SOIL** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:3.9UC 3.8C
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.9UC 3.8C		IR31
Cooler(s)/Kit(s):	51492		
Date/Time sample(s) sent to storage:	09082023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page _____ of _____

COC ID: 298713

HS23090452

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information		Parameters
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A 1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B RCRA 8 Soil (6020/7471 Tot: RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	AccountsPayable WSP	D RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E
				F
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G
Phone	(314) 984-8800	Phone	(314) 9848800	H
Fax	timothy.jennings@wsp.com	Fax		I
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-119	9-7-23	1010	Soil	2	1	X										
2	SP-120	↓	1013	↓	↓	↓	↓										
3	SP-121		1455														
4	SP-122	↓	1457	↓	↓	↓	↓										
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: William Wright WW WW

Shipment Method:

Required Turnaround Time: (Check Box) ☐ Other _____ ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour

Results Due Date:

Relinquished by: WW WW	Date: 9-7-23	Time: 1530	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): 0945	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	S1492	IR 3.1 3.9 -0.1

QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other

☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51492

CUSTODY SEAL

Date: 9-7-23 Time: 1125
Name: [illegible]
Company: WSP

Seal Broken By: SM
Date: 09108123

51492 SEP 0 8 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51492

CUSTODY SEAL

Date: 9-7-23 Time: 1625
Name: [illegible]
Company: WSP

Seal Broken By: SM
Date: 09108123

SHORT HOLDING TIME

EXP 1623

ALS

51492

ORIGIN ID:SGRA (817) 769-9914
GERARDO RUIZ
GOLDER
14114 N DALLAS PKWY, SUITE 315

DALLAS, TX 75254
UNITED STATES US

SHIP DATE: 24MAR22
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3512
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: BOEING SAN ANTONIA-BO 84207-DW

RMA:

FedEx Express

FedEx
TRK# 0221 5300 5229 5341

FRI - 08 SEP 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

#4072153 09/07 5B3J3/CEED/9AE3

Part # 158297-495 RRD22 EXP 12/23

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

July 31, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23071516**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 9 sample(s) on Jul 25, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23071516**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23071516**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 07/31/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23071516
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198095,198197,198221,R442690

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data

Laboratory Name: ALS Laboratory Group	LRC Date: 07/31/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23071516
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198095,198197,198221,R442690

#[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)**					
		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 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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group		LRC Date: 07/31/2023
Project Name: Frisco Pre-Excavation Soil		Laboratory Job Number: HS23071516
Reviewer Name: Tyler Monroe		Prep Batch Number(s): 198095,198197,198221,R442690
ER#[5]	**Description**	
1	Batch 198197, Metals Method SW6020, sample SP-1, MS and or MSD recovered outside the control limit for Barium, Chromium and Lead, however, the result in the parent sample is 4x greater than the spike amount for Barium and Lead.	
2	See Run Log and CCB Exceptions Report	

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516
Start Date: 31-Jul-2023 End Date: 31-Jul-2023

Run ID:ICPMS05_442748
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	31-Jul-2023 10:41	022_ICV.d	AG AS BA CD CR PB SE
LLICV2	1	31-Jul-2023 10:45	024LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	31-Jul-2023 10:47	025LCV5.d	AG AS BA CD CR PB SE
ICB	1	31-Jul-2023 10:56	027_ICB.d	AG AS BA CD CR PB SE
ICSA	1	31-Jul-2023 10:58	028ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	31-Jul-2023 11:00	029ICSB.d	AG AS BA CD CR PB SE
CCV 1	1	31-Jul-2023 11:08	031_CCV.d	AG AS BA CD CR PB SE
CCB 1	1	31-Jul-2023 11:10	032_CCB.d	AG AS BA CD CR PB SE
CCV 2	1	31-Jul-2023 11:33	043_CCV.d	AG AS BA CD CR PB SE
CCB 2	1	31-Jul-2023 11:35	044_CCB.d	AG AS BA CD CR PB SE
MBLK-198281	1	31-Jul-2023 11:39	045SMPL.d	AG AS BA CD CR PB SE
LCS-198281	1	31-Jul-2023 11:41	046SMPL.d	AG AS BA CD CR PB SE
CCV 3	1	31-Jul-2023 11:59	055_CCV.d	AG AS BA CD CR PB SE
CCB 3	1	31-Jul-2023 12:01	056_CCB.d	AG AS BA CD CR PB SE
MBLKT1-198154	1	31-Jul-2023 12:03	057SMPL.d	AG AS BA CD CR PB SE
MBLKT2-198155	1	31-Jul-2023 12:05	058SMPL.d	AG AS BA CD CR PB SE
MBLKT3-198227	1	31-Jul-2023 12:07	059SMPL.d	AG AS BA CD CR PB SE
MBLKT4-197891	1	31-Jul-2023 12:09	060SMPL.d	AG AS BA CD CR PB SE
SP-1	1	31-Jul-2023 12:11	061SMPL.d	AG AS BA CD CR PB SE
SP-1SD	5	31-Jul-2023 12:13	062SMPL.d	AG AS BA CD CR PB SE
SP-1MS	1	31-Jul-2023 12:15	063SMPL.d	AG AS BA CD CR PB SE
SP-1MSD	1	31-Jul-2023 12:17	064SMPL.d	AG AS BA CD CR PB SE
SP-1PDS	1	31-Jul-2023 12:19	065SMPL.d	AG AS BA CD CR PB SE
CCV 4	1	31-Jul-2023 12:23	067_CCV.d	AG AS BA CD CR PB SE
CCB 4	1	31-Jul-2023 12:25	068_CCB.d	AG AS BA CD CR PB SE
SP-2	1	31-Jul-2023 12:35	073SMPL.d	AG AS BA CD CR PB SE
SP-3	1	31-Jul-2023 12:37	074SMPL.d	AG AS BA CD CR PB SE
SP-4	1	31-Jul-2023 12:39	075SMPL.d	AG AS BA CD CR PB SE
SP-5	1	31-Jul-2023 12:41	076SMPL.d	AG AS BA CD CR PB SE
SP-6	1	31-Jul-2023 12:43	077SMPL.d	AG AS BA CD CR PB SE
CCV 5	1	31-Jul-2023 12:47	079_CCV.d	AG AS BA CD CR PB SE
CCB 5	1	31-Jul-2023 12:49	080_CCB.d	AG AS BA CD CR PB SE
SP-7	1	31-Jul-2023 12:52	081SMPL.d	AG AS BA CD CR PB SE
SP-8	1	31-Jul-2023 12:54	082SMPL.d	AG AS BA CD CR PB SE
SP-9	1	31-Jul-2023 12:56	083SMPL.d	AG AS BA CD CR PB SE
CCV 6	1	31-Jul-2023 13:27	091_CCV.d	AG AS BA CD CR PB SE
CCB 6	1	31-Jul-2023 13:29	092_CCB.d	AG AS BA CD CR PB SE
MBLK-198197	1	31-Jul-2023 13:31	093SMPL.d	AG AS BA CD CR PB SE
LCS-198197	1	31-Jul-2023 13:33	094SMPL.d	AG AS BA CD CR PB SE
SP-1	1	31-Jul-2023 13:35	095SMPL.d	AG AS BA CD CR PB SE
SP-1SD	5	31-Jul-2023 13:37	096SMPL.d	AG AS BA CD CR PB SE
SP-1MS	1	31-Jul-2023 13:39	097SMPL.d	AG AS BA CD CR PB SE
SP-1MSD	1	31-Jul-2023 13:41	098SMPL.d	AG AS BA CD CR PB SE
SP-1PDS	1	31-Jul-2023 13:43	099SMPL.d	AG AS BA CD CR PB SE
CCV 7	1	31-Jul-2023 13:51	103_CCV.d	AG AS BA CD CR PB SE
CCB 7	1	31-Jul-2023 13:53	104_CCB.d	AG AS BA CD CR PB SE
SP-2	1	31-Jul-2023 13:57	106SMPL.d	AG AS BA CD CR SE
SP-3	1	31-Jul-2023 13:59	107SMPL.d	AG AS BA CD CR SE
SP-4	1	31-Jul-2023 14:01	108SMPL.d	AG AS BA CD CR SE
SP-5	1	31-Jul-2023 14:03	109SMPL.d	AG AS CD CR PB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516
Start Date: 31-Jul-2023 End Date: 31-Jul-2023

Run ID:ICPMS05_442748
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
SP-6	1	31-Jul-2023 14:05	110SMPL.d	AG AS BA CD CR SE
SP-7	1	31-Jul-2023 14:07	111SMPL.d	AG AS BA CD CR SE
SP-8	1	31-Jul-2023 14:09	112SMPL.d	AG AS BA CD CR SE
SP-9	1	31-Jul-2023 14:11	113SMPL.d	AG AS BA CD CR PB SE
CCV 8	1	31-Jul-2023 14:15	115_CCV.d	AG AS BA CD CR PB SE
CCB 8	1	31-Jul-2023 14:17	116_CCB.d	AG AS BA CD CR PB SE
SP-2	100	31-Jul-2023 14:26	120SMPL.d	PB
SP-3	50	31-Jul-2023 14:28	121SMPL.d	PB
SP-4	20	31-Jul-2023 14:30	122SMPL.d	PB
SP-5	20	31-Jul-2023 14:32	123SMPL.d	BA
SP-6	20	31-Jul-2023 14:34	124SMPL.d	PB
SP-7	20	31-Jul-2023 14:35	125SMPL.d	PB
SP-8	100	31-Jul-2023 14:37	126SMPL.d	PB
CCV 9	1	31-Jul-2023 14:40	127_CCV.d	AG AS BA CD CR PB SE
CCB 9	1	31-Jul-2023 14:42	128_CCB.d	AG AS BA CD CR PB SE
CCV 10	1	31-Jul-2023 15:04	139_CCV.d	AG AS BA CD CR PB SE
CCB 10	1	31-Jul-2023 15:06	140_CCB.d	AG AS BA CD CR PB SE
CCV 11	1	31-Jul-2023 16:09	144_CCV.d	AG AS BA CD CR PB SE
CCB 11	1	31-Jul-2023 16:11	145_CCB.d	AG AS BA CD CR PB SE
CCV 12	1	31-Jul-2023 16:13	146_CCV.d	AG AS BA CD CR PB SE
CCV 13	1	31-Jul-2023 16:36	157_CCV.d	AG AS BA CD CR PB SE
CCB 12	1	31-Jul-2023 16:38	158_CCB.d	AG AS BA CD CR PB SE
CCV 14	1	31-Jul-2023 17:00	169_CCV.d	AG AS BA CD CR PB SE
CCB 13	1	31-Jul-2023 17:02	170_CCB.d	AG AS BA CD CR PB SE
CCV 15	1	31-Jul-2023 17:19	177_CCV.d	AG AS BA CD CR PB SE
CCB 14	1	31-Jul-2023 17:21	178_CCB.d	AG AS BA CD CR PB SE
ICCV 16	1	31-Jul-2023 17:45	189_ICV.d	AG AS BA CD CR PB SE
LLICCV2	1	31-Jul-2023 17:49	191LCV2.d	AG AS BA CD CR PB SE
LLICCV5	1	31-Jul-2023 17:51	192LCV5.d	AG AS BA CD CR PB SE
ICCB 15	1	31-Jul-2023 17:55	194_ICB.d	AG AS BA CD CR PB SE
CCV 17	1	31-Jul-2023 17:58	195_CCV.d	AG AS BA CD CR PB SE
CCB 16	1	31-Jul-2023 18:00	196_CCB.d	AG AS BA CD CR PB SE
CCV 18	1	31-Jul-2023 18:22	207_CCV.d	AG AS BA CD CR PB SE
CCB 17	1	31-Jul-2023 18:24	208_CCB.d	AG AS BA CD CR PB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

Run ID:ICPMS05_442748
Instrument:ICPMS05
Method:SW6020A

CCB 7	Date: 31-Jul-2023 13:53	Seq: 7461778		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.408	0.4	4	
CCB 8	Date: 31-Jul-2023 14:17	Seq: 7461886		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.501	0.4	4	
	Lead	0.92	0.6	2	
CCB 9	Date: 31-Jul-2023 14:42	Seq: 7462328		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.596	0.4	4	
CCB 10	Date: 31-Jul-2023 15:06	Seq: 7462340		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.528	0.4	4	
CCB 13	Date: 31-Jul-2023 17:02	Seq: 7462627		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.488	0.4	4	
CCB 14	Date: 31-Jul-2023 17:21	Seq: 7462718		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.434	0.4	4	
ICCB 15	Date: 31-Jul-2023 17:55	Seq: 7462760		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.615	0.4	4	
CCB 16	Date: 31-Jul-2023 18:00	Seq: 7462762		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.573	0.4	4	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23071516

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071516-01	SP-1	Soil		24-Jul-2023 09:20	25-Jul-2023 09:25	☐
HS23071516-02	SP-2	Soil		24-Jul-2023 09:30	25-Jul-2023 09:25	☐
HS23071516-03	SP-3	Soil		24-Jul-2023 09:40	25-Jul-2023 09:25	☐
HS23071516-04	SP-4	Soil		24-Jul-2023 09:50	25-Jul-2023 09:25	☐
HS23071516-05	SP-5	Soil		24-Jul-2023 10:00	25-Jul-2023 09:25	☐
HS23071516-06	SP-6	Soil		24-Jul-2023 10:10	25-Jul-2023 09:25	☐
HS23071516-07	SP-7	Soil		24-Jul-2023 10:20	25-Jul-2023 09:25	☐
HS23071516-08	SP-8	Soil		24-Jul-2023 10:40	25-Jul-2023 09:25	☐
HS23071516-09	SP-9	Soil		24-Jul-2023 10:50	25-Jul-2023 09:25	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-1
Collection Date: 24-Jul-2023 09:20

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:11
Barium	**0.514**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:11
Cadmium	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:11
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:11
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:11
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:11
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:11
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**12.2**		**0.0881**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Barium	**153**		**0.0378**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Cadmium	**1.02**		**0.0340**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Chromium	**44.3**		**0.0290**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Lead	**108**		**0.0164**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Selenium	**1.70**		**0.115**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
Silver	**0.128**	J	**0.0189**	**0.630**	**mg/Kg-dry**	1	31-Jul-2023 13:35
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000740**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:08
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**30.0**		**0.566**	**4.00**	**ug/Kg-dry**	1	31-Jul-2023 16:40
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**26.3**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-2
Collection Date: 24-Jul-2023 09:30

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:35
Barium	**0.484**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:35
Cadmium	**0.00371**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:35
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:35
Lead	**0.0333**	J	**0.00600**	**0.0500**	**mg/L**	1	31-Jul-2023 12:35
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:35
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:35
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**13.5**		**0.0877**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
Barium	**127**		**0.0376**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
Cadmium	**3.35**		**0.0338**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
Chromium	**34.0**		**0.0288**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
Lead	**1,540**		**1.63**	**62.6**	**mg/Kg-dry**	100	31-Jul-2023 14:26
Selenium	**2.29**		**0.114**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
Silver	**0.111**	J	**0.0188**	**0.626**	**mg/Kg-dry**	1	31-Jul-2023 13:57
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000560**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:19
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**23.0**		**0.623**	**4.41**	**ug/Kg-dry**	1	31-Jul-2023 16:41
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**23.6**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-3
Collection Date: 24-Jul-2023 09:40

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:37
Barium	**0.508**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:37
Cadmium	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:37
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:37
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:37
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:37
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:37
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**12.0**		**0.0920**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
Barium	**146**		**0.0394**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
Cadmium	**0.925**		**0.0355**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
Chromium	**35.6**		**0.0302**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
Lead	**827**		**0.854**	**32.9**	**mg/Kg-dry**	50	31-Jul-2023 14:28
Selenium	**1.68**		**0.120**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
Silver	**0.121**	J	**0.0197**	**0.657**	**mg/Kg-dry**	1	31-Jul-2023 13:59
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000530**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:21
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**9.69**		**0.638**	**4.52**	**ug/Kg-dry**	1	31-Jul-2023 16:43
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**25.5**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-4
Collection Date: 24-Jul-2023 09:50

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:39
Barium	**0.567**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:39
Cadmium	**0.00406**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:39
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:39
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:39
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:39
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:39
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**11.8**		**0.0905**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
Barium	**165**		**0.0388**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
Cadmium	**2.63**		**0.0349**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
Chromium	**44.1**		**0.0297**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
Lead	**443**		**0.336**	**12.9**	**mg/Kg-dry**	20	31-Jul-2023 14:30
Selenium	**1.81**		**0.118**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
Silver	**0.127**	J	**0.0194**	**0.646**	**mg/Kg-dry**	1	31-Jul-2023 14:01
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	28-Jul-2023 13:22
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**13.6**		**0.685**	**4.85**	**ug/Kg-dry**	1	31-Jul-2023 16:45
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**29.1**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-5
Collection Date: 24-Jul-2023 10:00

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:41
Barium	**0.151**	J	**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:41
Cadmium	**0.0313**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:41
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:41
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:41
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:41
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:41
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**12.1**		**0.0931**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
Barium	**210**		**0.798**	**13.3**	**mg/Kg-dry**	20	31-Jul-2023 14:32
Cadmium	**5.59**		**0.0359**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
Chromium	**45.9**		**0.0306**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
Lead	**60.6**		**0.0173**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
Selenium	**2.29**		**0.121**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
Silver	**0.131**	J	**0.0199**	**0.665**	**mg/Kg-dry**	1	31-Jul-2023 14:03
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000750**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:24
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**19.7**		**0.679**	**4.80**	**ug/Kg-dry**	1	31-Jul-2023 16:47
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**29.5**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-6
Collection Date: 24-Jul-2023 10:10

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:43
Barium	**0.591**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:43
Cadmium	**0.0391**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:43
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:43
Lead	**0.0816**		**0.00600**	**0.0500**	**mg/L**	1	31-Jul-2023 12:43
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:43
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:43
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**11.4**		**0.0887**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
Barium	**149**		**0.0380**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
Cadmium	**10.6**		**0.0342**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
Chromium	**40.1**		**0.0292**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
Lead	**279**		**0.330**	**12.7**	**mg/Kg-dry**	20	31-Jul-2023 14:34
Selenium	**2.33**		**0.115**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
Silver	**0.116**	J	**0.0190**	**0.634**	**mg/Kg-dry**	1	31-Jul-2023 14:05
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000340**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:26
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**21.3**		**0.651**	**4.60**	**ug/Kg-dry**	1	31-Jul-2023 16:48
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**26.9**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-7
Collection Date: 24-Jul-2023 10:20

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:52
Barium	**0.530**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:52
Cadmium	**0.00862**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:52
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:52
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:52
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:52
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:52
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**10.3**		**0.0892**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
Barium	**128**		**0.0382**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
Cadmium	**1.97**		**0.0344**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
Chromium	**35.2**		**0.0293**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
Lead	**343**		**0.331**	**12.7**	**mg/Kg-dry**	20	31-Jul-2023 14:35
Selenium	**1.50**		**0.116**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
Silver	**0.0960**	J	**0.0191**	**0.637**	**mg/Kg-dry**	1	31-Jul-2023 14:07
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000610**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:33
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**22.0**		**0.658**	**4.66**	**ug/Kg-dry**	1	31-Jul-2023 16:50
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**26.3**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-8
Collection Date: 24-Jul-2023 10:40

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:54
Barium	**0.773**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:54
Cadmium	**0.0192**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:54
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:54
Lead	**1.93**		**0.00600**	**0.0500**	**mg/L**	1	31-Jul-2023 12:54
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:54
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:54
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**13.1**		**0.0954**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
Barium	**117**		**0.0409**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
Cadmium	**1.31**		**0.0368**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
Chromium	**30.0**		**0.0314**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
Lead	**1,160**		**1.77**	**68.2**	**mg/Kg-dry**	100	31-Jul-2023 14:37
Selenium	**1.67**		**0.124**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
Silver	**0.103**	J	**0.0204**	**0.682**	**mg/Kg-dry**	1	31-Jul-2023 14:09
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000520**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:35
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**30.2**		**0.726**	**5.14**	**ug/Kg-dry**	1	31-Jul-2023 16:52
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**32.0**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-9
Collection Date: 24-Jul-2023 10:50

ANALYTICAL REPORT
WorkOrder:HS23071516
Lab ID:HS23071516-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 27-Jul-2023	Prep:SW3010A / 31-Jul-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:56
Barium	**0.207**		**0.0190**	**0.200**	**mg/L**	1	31-Jul-2023 12:56
Cadmium	**0.0174**	J	**0.00200**	**0.0500**	**mg/L**	1	31-Jul-2023 12:56
Chromium	U		0.00400	0.0500	mg/L	1	31-Jul-2023 12:56
Lead	U		0.00600	0.0500	mg/L	1	31-Jul-2023 12:56
Selenium	U		0.0110	0.0500	mg/L	1	31-Jul-2023 12:56
Silver	U		0.00200	0.0500	mg/L	1	31-Jul-2023 12:56
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 31-Jul-2023		Analyst: MSC
Arsenic	**11.9**		**0.0989**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Barium	**184**		**0.0424**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Cadmium	**1.58**		**0.0381**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Chromium	**43.1**		**0.0325**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Lead	**52.2**		**0.0184**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Selenium	**2.19**		**0.129**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
Silver	**0.126**	J	**0.0212**	**0.706**	**mg/Kg-dry**	1	31-Jul-2023 14:11
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 27-Jul-2023	Prep:SW7470A / 28-Jul-2023		Analyst: JS
Mercury	**0.0000460**	J	**0.0000300**	**0.000200**	**mg/L**	1	28-Jul-2023 13:36
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 31-Jul-2023		Analyst: JS
Mercury	**22.6**		**0.734**	**5.20**	**ug/Kg-dry**	1	31-Jul-2023 17:01
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: TH
Percent Moisture	**34.6**		**0.0100**	**0.0100**	**wt%**	1	28-Jul-2023 12:23

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

Batch ID: 198095 **Start Date:** 31 Jul 2023 10:00 **End Date:** 31 Jul 2023 10:00
Method: MERCURY PREP - SOLID - 7471B **Prep Code:** HG_S_LOWPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		0.6761 (grams)	40 (mL)	59.16	4-oz glass, Neat
HS23071516-02		0.5924 (grams)	40 (mL)	67.52	4-oz glass, Neat
HS23071516-03		0.5931 (grams)	40 (mL)	67.44	4-oz glass, Neat
HS23071516-04		0.5804 (grams)	40 (mL)	68.92	4-oz glass, Neat
HS23071516-05		0.5891 (grams)	40 (mL)	67.9	4-oz glass, Neat
HS23071516-06		0.5929 (grams)	40 (mL)	67.47	4-oz glass, Neat
HS23071516-07		0.5813 (grams)	40 (mL)	68.81	4-oz glass, Neat
HS23071516-08		0.5712 (grams)	40 (mL)	70.03	4-oz glass, Neat
HS23071516-09		0.5871 (grams)	40 (mL)	68.13	4-oz glass, Neat

Batch ID: 198152 **Start Date:** 26 Jul 2023 15:00 **End Date:** 26 Jul 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-07		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198153 **Start Date:** 26 Jul 2023 15:00 **End Date:** 26 Jul 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198154 **Start Date:** 26 Jul 2023 15:00 **End Date:** 26 Jul 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-07		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

Batch ID: 198155 **Start Date:** 26 Jul 2023 15:00 **End Date:** 26 Jul 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071516-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198197 **Start Date:** 31 Jul 2023 07:30 **End Date:** 31 Jul 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		0.5388 (g)	50 (mL)	92.8	4-oz glass, Neat
HS23071516-02		0.5224 (g)	50 (mL)	95.71	4-oz glass, Neat
HS23071516-03		0.5106 (g)	50 (mL)	97.92	4-oz glass, Neat
HS23071516-04		0.5456 (g)	50 (mL)	91.64	4-oz glass, Neat
HS23071516-05		0.5334 (g)	50 (mL)	93.74	4-oz glass, Neat
HS23071516-06		0.5395 (g)	50 (mL)	92.68	4-oz glass, Neat
HS23071516-07		0.5323 (g)	50 (mL)	93.93	4-oz glass, Neat
HS23071516-08		0.5394 (g)	50 (mL)	92.7	4-oz glass, Neat
HS23071516-09		0.5413 (g)	50 (mL)	92.37	4-oz glass, Neat

Batch ID: 198221 **Start Date:** 28 Jul 2023 08:00 **End Date:** 28 Jul 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071516-09		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 198281 **Start Date:** 31 Jul 2023 07:30 **End Date:** 31 Jul 2023 07:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071516-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071516-09		1 (mL)	10 (mL)	10	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198095 (0)	**Test Name :** MERCURY BY SW7471B				**Matrix:** Soil	
HS23071516-01	SP-1	24 Jul 2023 09:20		31 Jul 2023 10:00	31 Jul 2023 16:40	1
HS23071516-02	SP-2	24 Jul 2023 09:30		31 Jul 2023 10:00	31 Jul 2023 16:41	1
HS23071516-03	SP-3	24 Jul 2023 09:40		31 Jul 2023 10:00	31 Jul 2023 16:43	1
HS23071516-04	SP-4	24 Jul 2023 09:50		31 Jul 2023 10:00	31 Jul 2023 16:45	1
HS23071516-05	SP-5	24 Jul 2023 10:00		31 Jul 2023 10:00	31 Jul 2023 16:47	1
HS23071516-06	SP-6	24 Jul 2023 10:10		31 Jul 2023 10:00	31 Jul 2023 16:48	1
HS23071516-07	SP-7	24 Jul 2023 10:20		31 Jul 2023 10:00	31 Jul 2023 16:50	1
HS23071516-08	SP-8	24 Jul 2023 10:40		31 Jul 2023 10:00	31 Jul 2023 16:52	1
HS23071516-09	SP-9	24 Jul 2023 10:50		31 Jul 2023 10:00	31 Jul 2023 17:01	1
Batch ID: 198197 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23071516-01	SP-1	24 Jul 2023 09:20		31 Jul 2023 07:30	31 Jul 2023 13:35	1
HS23071516-02	SP-2	24 Jul 2023 09:30		31 Jul 2023 07:30	31 Jul 2023 14:26	100
HS23071516-02	SP-2	24 Jul 2023 09:30		31 Jul 2023 07:30	31 Jul 2023 13:57	1
HS23071516-03	SP-3	24 Jul 2023 09:40		31 Jul 2023 07:30	31 Jul 2023 14:28	50
HS23071516-03	SP-3	24 Jul 2023 09:40		31 Jul 2023 07:30	31 Jul 2023 13:59	1
HS23071516-04	SP-4	24 Jul 2023 09:50		31 Jul 2023 07:30	31 Jul 2023 14:30	20
HS23071516-04	SP-4	24 Jul 2023 09:50		31 Jul 2023 07:30	31 Jul 2023 14:01	1
HS23071516-05	SP-5	24 Jul 2023 10:00		31 Jul 2023 07:30	31 Jul 2023 14:32	20
HS23071516-05	SP-5	24 Jul 2023 10:00		31 Jul 2023 07:30	31 Jul 2023 14:03	1
HS23071516-06	SP-6	24 Jul 2023 10:10		31 Jul 2023 07:30	31 Jul 2023 14:34	20
HS23071516-06	SP-6	24 Jul 2023 10:10		31 Jul 2023 07:30	31 Jul 2023 14:05	1
HS23071516-07	SP-7	24 Jul 2023 10:20		31 Jul 2023 07:30	31 Jul 2023 14:35	20
HS23071516-07	SP-7	24 Jul 2023 10:20		31 Jul 2023 07:30	31 Jul 2023 14:07	1
HS23071516-08	SP-8	24 Jul 2023 10:40		31 Jul 2023 07:30	31 Jul 2023 14:37	100
HS23071516-08	SP-8	24 Jul 2023 10:40		31 Jul 2023 07:30	31 Jul 2023 14:09	1
HS23071516-09	SP-9	24 Jul 2023 10:50		31 Jul 2023 07:30	31 Jul 2023 14:11	1
Batch ID: 198221 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23071516-01	SP-1	24 Jul 2023 09:20	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:08	1
HS23071516-02	SP-2	24 Jul 2023 09:30	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:19	1
HS23071516-03	SP-3	24 Jul 2023 09:40	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:21	1
HS23071516-04	SP-4	24 Jul 2023 09:50	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:22	1
HS23071516-05	SP-5	24 Jul 2023 10:00	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:24	1
HS23071516-06	SP-6	24 Jul 2023 10:10	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:26	1
HS23071516-07	SP-7	24 Jul 2023 10:20	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:33	1
HS23071516-08	SP-8	24 Jul 2023 10:40	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:35	1
HS23071516-09	SP-9	24 Jul 2023 10:50	27 Jul 2023 08:00	28 Jul 2023 08:00	28 Jul 2023 13:36	1

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198281 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23071516-01	SP-1	24 Jul 2023 09:20	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:11	1
HS23071516-02	SP-2	24 Jul 2023 09:30	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:35	1
HS23071516-03	SP-3	24 Jul 2023 09:40	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:37	1
HS23071516-04	SP-4	24 Jul 2023 09:50	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:39	1
HS23071516-05	SP-5	24 Jul 2023 10:00	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:41	1
HS23071516-06	SP-6	24 Jul 2023 10:10	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:43	1
HS23071516-07	SP-7	24 Jul 2023 10:20	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:52	1
HS23071516-08	SP-8	24 Jul 2023 10:40	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:54	1
HS23071516-09	SP-9	24 Jul 2023 10:50	27 Jul 2023 08:00	31 Jul 2023 07:30	31 Jul 2023 12:56	1
Batch ID: R442690 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23071516-01	SP-1	24 Jul 2023 09:20			28 Jul 2023 12:23	1
HS23071516-02	SP-2	24 Jul 2023 09:30			28 Jul 2023 12:23	1
HS23071516-03	SP-3	24 Jul 2023 09:40			28 Jul 2023 12:23	1
HS23071516-04	SP-4	24 Jul 2023 09:50			28 Jul 2023 12:23	1
HS23071516-05	SP-5	24 Jul 2023 10:00			28 Jul 2023 12:23	1
HS23071516-06	SP-6	24 Jul 2023 10:10			28 Jul 2023 12:23	1
HS23071516-07	SP-7	24 Jul 2023 10:20			28 Jul 2023 12:23	1
HS23071516-08	SP-8	24 Jul 2023 10:40			28 Jul 2023 12:23	1
HS23071516-09	SP-9	24 Jul 2023 10:50			28 Jul 2023 12:23	1

WorkOrder: HS23071516
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23071516
InstrumentID: ICPMS05
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00239	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00110	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00120	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00210	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000491	0.000200	0.00500

WorkOrder: HS23071516
InstrumentID: HG04
Test Code: HG_S_Low
Test Number: SW7471B
Test Name: Mercury by SW7471B

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** µg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	1.67	0.333	0.470	3.32

WorkOrder: HS23071516
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Barium	7440-39-3	0.100	0.0990	0.0300	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Chromium	7440-47-3	0.100	0.0952	0.0230	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500
A	Silver	7440-22-4	0.100	0.101	0.0150	0.500

WorkOrder: HS23071516
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198095 (0) **Instrument: HG04** **Method: MERCURY BY SW7471B**

MBLK Sample ID: **MBLK-198095** Units: **ug/Kg** Analysis Date: **31-Jul-2023 16:31**
Client ID: Run ID: **HG04_442819** SeqNo: **7462673** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	1.6	3.32								J

LCS Sample ID: **LCS-198095** Units: **ug/Kg** Analysis Date: **31-Jul-2023 16:38**
Client ID: Run ID: **HG04_442819** SeqNo: **7462674** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	346	3.32	333.3	0	104	80 - 120				

MS Sample ID: **HS23071863-01MS** Units: **ug/Kg** Analysis Date: **31-Jul-2023 17:06**
Client ID: Run ID: **HG04_442819** SeqNo: **7462688** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	337.6	3.37	337.6	7.432	97.8	80 - 120				

MSD Sample ID: **HS23071863-01MSD** Units: **ug/Kg** Analysis Date: **31-Jul-2023 17:08**
Client ID: Run ID: **HG04_442819** SeqNo: **7462689** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	359.3	3.38	338.4	7.432	104	80 - 120	337.6	6.23	20	

The following samples were analyzed in this batch:

HS23071516-01	HS23071516-02	HS23071516-03	HS23071516-04
HS23071516-05	HS23071516-06	HS23071516-07	HS23071516-08
HS23071516-09			

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198197 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198197** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:31**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461644** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.498								
Barium	U	0.498								
Cadmium	U	0.498								
Chromium	U	0.498								
Lead	U	0.498								
Selenium	U	0.498								
Silver	U	0.498								

LCS Sample ID: **LCS-198197** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:33**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461645** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.412	0.499	9.97	0	94.4	80 - 120				
Barium	9.428	0.499	9.97	0	94.6	80 - 120				
Cadmium	9.469	0.499	9.97	0	95.0	80 - 120				
Chromium	9.582	0.499	9.97	0	96.1	80 - 120				
Lead	9.416	0.499	9.97	0	94.4	80 - 120				
Selenium	9.41	0.499	9.97	0	94.4	80 - 120				
Silver	9.447	0.499	9.97	0	94.8	80 - 120				

MS Sample ID: **HS23071516-01MS** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:39**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461693** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	17.76	0.465	9.294	8.989	94.4	75 - 125				
Barium	128.1	0.465	9.294	113	162	75 - 125				SO
Cadmium	9.886	0.465	9.294	0.7485	98.3	75 - 125				
Chromium	40.84	0.465	9.294	32.65	88.1	75 - 125				
Lead	151.6	0.465	9.294	79.76	773	75 - 125				SO
Selenium	9.814	0.465	9.294	1.251	92.1	75 - 125				
Silver	8.358	0.465	9.294	0.09401	88.9	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198197 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23071516-01MSD** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:41**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461694** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.86	0.486	9.73	8.989	80.9	75 - 125	17.76	5.19	20	
Barium	127.5	0.486	9.73	113	149	75 - 125	128.1	0.458	20	SO
Cadmium	9.629	0.486	9.73	0.7485	91.3	75 - 125	9.886	2.63	20	
Chromium	39.56	0.486	9.73	32.65	71.1	75 - 125	40.84	3.17	20	S
Lead	143.8	0.486	9.73	79.76	659	75 - 125	151.6	5.23	20	SO
Selenium	9.579	0.486	9.73	1.251	85.6	75 - 125	9.814	2.43	20	
Silver	8.685	0.486	9.73	0.09401	88.3	75 - 125	8.358	3.84	20	

PDS Sample ID: **HS23071516-01PDS** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:43**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461695** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	18.19	0.464	9.28	8.989	99.1	75 - 125				
Barium	123.1	0.464	9.28	113	109	75 - 125				O
Cadmium	9.808	0.464	9.28	0.7485	97.6	75 - 125				
Chromium	40.69	0.464	9.28	32.65	86.6	75 - 125				
Lead	88.36	0.464	9.28	79.76	92.7	75 - 125				O
Selenium	10.28	0.464	9.28	1.251	97.3	75 - 125				
Silver	8.405	0.464	9.28	0.09401	89.6	75 - 125				

SD Sample ID: **HS23071516-01SD** Units: **mg/Kg** Analysis Date: **31-Jul-2023 13:37**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461692** PrepDate: **31-Jul-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	9.279	2.32					8.989	3.23	10	
Barium	113.8	2.32					113	0.685	10	
Cadmium	0.8026	2.32					0.7485	0	10	J
Chromium	33.02	2.32					32.65	1.15	10	
Lead	73.6	2.32					79.76	7.72	10	
Selenium	1.176	2.32					1.251	0	10	J
Silver	0.08862	2.32					0.09401	0	10	J

The following samples were analyzed in this batch:

HS23071516-01	HS23071516-02	HS23071516-03	HS23071516-04
HS23071516-05	HS23071516-06	HS23071516-07	HS23071516-08
HS23071516-09			

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198221 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198152** Units: **mg/L** Analysis Date: **28-Jul-2023 13:03**
Client ID: Run ID: **HG04_442661** SeqNo: **7459047** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000049	0.000200								J

MBLK Sample ID: **MBLKT3-198153** Units: **mg/L** Analysis Date: **28-Jul-2023 13:05**
Client ID: Run ID: **HG04_442661** SeqNo: **7459048** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00003	0.000200								J

MBLK Sample ID: **MBLKT1-197980** Units: **mg/L** Analysis Date: **28-Jul-2023 13:01**
Client ID: Run ID: **HG04_442661** SeqNo: **7459046** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000046	0.000200								J

MBLK Sample ID: **MBLK-198221** Units: **mg/L** Analysis Date: **28-Jul-2023 12:58**
Client ID: Run ID: **HG04_442661** SeqNo: **7459067** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.000058	0.000200								J

LCS Sample ID: **LCS-198221** Units: **mg/L** Analysis Date: **28-Jul-2023 13:00**
Client ID: Run ID: **HG04_442661** SeqNo: **7459045** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00453	0.000200	0.005	0	90.6	80 - 120				

MS Sample ID: **HS23071516-06MS** Units: **mg/L** Analysis Date: **28-Jul-2023 13:28**
Client ID: **SP-6** Run ID: **HG04_442661** SeqNo: **7459058** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00511	0.000200	0.005	0.000034	102	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198221 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MSD Sample ID: **HS23071516-06MSD** Units: **mg/L** Analysis Date: **28-Jul-2023 13:31**
Client ID: **SP-6** Run ID: **HG04_442661** SeqNo: **7459059** PrepDate: **28-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00535	0.000200	0.005	0.000034	106	75 - 125	0.00511	4.59	20	

The following samples were analyzed in this batch:

HS23071516-01	HS23071516-02	HS23071516-03	HS23071516-04
HS23071516-05	HS23071516-06	HS23071516-07	HS23071516-08
HS23071516-09			

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198281 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-198155** Units: **mg/L** Analysis Date: **31-Jul-2023 12:05**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461482** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-197891** Units: **mg/L** Analysis Date: **31-Jul-2023 12:09**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461484** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT3-198227** Units: **mg/L** Analysis Date: **31-Jul-2023 12:07**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461483** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198281 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT1-198154** Units: **mg/L** Analysis Date: **31-Jul-2023 12:03**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461481** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	0.02011	0.200								J
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-198281** Units: **mg/L** Analysis Date: **31-Jul-2023 11:39**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461380** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.000502	0.00500								J
Barium	0.002684	0.0200								J
Cadmium	U	0.00500								
Chromium	0.002255	0.00500								J
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

LCS Sample ID: **LCS-198281** Units: **mg/L** Analysis Date: **31-Jul-2023 11:41**
Client ID: Run ID: **ICPMS05_442748** SeqNo: **7461381** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04591	0.00500	0.05	0	91.8	80 - 120				
Barium	0.04258	0.0200	0.05	0	85.2	80 - 120				
Cadmium	0.04501	0.00500	0.05	0	90.0	80 - 120				
Chromium	0.04413	0.00500	0.05	0	88.3	80 - 120				
Lead	0.04248	0.00500	0.05	0	85.0	80 - 120				
Selenium	0.04787	0.00500	0.05	0	95.7	80 - 120				
Silver	0.04446	0.00500	0.05	0	88.9	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198281 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MS Sample ID: **HS23071516-01MS** Units: **mg/L** Analysis Date: **31-Jul-2023 12:15**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461487** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4843	0.0500	0.5	0.0011	96.6	80 - 120				
Barium	0.9893	0.200	0.5	0.5137	95.1	80 - 120				
Cadmium	0.4652	0.0500	0.5	0.00031	93.0	80 - 120				
Chromium	0.4628	0.0500	0.5	-0.00182	92.9	80 - 120				
Lead	0.4483	0.0500	0.5	0.00006	89.7	80 - 120				
Selenium	0.4887	0.0500	0.5	0.00177	97.4	80 - 120				
Silver	0.4648	0.0500	0.5	0.00006	92.9	80 - 120				

MSD Sample ID: **HS23071516-01MSD** Units: **mg/L** Analysis Date: **31-Jul-2023 12:17**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461488** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4802	0.0500	0.5	0.0011	95.8	80 - 120	0.4843	0.84	20	
Barium	0.964	0.200	0.5	0.5137	90.1	80 - 120	0.9893	2.59	20	
Cadmium	0.449	0.0500	0.5	0.00031	89.7	80 - 120	0.4652	3.55	20	
Chromium	0.4539	0.0500	0.5	-0.00182	91.1	80 - 120	0.4628	1.95	20	
Lead	0.4388	0.0500	0.5	0.00006	87.7	80 - 120	0.4483	2.15	20	
Selenium	0.4898	0.0500	0.5	0.00177	97.6	80 - 120	0.4887	0.237	20	
Silver	0.4431	0.0500	0.5	0.00006	88.6	80 - 120	0.4648	4.78	20	

PDS Sample ID: **HS23071516-01PDS** Units: **mg/L** Analysis Date: **31-Jul-2023 12:19**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461489** PrepDate: **31-Jul-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.026	0.0500	1	0.0011	102	75 - 125				
Barium	1.452	0.200	1	0.5137	93.8	75 - 125				
Cadmium	0.9631	0.0500	1	0.00031	96.3	75 - 125				
Chromium	0.9754	0.0500	1	-0.00182	97.7	75 - 125				
Lead	0.9309	0.0500	1	0.00006	93.1	75 - 125				
Selenium	1.055	0.0500	1	0.00177	105	75 - 125				
Silver	0.9009	0.0500	1	0.00006	90.1	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: 198281 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23071516-01SD** Units: **mg/L** Analysis Date: **31-Jul-2023 12:13**
Client ID: **SP-1** Run ID: **ICPMS05_442748** SeqNo: **7461486** PrepDate: **31-Jul-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.0011	0	10	
Barium	0.5236	1.00					0.5137	0	10	J
Cadmium	U	0.250					0.00031	0	10	
Chromium	U	0.250					-0.00182	0	10	
Lead	U	0.250					0.00006	0	10	
Selenium	U	0.250					0.00177	0	10	
Silver	U	0.250					0.00006	0	10	

The following samples were analyzed in this batch: HS23071516-01 HS23071516-02 HS23071516-03 HS23071516-04 HS23071516-05 HS23071516-06 HS23071516-07 HS23071516-08 HS23071516-09

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071516

QC BATCH REPORT

Batch ID: R442690 (0) **Instrument: Balance1** **Method: MOISTURE - ASTM D2216**

DUP Sample ID: **HS23071640-06DUP** Units: **wt%** Analysis Date: **28-Jul-2023 12:23**
Client ID: Run ID: **Balance1_442690** SeqNo: **7459817** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	17	0.0100					17.7	4.03	20	

The following samples were analyzed in this batch:

HS23071516-01	HS23071516-02	HS23071516-03	HS23071516-04
HS23071516-05	HS23071516-06	HS23071516-07	HS23071516-08
HS23071516-09			

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23071516**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 31-Jul-23

Sample Receipt Checklist

Work Order ID: HS23071516 **Date/Time Received:** **25-Jul-2023 09:25**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	25-Jul-2023 16:05	**Reviewed by:**	/S/ Tyler Monroe	28-Jul-2023 12:57
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:299077
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.2UC/3.1C	IR31	
Cooler(s)/Kit(s):	50731		
Date/Time sample(s) sent to storage:	67/25/23		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page _____ of _____

COC ID: 299077

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number	6L20409062	B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	~~Rahel Pommerenke~~ William Wedge	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	William.Wedge@WSP.com	Fax		I	
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

HS23071516
WSP Golder
Frisco Pre-Excavation Soil

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-1	7-24-23	0920	SS	8	2	X	X	X								
2	SP-2		0930														
3	SP-3		0940														
4	SP-4		0950														
5	SP-5		1000														
6	SP-6		1010														
7	SP-7		1020														
8	SP-8		1040														
9	SP-9		1050														
10																	

Sampler(s) Please Print & Sign: William Wedge

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____

Results Due Date:

Relinquished by:	Date: 7.24.23	Time: 1240	Received by:	
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 7-25-23 0925	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
5077	3.2°
1831	

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SVM6-6/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

ote: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

50731

CUSTODY SEAL

Date: 7.24.23 Time: 1233
Name: William Wedge
Company: WSP

Seal Broken By: SM
Date: 07/25/23

50731 JUL 25 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

50731

CUSTODY SEAL

Date: 7.24.23 Time: 1233
Name: William Wedge
Company: WSP

Seal Broken By: SM
Date: 07/25/23

Part # 159469-434 MTW EXP 12/23

50731

ORIGIN ID:SGRA (214) 957-5151
WILLIAM WEDGE
WSP GLOBAL
3102 OAKLAWN AVE STE 450

DALLAS, TX 75219
UNITED STATES US

SHIP DATE: 30JUN23
ACTWGT: 1.00 LB
CAD: 0221247/CAFE3709
DIMS: 26x14x14 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656

REF: FRISCO PRE-EXCAVATION=BO 9404/

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3002 1020

TUE - 25 JUL AA
PRIORITY OVERNIGHT

AB SGRA

77099
TX-US
IAH

426417 24Jul2023 ADSA 581G4/6AE4/C0B8

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

August 04, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23071883**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 16 sample(s) on Jul 29, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23071883**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23071883**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 08/04/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23071883
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198262,198330,198379,198384,198385,198443,198455,R443069,R443071,R443072

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 08/04/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23071883				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 198262,198330,198379,198384,198385,198443,198455,R443069,R443071,R443072				
#[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)**					
		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			3
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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 08/04/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23071883
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 198262,198330,198379,198384,198385,198443,198455,R443069,R443071,R443072

ER#[5]	Description
1	Batch 198262, Metals Method SW6020, sample HS23071761-01, MS and MSD were performed on unrelated sample. Batch 198330, Metals Method SW6020, sample HS23080053-01, MS and MSD were performed on unrelated sample. Batch 198379, Metals Method SW6020, sample SP-10, MS and or MSD recovered outside the control limit for Barium, Chromium and Lead due to suspect matrix effect. For Barium and Lead, the result in the parent sample is 4x greater than the spike amount.
2	Batch 198379, Metals Method SW6020, sample SP-10, MS/MSD RPD recovered above the RPD limit for Lead.
3	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 02-Aug-2023 End Date: 02-Aug-2023

Run ID:HG04_443008
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
ICCV 1	1	02-Aug-2023 13:58		HG
ICV	1	02-Aug-2023 13:59		HG
ICB	1	02-Aug-2023 14:01		HG
CRA	1	02-Aug-2023 14:03		HG
CCV 2	1	02-Aug-2023 14:05		HG
CCB 1	1	02-Aug-2023 14:07		HG
CCV 3	1	02-Aug-2023 14:43		HG
CCB 2	1	02-Aug-2023 14:45		HG
CCV 4	1	02-Aug-2023 15:14		HG
CCB 3	1	02-Aug-2023 15:16		HG
CCV 5	1	02-Aug-2023 15:37		HG
CCB 4	1	02-Aug-2023 15:38		HG
CCV 6	1	02-Aug-2023 16:02		HG
CCB 5	1	02-Aug-2023 16:04		HG
CCV 7	1	02-Aug-2023 16:27		HG
CCB 6	1	02-Aug-2023 16:29		HG
CCV 8	1	02-Aug-2023 16:50		HG
CCB 7	1	02-Aug-2023 16:52		HG
CCV 9	1	02-Aug-2023 17:18		HG
CCB 8	1	02-Aug-2023 17:19		HG
CCV 10	1	02-Aug-2023 17:45		HG
CCB 9	1	02-Aug-2023 17:47		HG
CCV 11	1	02-Aug-2023 18:23		HG
CCB 10	1	02-Aug-2023 18:25		HG
MBLK-198455	1	02-Aug-2023 18:34		HG
LCS-198455	1	02-Aug-2023 18:38		HG
MBLKT1-198225	1	02-Aug-2023 18:39		HG
MBLKT2-198351	1	02-Aug-2023 18:41		HG
CCV 12	1	02-Aug-2023 18:47		HG
CCB 11	1	02-Aug-2023 18:48		HG
SP-10	1	02-Aug-2023 18:52		HG
SP-10MS	1	02-Aug-2023 18:57		HG
SP-10MSD	1	02-Aug-2023 19:00		HG
SP-11	1	02-Aug-2023 19:02		HG
SP-12	1	02-Aug-2023 19:04		HG
SP-13	1	02-Aug-2023 19:05		HG
SP-14	1	02-Aug-2023 19:07		HG
SP-15	1	02-Aug-2023 19:09		HG
SP-16	1	02-Aug-2023 19:11		HG
SP-17	1	02-Aug-2023 19:12		HG
CCV 13	1	02-Aug-2023 19:14		HG
CCB 12	1	02-Aug-2023 19:16		HG
SP-18	1	02-Aug-2023 19:18		HG
SP-19	1	02-Aug-2023 19:19		HG
SP-20	1	02-Aug-2023 19:21		HG
SP-21	1	02-Aug-2023 19:23		HG
SP-22	1	02-Aug-2023 19:25		HG
SP-23	1	02-Aug-2023 19:26		HG
SP-24	1	02-Aug-2023 19:28		HG
SP-25	1	02-Aug-2023 19:30		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 02-Aug-2023 End Date: 02-Aug-2023

Run ID:HG04_443008
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
CCV 14	1	02-Aug-2023 19:35		HG
CCB 13	1	02-Aug-2023 19:37		HG
CCV 15	1	02-Aug-2023 20:00		HG
CCB 14	1	02-Aug-2023 20:02		HG
CCV 16	1	02-Aug-2023 20:26		HG
CCB 15	1	02-Aug-2023 20:28		HG
CCV 17	1	02-Aug-2023 21:23		HG
CCB 16	1	02-Aug-2023 21:24		HG
CCV 18	1	02-Aug-2023 21:48		HG
CCB 17	1	02-Aug-2023 21:50		HG
CCV 19	1	02-Aug-2023 22:02		HG
CCB 18	1	02-Aug-2023 22:03		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 03-Aug-2023 End Date: 03-Aug-2023

Run ID:HG04_443128
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
ICCV 1	1	03-Aug-2023 10:11		HG
ICV	1	03-Aug-2023 10:13		HG
ICB	1	03-Aug-2023 10:14		HG
CRA	1	03-Aug-2023 10:16		HG
CCV 2	1	03-Aug-2023 10:26		HG
CCB 1	1	03-Aug-2023 10:28		HG
CCV 3	1	03-Aug-2023 10:55		HG
CCB 2	1	03-Aug-2023 10:57		HG
CCV 4	1	03-Aug-2023 11:17		HG
CCB 3	1	03-Aug-2023 11:19		HG
CCV 5	1	03-Aug-2023 11:39		HG
CCB 4	1	03-Aug-2023 11:40		HG
CCV 6	1	03-Aug-2023 12:00		HG
CCB 5	1	03-Aug-2023 12:02		HG
MBLK-198384	1	03-Aug-2023 12:21		HG
LCS-198384	1	03-Aug-2023 12:23		HG
CCV 7	1	03-Aug-2023 12:26		HG
CCB 6	1	03-Aug-2023 12:27		HG
ZZZZZZMS	1	03-Aug-2023 12:36		HG
ZZZZZZMSD	1	03-Aug-2023 12:40		HG
SP-10	1	03-Aug-2023 12:49		HG
SP-11	1	03-Aug-2023 12:50		HG
CCV 8	1	03-Aug-2023 12:53		HG
CCB 7	1	03-Aug-2023 12:55		HG
SP-12	1	03-Aug-2023 12:56		HG
SP-13	1	03-Aug-2023 12:58		HG
SP-14	1	03-Aug-2023 13:00		HG
SP-15	1	03-Aug-2023 13:01		HG
SP-16	1	03-Aug-2023 13:03		HG
SP-17	1	03-Aug-2023 13:05		HG
SP-18	1	03-Aug-2023 13:06		HG
SP-19	1	03-Aug-2023 13:08		HG
SP-20	1	03-Aug-2023 13:10		HG
SP-21	1	03-Aug-2023 13:12		HG
CCV 9	1	03-Aug-2023 13:14		HG
CCB 8	1	03-Aug-2023 13:15		HG
SP-22	1	03-Aug-2023 13:17		HG
SP-23	1	03-Aug-2023 13:19		HG
MBLK-198385	1	03-Aug-2023 13:21		HG
LCS-198385	1	03-Aug-2023 13:22		HG
CCV 10	1	03-Aug-2023 13:37		HG
CCB 9	1	03-Aug-2023 13:38		HG
CCV 11	1	03-Aug-2023 14:00		HG
CCB 10	1	03-Aug-2023 14:02		HG
SP-24	1	03-Aug-2023 14:05		HG
SP-24MS	1	03-Aug-2023 14:09		HG
SP-24MSD	1	03-Aug-2023 14:16		HG
SP-25	1	03-Aug-2023 14:18		HG
CCV 12	1	03-Aug-2023 14:28		HG
CCB 11	1	03-Aug-2023 14:30		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 03-Aug-2023 End Date: 03-Aug-2023

Run ID:HG04_443128
Instrument:HG04
Method:SW7470A

Sample No.	D/F	Time	FileID	Analytes
CCV 13	1	03-Aug-2023 15:08		HG
CCB 12	1	03-Aug-2023 15:10		HG
CCV 14	1	03-Aug-2023 15:29		HG
CCB 13	1	03-Aug-2023 15:31		HG
CCV 15	1	03-Aug-2023 15:54		HG
CCB 14	1	03-Aug-2023 15:55		HG
CCV 16	1	03-Aug-2023 16:15		HG
CCB 15	1	03-Aug-2023 16:17		HG
CCV 17	1	03-Aug-2023 16:41		HG
CCB 16	1	03-Aug-2023 16:43		HG
CCV 18	1	03-Aug-2023 17:06		HG
CCB 17	1	03-Aug-2023 17:07		HG
CCV 19	1	03-Aug-2023 17:32		HG
CCB 18	1	03-Aug-2023 17:34		HG
CCV 20	1	03-Aug-2023 18:02		HG
CCB 19	1	03-Aug-2023 18:04		HG
CCV 21	1	03-Aug-2023 18:27		HG
CCB 20	1	03-Aug-2023 18:28		HG
CCV 22	1	03-Aug-2023 18:55		HG
CCB 21	1	03-Aug-2023 18:57		HG
CCV 23	1	03-Aug-2023 19:19		HG
CCB 22	1	03-Aug-2023 19:20		HG
CCV 24	1	03-Aug-2023 19:47		HG
CCB 23	1	03-Aug-2023 19:49		HG

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 01-Aug-2023 End Date: 02-Aug-2023

Run ID:ICPMS05_442868
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	01-Aug-2023 11:32	022_ICV.d	AG AS BA CD CR PB SE
LLICV2	1	01-Aug-2023 11:36	024LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	01-Aug-2023 11:38	025LCV5.d	AG AS BA CD CR PB SE
ICB	1	01-Aug-2023 11:43	027_ICB.d	AG AS BA CD CR PB SE
ICSA	1	01-Aug-2023 11:46	028ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	01-Aug-2023 11:48	029ICSB.d	AG AS BA CD CR PB SE
CCV 1	1	01-Aug-2023 11:54	031_CCV.d	AG AS BA CD CR PB SE
CCB 1	1	01-Aug-2023 11:56	032_CCB.d	AG AS BA CD CR PB SE
CCV 2	1	01-Aug-2023 12:19	043_CCV.d	AG AS BA CD CR PB SE
CCB 2	1	01-Aug-2023 12:21	044_CCB.d	AG AS BA CD CR PB SE
CCB 3	1	01-Aug-2023 12:45	056_CCB.d	AG AS BA CD CR PB SE
CCV 3	1	01-Aug-2023 12:47	057_CCV.d	AG AS BA CD CR PB SE
CCV 4	1	01-Aug-2023 13:09	068_CCV.d	AG AS BA CD CR PB SE
CCB 4	1	01-Aug-2023 13:14	070_CCB.d	AG AS BA CD CR PB SE
CCV 5	1	01-Aug-2023 13:37	081_CCV.d	AG AS BA CD CR PB SE
CCB 5	1	01-Aug-2023 13:39	082_CCB.d	AG AS BA CD CR PB SE
CCV 6	1	01-Aug-2023 14:03	093_CCV.d	AG AS BA CD CR PB SE
CCB 6	1	01-Aug-2023 14:05	094_CCB.d	AG AS BA CD CR PB SE
LCS-198262	1	01-Aug-2023 14:09	096SMPL.d	AG AS BA CD CR PB SE
ZZZZZZSD	5	01-Aug-2023 14:13	098SMPL.d	AG BA CD CR PB SE
ZZZZZZMS	1	01-Aug-2023 14:15	099SMPL.d	AG AS BA CD CR PB SE
ZZZZZZPDS	1	01-Aug-2023 14:19	101SMPL.d	AG AS BA CD CR PB SE
CCV 7	1	01-Aug-2023 14:27	105_CCV.d	AG AS BA CD CR PB SE
CCB 7	1	01-Aug-2023 14:29	106_CCB.d	AG AS BA CD CR PB SE
CCV 8	1	01-Aug-2023 14:53	117_CCV.d	AG AS BA CD CR PB SE
CCB 8	1	01-Aug-2023 14:55	118_CCB.d	AG AS BA CD CR PB SE
CCV 9	1	01-Aug-2023 15:17	129_CCV.d	AG AS BA CD CR PB SE
CCB 9	1	01-Aug-2023 15:19	130_CCB.d	AG AS BA CD CR PB SE
CCV 10	1	01-Aug-2023 15:42	141_CCV.d	AG AS BA CD CR PB SE
CCB 10	1	01-Aug-2023 15:44	142_CCB.d	AG AS BA CD CR PB SE
CCV 11	1	01-Aug-2023 16:06	153_CCV.d	AG AS BA CD CR PB SE
CCB 11	1	01-Aug-2023 16:08	154_CCB.d	AG AS BA CD CR PB SE
SP-24	1	01-Aug-2023 16:29	163SMPL.d	AG AS BA CD CR PB SE
SP-25	1	01-Aug-2023 16:31	164SMPL.d	AG AS BA CD CR SE
CCV 12	1	01-Aug-2023 16:33	165_CCV.d	AG AS BA CD CR PB SE
CCB 12	1	01-Aug-2023 16:35	166_CCB.d	AG AS BA CD CR PB SE
SP-25	50	01-Aug-2023 16:50	173SMPL.d	PB
CCV 13	1	01-Aug-2023 17:03	177_CCV.d	AG AS BA CD CR PB SE
CCB 13	1	01-Aug-2023 17:05	178_CCB.d	AG AS BA CD CR PB SE
ZZZZZZMSD	1	01-Aug-2023 17:22	186SMPL.d	AG AS BA CD CR PB SE
CCV 14	1	01-Aug-2023 17:28	189_CCV.d	AG AS BA CD CR PB SE
CCB 14	1	01-Aug-2023 17:30	190_CCB.d	AG AS BA CD CR PB SE
ICCV 15	1	01-Aug-2023 20:39	206_ICV.d	AG AS BA CD CR PB SE
LLICCV5	1	01-Aug-2023 20:41	207LCV5.d	AG AS BA CD CR PB SE
LLICCV2	1	01-Aug-2023 20:43	208LCV2.d	AG AS BA CD CR PB SE
ICCB 15	1	01-Aug-2023 20:45	209_ICB.d	AG AS BA CD CR PB SE
CCV 16	1	01-Aug-2023 20:49	211_CCV.d	AG AS BA CD CR PB SE
CCB 16	1	01-Aug-2023 20:51	212_CCB.d	AG AS BA CD CR PB SE
CCV 17	1	01-Aug-2023 21:09	221_CCV.d	AG AS BA CD CR PB SE
CCB 17	1	01-Aug-2023 21:11	222_CCB.d	AG AS BA CD CR PB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883
Start Date: 01-Aug-2023 End Date: 02-Aug-2023

Run ID:ICPMS05_442868
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCV 18	1	01-Aug-2023 21:33	233_CCV.d	AG AS BA CD CR PB SE
CCB 18	1	01-Aug-2023 21:35	234_CCB.d	AG AS BA CD CR PB SE
CCV 19	1	01-Aug-2023 21:55	244_CCV.d	AG AS BA CD CR PB SE
CCB 19	1	01-Aug-2023 21:57	245_CCB.d	AG AS BA CD CR PB SE
ICCV 20	1	01-Aug-2023 22:37	264_ICV.d	AG AS BA CD CR PB SE
LLICCV2	1	01-Aug-2023 22:39	265LCV2.d	AG AS BA CD CR PB SE
LLICCV5	1	01-Aug-2023 22:41	266LCV5.d	AG AS BA CD CR PB SE
ICCB 20	1	01-Aug-2023 22:43	267_ICB.d	AG AS BA CD CR PB SE
CCV 21	1	01-Aug-2023 22:47	269_CCV.d	AG AS BA CD CR PB SE
CCB 21	1	01-Aug-2023 22:49	270_CCB.d	AG AS BA CD CR PB SE
LLICCV2	1	01-Aug-2023 22:52	271LCV2.d	AG AS BA CD CR PB SE
CCV 22	1	01-Aug-2023 23:02	276_CCV.d	AG AS BA CD CR PB SE
CCB 22	1	01-Aug-2023 23:04	277_CCB.d	AG AS BA CD CR PB SE
CCV 23	1	01-Aug-2023 23:20	285_CCV.d	AG AS BA CD CR PB SE
CCB 23	1	01-Aug-2023 23:22	286_CCB.d	AG AS BA CD CR PB SE
CCV 24	1	01-Aug-2023 23:46	297_CCV.d	AG AS BA CD CR PB SE
CCB 24	1	01-Aug-2023 23:49	298_CCB.d	AG AS BA CD CR PB SE
LLICCV5	1	02-Aug-2023 00:12	309LCV5.d	AG AS BA CD CR PB SE
LLICCV2	1	02-Aug-2023 00:14	310LCV2.d	AG AS BA CD CR PB SE
ICCV 25	1	02-Aug-2023 00:17	311_ICV.d	AG AS BA CD CR PB SE
ICCB 25	1	02-Aug-2023 00:20	312_ICB.d	AG AS BA CD CR PB SE
CCV 26	1	02-Aug-2023 00:24	314_CCV.d	AG AS BA CD CR PB SE
CCB 26	1	02-Aug-2023 00:26	315_CCB.d	AG AS BA CD CR PB SE
CCV 27	1	02-Aug-2023 00:39	321_CCV.d	AG AS BA CD CR PB SE
CCB 27	1	02-Aug-2023 00:41	322_CCB.d	AG AS BA CD CR PB SE
CCV 28	1	02-Aug-2023 00:59	330_CCV.d	AG AS BA CD CR PB SE
CCB 28	1	02-Aug-2023 01:01	331_CCB.d	AG AS BA CD CR PB SE
LLICV2	1	02-Aug-2023 01:05	333LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	02-Aug-2023 01:07	334LCV5.d	AG AS BA CD CR PB SE
ICSA	1	02-Aug-2023 01:10	335ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	02-Aug-2023 01:12	336ICSB.d	AG AS BA CD CR PB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Run ID:HG04_443008
Instrument:HG04
Method:SW7470A

ICB	Date: 02-Aug-2023 14:01	Seq: 7467518		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.045	0.03	0.2
CCB 1	Date: 02-Aug-2023 14:07	Seq: 7467521		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.044	0.03	0.2
CCB 2	Date: 02-Aug-2023 14:45	Seq: 7467533		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.046	0.03	0.2
CCB 3	Date: 02-Aug-2023 15:16	Seq: 7467545		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.04	0.03	0.2
CCB 4	Date: 02-Aug-2023 15:38	Seq: 7467557		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.036	0.03	0.2
CCB 5	Date: 02-Aug-2023 16:04	Seq: 7467569		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.038	0.03	0.2
CCB 6	Date: 02-Aug-2023 16:29	Seq: 7467577		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.033	0.03	0.2
CCB 7	Date: 02-Aug-2023 16:52	Seq: 7467772		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.032	0.03	0.2
CCB 8	Date: 02-Aug-2023 17:19	Seq: 7467780		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.034	0.03	0.2
CCB 9	Date: 02-Aug-2023 17:47	Seq: 7468107		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.044	0.03	0.2
CCB 10	Date: 02-Aug-2023 18:25	Seq: 7468119		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.03	0.03	0.2
CCB 11	Date: 02-Aug-2023 18:48	Seq: 7468131		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.039	0.03	0.2
CCB 12	Date: 02-Aug-2023 19:16	Seq: 7468143		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**
	Mercury		-0.031	0.03	0.2
CCB 14	Date: 02-Aug-2023 20:02	Seq: 7468167		D/F: 1	Units: ug/L
	Analyte		**Result**	**MDL**	**Report Limit**

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Run ID:HG04_443008
Instrument:HG04
Method:SW7470A

	Mercury	-0.03	0.03	0.2	

CCB 17	Date: 02-Aug-2023 21:50	Seq: 7468205	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Mercury	-0.032	0.03	0.2

CCB 18	Date: 02-Aug-2023 22:03	Seq: 7468187	D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**
	Mercury	-0.033	0.03	0.2

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Run ID:HG04_443128
Instrument:HG04
Method:SW7470A

CCB 7 Date: 03-Aug-2023 12:55 Seq: 7470559 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Mercury	0.035	0.03	0.2

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Run ID:ICPMS05_442868
Instrument:ICPMS05
Method:SW6020A

CCB 7	Date: 01-Aug-2023 14:29	Seq: 7464870		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.41	0.4	2	
	Chromium	-0.456	0.4	4	
CCB 8	Date: 01-Aug-2023 14:55	Seq: 7464882		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.513	0.4	4	
	Selenium	1.144	1.1	2	
CCB 10	Date: 01-Aug-2023 15:44	Seq: 7464958		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Selenium	1.134	1.1	2	
CCB 11	Date: 01-Aug-2023 16:08	Seq: 7465015		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.429	0.4	4	
CCB 12	Date: 01-Aug-2023 16:35	Seq: 7465029		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.537	0.4	4	
	Lead	0.68	0.6	2	
CCB 13	Date: 01-Aug-2023 17:05	Seq: 7465090		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Chromium	-0.586	0.4	4	
CCB 14	Date: 01-Aug-2023 17:30	Seq: 7465114		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.477	0.4	2	
	Chromium	-0.767	0.4	4	
CCB 17	Date: 01-Aug-2023 21:11	Seq: 7465472		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.709	0.4	2	
CCB 18	Date: 01-Aug-2023 21:35	Seq: 7465484		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.532	0.4	2	
CCB 19	Date: 01-Aug-2023 21:57	Seq: 7465495		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.463	0.4	2	
CCB 24	Date: 01-Aug-2023 23:49	Seq: 7465618		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	0.64	0.4	2	
ICCB 25	Date: 02-Aug-2023 00:20	Seq: 7465632		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	
	Arsenic	-0.467	0.4	2	
CCB 26	Date: 02-Aug-2023 00:26	Seq: 7465635		D/F: 1	Units: ug/L
	Analyte	**Result**	**MDL**	**Report Limit**	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Run ID:ICPMS05_443091
Instrument:ICPMS05
Method:SW6020A

Arsenic	0.494	0.4	2	

CCB 29 Date: 03-Aug-2023 23:54 Seq: 7471452 D/F: 1 Units: ug/L

Analyte	Result	MDL	Report Limit
Arsenic	0.546	0.4	2

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23071883

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23071883-01	SP-10	Soil		28-Jul-2023 07:05	29-Jul-2023 09:00	☐
HS23071883-02	SP-11	Soil		28-Jul-2023 07:10	29-Jul-2023 09:00	☐
HS23071883-03	SP-12	Soil		28-Jul-2023 07:14	29-Jul-2023 09:00	☐
HS23071883-04	SP-13	Soil		28-Jul-2023 07:17	29-Jul-2023 09:00	☐
HS23071883-05	SP-14	Soil		28-Jul-2023 07:23	29-Jul-2023 09:00	☐
HS23071883-06	SP-15	Soil		28-Jul-2023 07:30	29-Jul-2023 09:00	☐
HS23071883-07	SP-16	Soil		28-Jul-2023 07:35	29-Jul-2023 09:00	☐
HS23071883-08	SP-17	Soil		28-Jul-2023 07:40	29-Jul-2023 09:00	☐
HS23071883-09	SP-18	Soil		28-Jul-2023 07:45	29-Jul-2023 09:00	☐
HS23071883-10	SP-19	Soil		28-Jul-2023 08:08	29-Jul-2023 09:00	☐
HS23071883-11	SP-20	Soil		28-Jul-2023 08:12	29-Jul-2023 09:00	☐
HS23071883-12	SP-21	Soil		28-Jul-2023 08:16	29-Jul-2023 09:00	☐
HS23071883-13	SP-22	Soil		28-Jul-2023 08:20	29-Jul-2023 09:00	☐
HS23071883-14	SP-23	Soil		28-Jul-2023 08:40	29-Jul-2023 09:00	☐
HS23071883-15	SP-24	Soil		28-Jul-2023 08:25	29-Jul-2023 09:00	☐
HS23071883-16	SP-25	Soil		28-Jul-2023 08:33	29-Jul-2023 09:00	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-10
Collection Date: 28-Jul-2023 07:05

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:53
Barium	**0.283**		**0.0190**	**0.200**	**mg/L**	1	02-Aug-2023 23:53
Cadmium	**0.00636**	J	**0.00200**	**0.0500**	**mg/L**	1	02-Aug-2023 23:53
Chromium	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:53
Lead	**0.0403**	J	**0.00600**	**0.0500**	**mg/L**	1	02-Aug-2023 23:53
Selenium	U		0.0110	0.0500	mg/L	1	02-Aug-2023 23:53
Silver	U		0.00200	0.0500	mg/L	1	02-Aug-2023 23:53
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 03-Aug-2023		Analyst: MSC
Arsenic	**7.85**		**0.0803**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
Barium	**95.0**		**0.0344**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
Cadmium	**2.42**		**0.0310**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
Chromium	**25.5**		**0.0264**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
Lead	**288**		**0.298**	**11.5**	**mg/Kg-dry**	20	03-Aug-2023 14:48
Selenium	**1.16**		**0.104**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
Silver	**0.0834**	J	**0.0172**	**0.573**	**mg/Kg-dry**	1	03-Aug-2023 13:40
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 18:52
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**26.8**		**0.575**	**4.07**	**ug/Kg-dry**	1	03-Aug-2023 12:49
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**16.9**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 08:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-11
Collection Date: 28-Jul-2023 07:10

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:57
Barium	**0.505**		**0.0190**	**0.200**	**mg/L**	1	02-Aug-2023 23:57
Cadmium	**0.00443**	J	**0.00200**	**0.0500**	**mg/L**	1	02-Aug-2023 23:57
Chromium	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:57
Lead	U		0.00600	0.0500	mg/L	1	02-Aug-2023 23:57
Selenium	U		0.0110	0.0500	mg/L	1	02-Aug-2023 23:57
Silver	U		0.00200	0.0500	mg/L	1	02-Aug-2023 23:57
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**14.5**		**0.0836**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
Barium	**124**		**0.0358**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
Cadmium	**3.95**		**0.0323**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
Chromium	**36.6**		**0.0275**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
Lead	**982**		**1.55**	**59.7**	**mg/Kg-dry**	100	03-Aug-2023 15:04
Selenium	**1.82**		**0.109**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
Silver	**0.112**	J	**0.0179**	**0.597**	**mg/Kg-dry**	1	03-Aug-2023 14:04
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:02
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**29.9**		**0.607**	**4.29**	**ug/Kg-dry**	1	03-Aug-2023 12:50
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**21.6**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 08:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-12
Collection Date: 28-Jul-2023 07:14

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:59
Barium	**0.244**		**0.0190**	**0.200**	**mg/L**	1	02-Aug-2023 23:59
Cadmium	**0.00212**	J	**0.00200**	**0.0500**	**mg/L**	1	02-Aug-2023 23:59
Chromium	U		0.00400	0.0500	mg/L	1	02-Aug-2023 23:59
Lead	U		0.00600	0.0500	mg/L	1	02-Aug-2023 23:59
Selenium	U		0.0110	0.0500	mg/L	1	02-Aug-2023 23:59
Silver	U		0.00200	0.0500	mg/L	1	02-Aug-2023 23:59
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**12.1**		**0.0827**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
Barium	**102**		**0.0354**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
Cadmium	**1.35**		**0.0319**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
Chromium	**31.6**		**0.0272**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
Lead	**256**		**0.307**	**11.8**	**mg/Kg-dry**	20	03-Aug-2023 15:06
Selenium	**1.64**		**0.107**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
Silver	**0.0812**	J	**0.0177**	**0.590**	**mg/Kg-dry**	1	03-Aug-2023 14:06
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:04
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**34.1**		**0.575**	**4.07**	**ug/Kg-dry**	1	03-Aug-2023 12:56
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**17.2**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 08:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-13
Collection Date: 28-Jul-2023 07:17

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:01
Barium	**0.153**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:01
Cadmium	**0.00349**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:01
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:01
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:01
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:01
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:01
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**11.1**		**0.0816**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
Barium	**73.3**		**0.0350**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
Cadmium	**2.29**		**0.0315**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
Chromium	**25.4**		**0.0268**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
Lead	**560**		**0.757**	**29.1**	**mg/Kg-dry**	50	03-Aug-2023 15:18
Selenium	**1.51**		**0.106**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
Silver	**0.0786**	J	**0.0175**	**0.583**	**mg/Kg-dry**	1	03-Aug-2023 14:08
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:05
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**71.6**		**0.608**	**4.30**	**ug/Kg-dry**	1	03-Aug-2023 12:58
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**19.6**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 08:41

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-14
Collection Date: 28-Jul-2023 07:23

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:03
Barium	**0.234**		**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:03
Cadmium	**0.00279**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:03
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:03
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:03
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:03
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:03
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**10.3**		**0.0800**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
Barium	**77.2**		**0.0343**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
Cadmium	**1.70**		**0.0309**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
Chromium	**23.2**		**0.0263**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
Lead	**289**		**0.297**	**11.4**	**mg/Kg-dry**	20	03-Aug-2023 15:20
Selenium	**1.99**		**0.104**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
Silver	**0.0699**	J	**0.0172**	**0.572**	**mg/Kg-dry**	1	03-Aug-2023 14:10
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:07
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**83.5**		**0.583**	**4.12**	**ug/Kg-dry**	1	03-Aug-2023 13:00
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**15.8**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-15
Collection Date: 28-Jul-2023 07:30

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:05
Barium	**0.214**		**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:05
Cadmium	**0.00219**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:05
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:05
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:05
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:05
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:05
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**11.2**		**0.0803**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
Barium	**117**		**0.0344**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
Cadmium	**1.26**		**0.0310**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
Chromium	**28.6**		**0.0264**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
Lead	**324**		**0.298**	**11.5**	**mg/Kg-dry**	20	03-Aug-2023 15:22
Selenium	**1.64**		**0.104**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
Silver	**0.0766**	J	**0.0172**	**0.574**	**mg/Kg-dry**	1	03-Aug-2023 14:12
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:09
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**28.1**		**0.579**	**4.09**	**ug/Kg-dry**	1	03-Aug-2023 13:01
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**15.2**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-16
Collection Date: 28-Jul-2023 07:35

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:07
Barium	**0.183**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:07
Cadmium	**0.00256**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:07
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:07
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:07
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:07
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:07
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**10.6**		**0.0849**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
Barium	**78.9**		**0.0364**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
Cadmium	**1.54**		**0.0327**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
Chromium	**28.9**		**0.0279**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
Lead	**581**		**0.788**	**30.3**	**mg/Kg-dry**	50	03-Aug-2023 15:24
Selenium	**1.73**		**0.110**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
Silver	**0.0715**	J	**0.0182**	**0.606**	**mg/Kg-dry**	1	03-Aug-2023 14:22
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:11
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**83.1**		**0.615**	**4.35**	**ug/Kg-dry**	1	03-Aug-2023 13:03
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**20.2**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-17
Collection Date: 28-Jul-2023 07:40

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:09
Barium	**0.258**		**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:09
Cadmium	**0.00285**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:09
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:09
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:09
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:09
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:09
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**15.9**		**0.0864**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
Barium	**73.2**		**0.0370**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
Cadmium	**2.04**		**0.0333**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
Chromium	**33.5**		**0.0284**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
Lead	**905**		**0.802**	**30.9**	**mg/Kg-dry**	50	03-Aug-2023 15:26
Selenium	**1.93**		**0.112**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
Silver	**0.0769**	J	**0.0185**	**0.617**	**mg/Kg-dry**	1	03-Aug-2023 14:24
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:12
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**57.7**		**0.629**	**4.45**	**ug/Kg-dry**	1	03-Aug-2023 13:05
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**21.5**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-18
Collection Date: 28-Jul-2023 07:45

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:11
Barium	**0.173**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:11
Cadmium	**0.00302**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:11
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:11
Lead	**0.0300**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:11
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:11
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:11
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**9.51**		**0.0820**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Barium	**73.4**		**0.0351**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Cadmium	**1.23**		**0.0316**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Chromium	**28.5**		**0.0269**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Lead	**202**		**0.0152**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Selenium	**1.72**		**0.107**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
Silver	**0.0663**	J	**0.0176**	**0.585**	**mg/Kg-dry**	1	03-Aug-2023 14:26
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:18
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**114**		**0.582**	**4.12**	**ug/Kg-dry**	1	03-Aug-2023 13:06
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**18.2**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-19
Collection Date: 28-Jul-2023 08:08

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:17
Barium	**0.159**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:17
Cadmium	**0.00249**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:17
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:17
Lead	U		0.00600	0.0500	mg/L	1	03-Aug-2023 00:17
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:17
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:17
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 03-Aug-2023			Analyst: MSC
Arsenic	**8.84**		**0.0813**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
Barium	**59.6**		**0.0349**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
Cadmium	**1.61**		**0.0314**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
Chromium	**24.6**		**0.0267**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
Lead	**481**		**0.302**	**11.6**	**mg/Kg-dry**	20	03-Aug-2023 15:28
Selenium	**1.52**		**0.106**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
Silver	**0.0603**	J	**0.0174**	**0.581**	**mg/Kg-dry**	1	03-Aug-2023 14:28
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:19
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**11.7**		**0.587**	**4.15**	**ug/Kg-dry**	1	03-Aug-2023 13:08
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**18.1**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-20
Collection Date: 28-Jul-2023 08:12

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:20
Barium	**0.263**		**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:20
Cadmium	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:20
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:20
Lead	**0.0121**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:20
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:20
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:20
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 01-Aug-2023			Analyst: MSC
Arsenic	**15.1**		**0.0903**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
Barium	**74.9**		**0.0387**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
Cadmium	**2.92**		**0.0348**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
Chromium	**32.4**		**0.0297**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
Lead	**803**		**0.839**	**32.3**	**mg/Kg-dry**	50	02-Aug-2023 17:18
Selenium	**2.15**		**0.117**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
Silver	**0.0908**	J	**0.0194**	**0.645**	**mg/Kg-dry**	1	02-Aug-2023 16:28
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:21
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**67.9**		**0.655**	**4.64**	**ug/Kg-dry**	1	03-Aug-2023 13:10
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**25.6**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-21
Collection Date: 28-Jul-2023 08:16

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:22
Barium	**0.142**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:22
Cadmium	**0.00428**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:22
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:22
Lead	**0.0296**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:22
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:22
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:22
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 01-Aug-2023			Analyst: MSC
Arsenic	**8.93**		**0.0813**	**0.581**	**mg/Kg-dry**	1	02-Aug-2023 17:03
Barium	**52.6**		**0.0349**	**0.581**	**mg/Kg-dry**	1	02-Aug-2023 17:03
Cadmium	**1.10**		**0.0314**	**0.581**	**mg/Kg-dry**	1	02-Aug-2023 17:03
Chromium	**27.5**		**0.0267**	**0.581**	**mg/Kg-dry**	1	02-Aug-2023 17:03
Lead	**278**		**0.302**	**11.6**	**mg/Kg-dry**	20	02-Aug-2023 17:20
Selenium	**1.65**		**0.106**	**0.581**	**mg/Kg-dry**	1	02-Aug-2023 17:03
Silver	U		0.0174	0.581	mg/Kg-dry	1	02-Aug-2023 18:12
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:23
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**16.6**		**0.597**	**4.22**	**ug/Kg-dry**	1	03-Aug-2023 13:12
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**19.9**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-22
Collection Date: 28-Jul-2023 08:20

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**		Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:24
Barium	**0.0821**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:24
Cadmium	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:24
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:24
Lead	**0.0249**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:24
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:24
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:24
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 01-Aug-2023		Analyst: MSC
Arsenic	**10.1**		**0.0874**	**0.624**	**mg/Kg-dry**	1	02-Aug-2023 17:05
Barium	**74.3**		**0.0375**	**0.624**	**mg/Kg-dry**	1	02-Aug-2023 17:05
Cadmium	**4.10**		**0.0337**	**0.624**	**mg/Kg-dry**	1	02-Aug-2023 17:05
Chromium	**28.8**		**0.0287**	**0.624**	**mg/Kg-dry**	1	02-Aug-2023 17:05
Lead	**1,030**		**1.62**	**62.4**	**mg/Kg-dry**	100	02-Aug-2023 17:22
Selenium	**1.91**		**0.114**	**0.624**	**mg/Kg-dry**	1	02-Aug-2023 17:05
Silver	U		0.0187	0.624	mg/Kg-dry	1	02-Aug-2023 18:14
TCLP MERCURY BY SW7470A		**Method:SW7470A**		Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:25
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**79.0**		**0.643**	**4.55**	**ug/Kg-dry**	1	03-Aug-2023 13:17
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**23.6**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-23
Collection Date: 28-Jul-2023 08:40

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:26
Barium	**0.170**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:26
Cadmium	**0.00402**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:26
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:26
Lead	**0.0387**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:26
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:26
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:26
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 01-Aug-2023			Analyst: MSC
Arsenic	**10.0**		**0.0778**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Barium	**64.1**		**0.0333**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Cadmium	**0.355**	J	**0.0300**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Chromium	**26.5**		**0.0256**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Lead	**124**		**0.0144**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Selenium	**1.39**		**0.101**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 17:07
Silver	**0.0553**	J	**0.0167**	**0.556**	**mg/Kg-dry**	1	02-Aug-2023 18:16
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:26
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**41.3**		**0.587**	**4.15**	**ug/Kg-dry**	1	03-Aug-2023 13:19
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**17.4**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-24
Collection Date: 28-Jul-2023 08:25

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-15
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023		Prep:SW3010A / 02-Aug-2023		Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:28
Barium	**0.0980**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:28
Cadmium	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:28
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:28
Lead	**0.0224**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:28
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:28
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:28
METALS BY SW6020A		**Method:SW6020A**			Prep:SW3050B / 01-Aug-2023		Analyst: MSC
Arsenic	**8.99**		**0.0838**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Barium	**61.8**		**0.0359**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Cadmium	**0.584**	J	**0.0323**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Chromium	**28.7**		**0.0275**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Lead	**110**		**0.0156**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Selenium	**1.21**		**0.109**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
Silver	**0.0595**	J	**0.0180**	**0.599**	**mg/Kg-dry**	1	01-Aug-2023 16:29
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023		Prep:SW7470A / 02-Aug-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:28
MERCURY BY SW7471B		**Method:SW7471B**			Prep:SW7471B / 03-Aug-2023		Analyst: JS
Mercury	**13.6**		**0.581**	**4.11**	**ug/Kg-dry**	1	03-Aug-2023 14:05
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**18.2**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 12:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-25
Collection Date: 28-Jul-2023 08:33

ANALYTICAL REPORT
WorkOrder:HS23071883
Lab ID:HS23071883-16
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 01-Aug-2023	Prep:SW3010A / 02-Aug-2023			Analyst: JC
Arsenic	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:30
Barium	**0.116**	J	**0.0190**	**0.200**	**mg/L**	1	03-Aug-2023 00:30
Cadmium	**0.00553**	J	**0.00200**	**0.0500**	**mg/L**	1	03-Aug-2023 00:30
Chromium	U		0.00400	0.0500	mg/L	1	03-Aug-2023 00:30
Lead	**0.0127**	J	**0.00600**	**0.0500**	**mg/L**	1	03-Aug-2023 00:30
Selenium	U		0.0110	0.0500	mg/L	1	03-Aug-2023 00:30
Silver	U		0.00200	0.0500	mg/L	1	03-Aug-2023 00:30
METALS BY SW6020A		**Method:SW6020A**		Prep:SW3050B / 01-Aug-2023			Analyst: MSC
Arsenic	**10.4**		**0.0852**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
Barium	**76.6**		**0.0365**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
Cadmium	**1.72**		**0.0329**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
Chromium	**24.2**		**0.0280**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
Lead	**523**		**0.791**	**30.4**	**mg/Kg-dry**	50	01-Aug-2023 16:50
Selenium	**1.38**		**0.111**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
Silver	**0.0605**	J	**0.0183**	**0.608**	**mg/Kg-dry**	1	01-Aug-2023 16:31
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 01-Aug-2023	Prep:SW7470A / 02-Aug-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	02-Aug-2023 19:30
MERCURY BY SW7471B		**Method:SW7471B**		Prep:SW7471B / 03-Aug-2023			Analyst: JS
Mercury	**23.9**		**0.613**	**4.34**	**ug/Kg-dry**	1	03-Aug-2023 14:18
MOISTURE - ASTM D2216		**Method:ASTM D2216**					Analyst: MR
Percent Moisture	**20.3**		**0.0100**	**0.0100**	**wt%**	1	02-Aug-2023 13:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Batch ID: 198262 **Start Date:** 01 Aug 2023 07:30 **End Date:** 01 Aug 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-15		0.5105 (g)	50 (mL)	97.94	4-oz glass, Neat
HS23071883-16		0.5155 (g)	50 (mL)	96.99	4-oz glass, Neat

Batch ID: 198330 **Start Date:** 01 Aug 2023 07:30 **End Date:** 01 Aug 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-11		0.5208 (g)	50 (mL)	96.01	4-oz glass, Neat
HS23071883-12		0.5372 (g)	50 (mL)	93.08	4-oz glass, Neat
HS23071883-13		0.524 (g)	50 (mL)	95.42	4-oz glass, Neat
HS23071883-14		0.5447 (g)	50 (mL)	91.79	4-oz glass, Neat

Batch ID: 198350 **Start Date:** 31 Jul 2023 15:00 **End Date:** 31 Jul 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-13		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-16		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Batch ID: 198351 **Start Date:** 31 Jul 2023 15:00 **End Date:** 31 Jul 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-13		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-14		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-15		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23071883-16		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 198379 **Start Date:** 03 Aug 2023 07:30 **End Date:** 03 Aug 2023 07:30
Method: METALS PREP - SOLIDS - SW3050B **Prep Code:** 3050_I_LOW

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		0.5247 (g)	50 (mL)	95.29	4-oz glass, Neat
HS23071883-02		0.5339 (g)	50 (mL)	93.65	4-oz glass, Neat
HS23071883-03		0.5114 (g)	50 (mL)	97.77	4-oz glass, Neat
HS23071883-04		0.5338 (g)	50 (mL)	93.67	4-oz glass, Neat
HS23071883-05		0.5193 (g)	50 (mL)	96.28	4-oz glass, Neat
HS23071883-06		0.514 (g)	50 (mL)	97.28	4-oz glass, Neat
HS23071883-07		0.5168 (g)	50 (mL)	96.75	4-oz glass, Neat
HS23071883-08		0.516 (g)	50 (mL)	96.9	4-oz glass, Neat
HS23071883-09		0.522 (g)	50 (mL)	95.79	4-oz glass, Neat
HS23071883-10		0.5255 (g)	50 (mL)	95.15	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Batch ID: 198384 **Start Date:** 03 Aug 2023 07:00 **End Date:** 03 Aug 2023 07:00
Method: MERCURY PREP - SOLID - 7471B **Prep Code:** HG_S_LOWPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		0.59 (grams)	40 (mL)	67.8	4-oz glass, Neat
HS23071883-02		0.5927 (grams)	40 (mL)	67.49	4-oz glass, Neat
HS23071883-03		0.5921 (grams)	40 (mL)	67.56	4-oz glass, Neat
HS23071883-04		0.5768 (grams)	40 (mL)	69.35	4-oz glass, Neat
HS23071883-05		0.5747 (grams)	40 (mL)	69.6	4-oz glass, Neat
HS23071883-06		0.5748 (grams)	40 (mL)	69.59	4-oz glass, Neat
HS23071883-07		0.5748 (grams)	40 (mL)	69.59	4-oz glass, Neat
HS23071883-08		0.571 (grams)	40 (mL)	70.05	4-oz glass, Neat
HS23071883-09		0.5921 (grams)	40 (mL)	67.56	4-oz glass, Neat
HS23071883-10		0.5869 (grams)	40 (mL)	68.15	4-oz glass, Neat
HS23071883-11		0.5783 (grams)	40 (mL)	69.17	4-oz glass, Neat
HS23071883-12		0.5902 (grams)	40 (mL)	67.77	4-oz glass, Neat
HS23071883-13		0.5736 (grams)	40 (mL)	69.74	4-oz glass, Neat
HS23071883-14		0.5815 (grams)	40 (mL)	68.79	4-oz glass, Neat

Batch ID: 198385 **Start Date:** 03 Aug 2023 07:30 **End Date:** 03 Aug 2023 07:30
Method: MERCURY PREP - SOLID - 7471B **Prep Code:** HG_S_LOWPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-15		0.5932 (grams)	40 (mL)	67.43	4-oz glass, Neat
HS23071883-16		0.5768 (grams)	40 (mL)	69.35	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

Batch ID: 198443 **Start Date:** 02 Aug 2023 13:30 **End Date:** 02 Aug 2023 13:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-12		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-13		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-14		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-15		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23071883-16		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 198455 **Start Date:** 02 Aug 2023 10:00 **End Date:** 02 Aug 2023 10:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23071883-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-12		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-13		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-14		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-15		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23071883-16		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198262 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23071883-15	SP-24	28 Jul 2023 08:25		01 Aug 2023 07:30	01 Aug 2023 16:29	1
HS23071883-16	SP-25	28 Jul 2023 08:33		01 Aug 2023 07:30	01 Aug 2023 16:50	50
HS23071883-16	SP-25	28 Jul 2023 08:33		01 Aug 2023 07:30	01 Aug 2023 16:31	1
Batch ID: 198330 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23071883-11	SP-20	28 Jul 2023 08:12		01 Aug 2023 07:30	02 Aug 2023 17:18	50
HS23071883-11	SP-20	28 Jul 2023 08:12		01 Aug 2023 07:30	02 Aug 2023 16:28	1
HS23071883-12	SP-21	28 Jul 2023 08:16		01 Aug 2023 07:30	02 Aug 2023 18:12	1
HS23071883-12	SP-21	28 Jul 2023 08:16		01 Aug 2023 07:30	02 Aug 2023 17:20	20
HS23071883-12	SP-21	28 Jul 2023 08:16		01 Aug 2023 07:30	02 Aug 2023 17:03	1
HS23071883-13	SP-22	28 Jul 2023 08:20		01 Aug 2023 07:30	02 Aug 2023 18:14	1
HS23071883-13	SP-22	28 Jul 2023 08:20		01 Aug 2023 07:30	02 Aug 2023 17:22	100
HS23071883-13	SP-22	28 Jul 2023 08:20		01 Aug 2023 07:30	02 Aug 2023 17:05	1
HS23071883-14	SP-23	28 Jul 2023 08:40		01 Aug 2023 07:30	02 Aug 2023 18:16	1
HS23071883-14	SP-23	28 Jul 2023 08:40		01 Aug 2023 07:30	02 Aug 2023 17:07	1
Batch ID: 198379 (0)	**Test Name :** METALS BY SW6020A				**Matrix:** Soil	
HS23071883-01	SP-10	28 Jul 2023 07:05		03 Aug 2023 07:30	03 Aug 2023 14:48	20
HS23071883-01	SP-10	28 Jul 2023 07:05		03 Aug 2023 07:30	03 Aug 2023 13:40	1
HS23071883-02	SP-11	28 Jul 2023 07:10		03 Aug 2023 07:30	03 Aug 2023 15:04	100
HS23071883-02	SP-11	28 Jul 2023 07:10		03 Aug 2023 07:30	03 Aug 2023 14:04	1
HS23071883-03	SP-12	28 Jul 2023 07:14		03 Aug 2023 07:30	03 Aug 2023 15:06	20
HS23071883-03	SP-12	28 Jul 2023 07:14		03 Aug 2023 07:30	03 Aug 2023 14:06	1
HS23071883-04	SP-13	28 Jul 2023 07:17		03 Aug 2023 07:30	03 Aug 2023 15:18	50
HS23071883-04	SP-13	28 Jul 2023 07:17		03 Aug 2023 07:30	03 Aug 2023 14:08	1
HS23071883-05	SP-14	28 Jul 2023 07:23		03 Aug 2023 07:30	03 Aug 2023 15:20	20
HS23071883-05	SP-14	28 Jul 2023 07:23		03 Aug 2023 07:30	03 Aug 2023 14:10	1
HS23071883-06	SP-15	28 Jul 2023 07:30		03 Aug 2023 07:30	03 Aug 2023 15:22	20
HS23071883-06	SP-15	28 Jul 2023 07:30		03 Aug 2023 07:30	03 Aug 2023 14:12	1
HS23071883-07	SP-16	28 Jul 2023 07:35		03 Aug 2023 07:30	03 Aug 2023 15:24	50
HS23071883-07	SP-16	28 Jul 2023 07:35		03 Aug 2023 07:30	03 Aug 2023 14:22	1
HS23071883-08	SP-17	28 Jul 2023 07:40		03 Aug 2023 07:30	03 Aug 2023 15:26	50
HS23071883-08	SP-17	28 Jul 2023 07:40		03 Aug 2023 07:30	03 Aug 2023 14:24	1
HS23071883-09	SP-18	28 Jul 2023 07:45		03 Aug 2023 07:30	03 Aug 2023 14:26	1
HS23071883-10	SP-19	28 Jul 2023 08:08		03 Aug 2023 07:30	03 Aug 2023 15:28	20
HS23071883-10	SP-19	28 Jul 2023 08:08		03 Aug 2023 07:30	03 Aug 2023 14:28	1

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198384 (0)	**Test Name :** MERCURY BY SW7471B				**Matrix:** Soil	
HS23071883-01	SP-10	28 Jul 2023 07:05		03 Aug 2023 07:00	03 Aug 2023 12:49	1
HS23071883-02	SP-11	28 Jul 2023 07:10		03 Aug 2023 07:00	03 Aug 2023 12:50	1
HS23071883-03	SP-12	28 Jul 2023 07:14		03 Aug 2023 07:00	03 Aug 2023 12:56	1
HS23071883-04	SP-13	28 Jul 2023 07:17		03 Aug 2023 07:00	03 Aug 2023 12:58	1
HS23071883-05	SP-14	28 Jul 2023 07:23		03 Aug 2023 07:00	03 Aug 2023 13:00	1
HS23071883-06	SP-15	28 Jul 2023 07:30		03 Aug 2023 07:00	03 Aug 2023 13:01	1
HS23071883-07	SP-16	28 Jul 2023 07:35		03 Aug 2023 07:00	03 Aug 2023 13:03	1
HS23071883-08	SP-17	28 Jul 2023 07:40		03 Aug 2023 07:00	03 Aug 2023 13:05	1
HS23071883-09	SP-18	28 Jul 2023 07:45		03 Aug 2023 07:00	03 Aug 2023 13:06	1
HS23071883-10	SP-19	28 Jul 2023 08:08		03 Aug 2023 07:00	03 Aug 2023 13:08	1
HS23071883-11	SP-20	28 Jul 2023 08:12		03 Aug 2023 07:00	03 Aug 2023 13:10	1
HS23071883-12	SP-21	28 Jul 2023 08:16		03 Aug 2023 07:00	03 Aug 2023 13:12	1
HS23071883-13	SP-22	28 Jul 2023 08:20		03 Aug 2023 07:00	03 Aug 2023 13:17	1
HS23071883-14	SP-23	28 Jul 2023 08:40		03 Aug 2023 07:00	03 Aug 2023 13:19	1
Batch ID: 198385 (0)	**Test Name :** MERCURY BY SW7471B				**Matrix:** Soil	
HS23071883-15	SP-24	28 Jul 2023 08:25		03 Aug 2023 07:30	03 Aug 2023 14:05	1
HS23071883-16	SP-25	28 Jul 2023 08:33		03 Aug 2023 07:30	03 Aug 2023 14:18	1
Batch ID: 198443 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23071883-01	SP-10	28 Jul 2023 07:05	01 Aug 2023 08:00	02 Aug 2023 13:30	02 Aug 2023 23:53	1
HS23071883-02	SP-11	28 Jul 2023 07:10	01 Aug 2023 08:00	02 Aug 2023 13:30	02 Aug 2023 23:57	1
HS23071883-03	SP-12	28 Jul 2023 07:14	01 Aug 2023 08:00	02 Aug 2023 13:30	02 Aug 2023 23:59	1
HS23071883-04	SP-13	28 Jul 2023 07:17	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:01	1
HS23071883-05	SP-14	28 Jul 2023 07:23	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:03	1
HS23071883-06	SP-15	28 Jul 2023 07:30	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:05	1
HS23071883-07	SP-16	28 Jul 2023 07:35	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:07	1
HS23071883-08	SP-17	28 Jul 2023 07:40	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:09	1
HS23071883-09	SP-18	28 Jul 2023 07:45	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:11	1
HS23071883-10	SP-19	28 Jul 2023 08:08	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:17	1
HS23071883-11	SP-20	28 Jul 2023 08:12	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:20	1
HS23071883-12	SP-21	28 Jul 2023 08:16	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:22	1
HS23071883-13	SP-22	28 Jul 2023 08:20	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:24	1
HS23071883-14	SP-23	28 Jul 2023 08:40	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:26	1
HS23071883-15	SP-24	28 Jul 2023 08:25	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:28	1
HS23071883-16	SP-25	28 Jul 2023 08:33	01 Aug 2023 08:00	02 Aug 2023 13:30	03 Aug 2023 00:30	1

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 198455 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23071883-01	SP-10	28 Jul 2023 07:05	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 18:52	1
HS23071883-02	SP-11	28 Jul 2023 07:10	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:02	1
HS23071883-03	SP-12	28 Jul 2023 07:14	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:04	1
HS23071883-04	SP-13	28 Jul 2023 07:17	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:05	1
HS23071883-05	SP-14	28 Jul 2023 07:23	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:07	1
HS23071883-06	SP-15	28 Jul 2023 07:30	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:09	1
HS23071883-07	SP-16	28 Jul 2023 07:35	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:11	1
HS23071883-08	SP-17	28 Jul 2023 07:40	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:12	1
HS23071883-09	SP-18	28 Jul 2023 07:45	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:18	1
HS23071883-10	SP-19	28 Jul 2023 08:08	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:19	1
HS23071883-11	SP-20	28 Jul 2023 08:12	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:21	1
HS23071883-12	SP-21	28 Jul 2023 08:16	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:23	1
HS23071883-13	SP-22	28 Jul 2023 08:20	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:25	1
HS23071883-14	SP-23	28 Jul 2023 08:40	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:26	1
HS23071883-15	SP-24	28 Jul 2023 08:25	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:28	1
HS23071883-16	SP-25	28 Jul 2023 08:33	01 Aug 2023 08:00	02 Aug 2023 10:00	02 Aug 2023 19:30	1
Batch ID: R443069 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23071883-01	SP-10	28 Jul 2023 07:05			02 Aug 2023 08:41	1
HS23071883-02	SP-11	28 Jul 2023 07:10			02 Aug 2023 08:41	1
HS23071883-03	SP-12	28 Jul 2023 07:14			02 Aug 2023 08:41	1
HS23071883-04	SP-13	28 Jul 2023 07:17			02 Aug 2023 08:41	1
Batch ID: R443071 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23071883-05	SP-14	28 Jul 2023 07:23			02 Aug 2023 12:28	1
HS23071883-06	SP-15	28 Jul 2023 07:30			02 Aug 2023 12:28	1
HS23071883-07	SP-16	28 Jul 2023 07:35			02 Aug 2023 12:28	1
HS23071883-08	SP-17	28 Jul 2023 07:40			02 Aug 2023 12:28	1
HS23071883-09	SP-18	28 Jul 2023 07:45			02 Aug 2023 12:28	1
HS23071883-10	SP-19	28 Jul 2023 08:08			02 Aug 2023 12:28	1
HS23071883-11	SP-20	28 Jul 2023 08:12			02 Aug 2023 12:28	1
HS23071883-12	SP-21	28 Jul 2023 08:16			02 Aug 2023 12:28	1
HS23071883-13	SP-22	28 Jul 2023 08:20			02 Aug 2023 12:28	1
HS23071883-14	SP-23	28 Jul 2023 08:40			02 Aug 2023 12:28	1
HS23071883-15	SP-24	28 Jul 2023 08:25			02 Aug 2023 12:28	1
Batch ID: R443072 (0)	**Test Name :** MOISTURE - ASTM D2216				**Matrix:** Soil	
HS23071883-16	SP-25	28 Jul 2023 08:33			02 Aug 2023 13:04	1

WorkOrder: HS23071883
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23071883
InstrumentID: ICPMS06
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00137	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00248	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00137	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00142	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00245	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000552	0.000200	0.00500

WorkOrder: HS23071883
InstrumentID: HG04
Test Code: HG_S_Low
Test Number: SW7471B
Test Name: Mercury by SW7471B

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** µg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	1.67	0.333	0.470	3.32

WorkOrder: HS23071883
InstrumentID: ICPMS05
Test Code: ICP_S_Low
Test Number: SW6020A
Test Name: Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** mg/Kg

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.100	0.0843	0.0700	0.500
A	Barium	7440-39-3	0.100	0.0990	0.0300	0.500
A	Cadmium	7440-43-9	0.100	0.104	0.0270	0.500
A	Chromium	7440-47-3	0.100	0.0952	0.0230	0.500
A	Lead	7439-92-1	0.100	0.103	0.0130	0.500
A	Selenium	7782-49-2	1.00	0.962	0.0910	0.500
A	Silver	7440-22-4	0.100	0.101	0.0150	0.500

WorkOrder: HS23071883
InstrumentID: Balance1
Test Code: MOIST_ASTM
Test Number: ASTM D2216
Test Name: Moisture - ASTM D2216

METHOD DETECTION / REPORTING LIMITS

Matrix: Solid **Units:** wt%

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Percent Moisture	MOIST	0	0	0.0100	0.0100

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198262 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

LCS Sample ID: **LCS-198262** Units: **mg/Kg** Analysis Date: **01-Aug-2023 14:09**
Client ID: Run ID: **ICPMS05_442868** SeqNo: **7464563** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.612	0.498	9.964	0	96.5	80 - 120				
Barium	10.32	0.498	9.964	0	104	80 - 120				
Cadmium	9.98	0.498	9.964	0	100	80 - 120				
Chromium	10.39	0.498	9.964	0	104	80 - 120				
Lead	10.47	0.498	9.964	0	105	80 - 120				
Selenium	9.932	0.498	9.964	0	99.7	80 - 120				
Silver	10.13	0.498	9.964	0	102	80 - 120				

MS Sample ID: **HS23071761-01MS** Units: **mg/Kg** Analysis Date: **01-Aug-2023 14:15**
Client ID: Run ID: **ICPMS05_442868** SeqNo: **7464566** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.92	0.471	9.427	2.448	100	75 - 125				
Barium	66.2	0.471	9.427	53.41	136	75 - 125				SO
Cadmium	8.994	0.471	9.427	0.06905	94.7	75 - 125				
Chromium	14.56	0.471	9.427	5.769	93.2	75 - 125				
Lead	11.89	0.471	9.427	2.532	99.3	75 - 125				
Selenium	11.07	0.471	9.427	0.3113	114	75 - 125				
Silver	8.455	0.471	9.427	0.02199	89.5	75 - 125				

MSD Sample ID: **HS23071761-01MSD** Units: **mg/Kg** Analysis Date: **01-Aug-2023 17:22**
Client ID: Run ID: **ICPMS05_442868** SeqNo: **7465102** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.6	0.488	9.756	2.448	104	75 - 125	11.92	5.55	20	
Barium	73.43	0.488	9.756	53.41	205	75 - 125	66.2	10.4	20	SO
Cadmium	9.129	0.488	9.756	0.06905	92.9	75 - 125	8.994	1.5	20	
Chromium	14.37	0.488	9.756	5.769	88.2	75 - 125	14.56	1.26	20	
Lead	12.26	0.488	9.756	2.532	99.7	75 - 125	11.89	3.08	20	
Selenium	11.46	0.488	9.756	0.3113	114	75 - 125	11.07	3.52	20	
Silver	8.627	0.488	9.756	0.02199	88.2	75 - 125	8.455	2.02	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198262 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

PDS Sample ID: **HS23071761-01PDS** Units: **mg/Kg** Analysis Date: **01-Aug-2023 14:19**
Client ID: Run ID: **ICPMS05_442868** SeqNo: **7464568** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	12.21	0.482	9.643	2.448	101	75 - 125				
Barium	64.33	0.482	9.643	53.41	113	75 - 125				O
Cadmium	9.391	0.482	9.643	0.06905	96.7	75 - 125				
Chromium	15.21	0.482	9.643	5.769	97.9	75 - 125				
Lead	12.69	0.482	9.643	2.532	105	75 - 125				
Selenium	11.1	0.482	9.643	0.3113	112	75 - 125				
Silver	8.819	0.482	9.643	0.02199	91.2	75 - 125				

SD Sample ID: **HS23071761-01SD** Units: **mg/Kg** Analysis Date: **01-Aug-2023 14:13**
Client ID: Run ID: **ICPMS05_442868** SeqNo: **7464565** PrepDate: **01-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Barium	53.54	2.41					53.41	0.245	10	
Cadmium	U	2.41					0.06905	0	10	
Chromium	5.557	2.41					5.769	3.67	10	
Lead	2.492	2.41					2.532	1.57	10	
Selenium	U	2.41					0.3113	0	10	
Silver	U	2.41					0.02199	0	10	

The following samples were analyzed in this batch: HS23071883-15 HS23071883-16

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198330 (0) **Instrument: ICPMS06** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198330** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:14**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467430** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.497								
Barium	U	0.497								
Cadmium	U	0.497								
Chromium	U	0.497								
Lead	U	0.497								
Selenium	U	0.497								
Silver	U	0.497								

MBLK Sample ID: **MBLK-198330** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:26**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7467635** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.497								
Barium	U	0.497								
Cadmium	U	0.497								
Chromium	U	0.497								
Lead	U	0.497								
Selenium	U	0.497								
Silver	U	0.497								

LCS Sample ID: **LCS-198330** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:16**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467431** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	9.677	0.497	9.944	0	97.3	80 - 120				
Barium	10.13	0.497	9.944	0	102	80 - 120				
Cadmium	9.887	0.497	9.944	0	99.4	80 - 120				
Chromium	10.06	0.497	9.944	0	101	80 - 120				
Lead	10.23	0.497	9.944	0	103	80 - 120				
Selenium	9.867	0.497	9.944	0	99.2	80 - 120				
Silver	10.05	0.497	9.944	0	101	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198330 (0) **Instrument: ICPMS06** **Method: METALS BY SW6020A**

MS Sample ID: **HS23080053-01MS** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:22**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467638** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.07	0.496	9.911	1.985	91.7	75 - 125				
Barium	96.64	0.496	9.911	72.32	245	75 - 125				SO
Cadmium	9.859	0.496	9.911	0.06136	98.9	75 - 125				
Chromium	22.33	0.496	9.911	11.04	114	75 - 125				
Lead	15.2	0.496	9.911	4.94	104	75 - 125				
Selenium	9.24	0.496	9.911	0.4297	88.9	75 - 125				
Silver	8.804	0.496	9.911	0.03839	88.4	75 - 125				

MSD Sample ID: **HS23080053-01MSD** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:24**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467639** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.07	0.496	9.917	1.985	91.6	75 - 125	11.07	0.0112	20	
Barium	86.48	0.496	9.917	72.32	143	75 - 125	96.64	11.1	20	SO
Cadmium	9.908	0.496	9.917	0.06136	99.3	75 - 125	9.859	0.491	20	
Chromium	21.83	0.496	9.917	11.04	109	75 - 125	22.33	2.24	20	
Lead	15.29	0.496	9.917	4.94	104	75 - 125	15.2	0.556	20	
Selenium	9.371	0.496	9.917	0.4297	90.2	75 - 125	9.24	1.4	20	
Silver	9.453	0.496	9.917	0.03839	94.9	75 - 125	8.804	7.11	20	

PDS Sample ID: **HS23080053-01PDS** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:26**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467640** PrepDate: **01-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.41	0.491	9.817	1.985	96.0	75 - 125				
Barium	82.46	0.491	9.817	72.32	103	75 - 125				O
Cadmium	9.9	0.491	9.817	0.06136	100	75 - 125				
Chromium	20.58	0.491	9.817	11.04	97.1	75 - 125				
Lead	15.19	0.491	9.817	4.94	104	75 - 125				
Selenium	10.34	0.491	9.817	0.4297	101	75 - 125				
Silver	9.892	0.491	9.817	0.03839	100	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198330 (0) **Instrument: ICPMS06** **Method: METALS BY SW6020A**

SD Sample ID: **HS23080053-01SD** Units: **mg/Kg** Analysis Date: **02-Aug-2023 16:20**
Client ID: Run ID: **ICPMS05_442950** SeqNo: **7467637** PrepDate: **01-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	1.966	2.45					1.985	0	10	J
Barium	72.45	2.45					72.32	0.184	10	
Cadmium	U	2.45					0.06136	0	10	
Chromium	11.69	2.45					11.04	5.88	10	
Lead	4.905	2.45					4.94	0.698	10	
Selenium	0.5056	2.45					0.4297	0	10	J
Silver	U	2.45					0.03839	0	10	

The following samples were analyzed in this batch: HS23071883-11 HS23071883-12 HS23071883-13 HS23071883-14

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198379 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MBLK Sample ID: **MBLK-198379** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:36**
Client ID: Run ID: **ICPMS05_443091** SeqNo: **7470032** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.498								
Barium	U	0.498								
Cadmium	U	0.498								
Chromium	0.0863	0.498								J
Lead	0.01603	0.498								J
Selenium	U	0.498								
Silver	U	0.498								

LCS Sample ID: **LCS-198379** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:38**
Client ID: Run ID: **ICPMS05_443091** SeqNo: **7470033** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	10.48	0.498	9.964	0	105	80 - 120				
Barium	10.24	0.498	9.964	0	103	80 - 120				
Cadmium	10.27	0.498	9.964	0	103	80 - 120				
Chromium	10.62	0.498	9.964	0	107	80 - 120				
Lead	10.66	0.498	9.964	0	107	80 - 120				
Selenium	10.42	0.498	9.964	0	105	80 - 120				
Silver	10.18	0.498	9.964	0	102	80 - 120				

MS Sample ID: **HS23071883-01MS** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:44**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470036** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.66	0.459	9.184	6.527	110	75 - 125				
Barium	105.6	0.459	9.184	78.94	290	75 - 125				SO
Cadmium	10.9	0.459	9.184	2.009	96.7	75 - 125				
Chromium	32.74	0.459	9.184	21.16	126	75 - 125				S
Lead	404.9	0.459	9.184	273.7	1430	75 - 125				SEO
Selenium	9.74	0.459	9.184	0.9681	95.5	75 - 125				
Silver	8.805	0.459	9.184	0.06928	95.1	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198379 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

MSD Sample ID: **HS23071883-01MSD** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:46**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470037** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	17.18	0.489	9.779	6.527	109	75 - 125	16.66	3.07	20	
Barium	106.2	0.489	9.779	78.94	278	75 - 125	105.6	0.545	20	SO
Cadmium	12.98	0.489	9.779	2.009	112	75 - 125	10.9	17.5	20	
Chromium	37.9	0.489	9.779	21.16	171	75 - 125	32.74	14.6	20	S
Lead	277.5	0.489	9.779	273.7	39.0	75 - 125	404.9	37.3	20	SREO
Selenium	10.92	0.489	9.779	0.9681	102	75 - 125	9.74	11.4	20	
Silver	9.526	0.489	9.779	0.06928	96.7	75 - 125	8.805	7.86	20	

PDS Sample ID: **HS23071883-01PDS** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:48**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470038** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	16.22	0.476	9.529	6.527	102	75 - 125				
Barium	87.6	0.476	9.529	78.94	90.8	75 - 125				O
Cadmium	11.58	0.476	9.529	2.009	100	75 - 125				
Chromium	30.4	0.476	9.529	21.16	96.9	75 - 125				
Selenium	10.48	0.476	9.529	0.9681	99.8	75 - 125				
Silver	8.371	0.476	9.529	0.06928	87.1	75 - 125				

PDS Sample ID: **HS23071883-01PDS** Units: **mg/Kg** Analysis Date: **03-Aug-2023 14:52**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470283** PrepDate: **03-Aug-2023** DF: **20**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Lead	455.3	9.53	190.6	239.7	113	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198379 (0) **Instrument: ICPMS05** **Method: METALS BY SW6020A**

SD Sample ID: **HS23071883-01SD** Units: **mg/Kg** Analysis Date: **03-Aug-2023 13:42**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470035** PrepDate: **03-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	6.6	2.38					6.527	1.11	10	
Barium	79.63	2.38					78.94	0.869	10	
Cadmium	2.101	2.38					2.009	0	10	J
Chromium	21.75	2.38					21.16	2.75	10	
Selenium	1.063	2.38					0.9681	0	10	J
Silver	0.081	2.38					0.06928	0	10	J

SD Sample ID: **HS23071883-01SD** Units: **mg/Kg** Analysis Date: **03-Aug-2023 14:50**
Client ID: **SP-10** Run ID: **ICPMS05_443091** SeqNo: **7470282** PrepDate: **03-Aug-2023** DF: **100**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Lead	263.5	47.6					239.7	9.94	10	

The following samples were analyzed in this batch:

HS23071883-01	HS23071883-02	HS23071883-03	HS23071883-04
HS23071883-05	HS23071883-06	HS23071883-07	HS23071883-08
HS23071883-09	HS23071883-10		

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198384 (0) **Instrument: HG04** **Method: MERCURY BY SW7471B**

MBLK Sample ID: **MBLK-198384** Units: **ug/Kg** Analysis Date: **03-Aug-2023 12:21**
Client ID: Run ID: **HG04_443128** SeqNo: **7470544** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	3.32								

LCS Sample ID: **LCS-198384** Units: **ug/Kg** Analysis Date: **03-Aug-2023 12:23**
Client ID: Run ID: **HG04_443128** SeqNo: **7470545** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	336.7	3.32	333.3	0	101	80 - 120				

MS Sample ID: **HS23071869-01MS** Units: **ug/Kg** Analysis Date: **03-Aug-2023 12:36**
Client ID: Run ID: **HG04_443128** SeqNo: **7470550** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	357.8	3.49	350.1	32.31	93.0	80 - 120				

MSD Sample ID: **HS23071869-01MSD** Units: **ug/Kg** Analysis Date: **03-Aug-2023 12:40**
Client ID: Run ID: **HG04_443128** SeqNo: **7470551** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	370.7	3.54	355	32.31	95.3	80 - 120	357.8	3.52	20	

The following samples were analyzed in this batch:

HS23071883-01	HS23071883-02	HS23071883-03	HS23071883-04
HS23071883-05	HS23071883-06	HS23071883-07	HS23071883-08
HS23071883-09	HS23071883-10	HS23071883-11	HS23071883-12
HS23071883-13	HS23071883-14		

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198385 (0) **Instrument: HG04** **Method: MERCURY BY SW7471B**

MBLK Sample ID: **MBLK-198385** Units: **ug/Kg** Analysis Date: **03-Aug-2023 13:21**
Client ID: Run ID: **HG04_443128** SeqNo: **7470524** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	3.32								

LCS Sample ID: **LCS-198385** Units: **ug/Kg** Analysis Date: **03-Aug-2023 13:22**
Client ID: Run ID: **HG04_443128** SeqNo: **7470525** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	362	3.32	333.3	0	109	80 - 120				

MS Sample ID: **HS23071883-15MS** Units: **ug/Kg** Analysis Date: **03-Aug-2023 14:09**
Client ID: **SP-24** Run ID: **HG04_443128** SeqNo: **7470566** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	381.8	3.44	344.6	11.13	108	80 - 120				

MSD Sample ID: **HS23071883-15MSD** Units: **ug/Kg** Analysis Date: **03-Aug-2023 14:16**
Client ID: **SP-24** Run ID: **HG04_443128** SeqNo: **7470567** PrepDate: **03-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	378.8	3.48	348.8	11.13	105	80 - 120	381.8	0.792	20	

The following samples were analyzed in this batch: HS23071883-15 HS23071883-16

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198443 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT1-198350** Units: **mg/L** Analysis Date: **02-Aug-2023 23:32**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468420** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-198443** Units: **mg/L** Analysis Date: **02-Aug-2023 23:30**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468419** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

LCS Sample ID: **LCS-198443** Units: **mg/L** Analysis Date: **02-Aug-2023 23:34**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468421** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.04412	0.00500	0.05	0	88.2	80 - 120				
Barium	0.04497	0.0200	0.05	0	89.9	80 - 120				
Cadmium	0.04603	0.00500	0.05	0	92.1	80 - 120				
Chromium	0.04527	0.00500	0.05	0	90.5	80 - 120				
Lead	0.04377	0.00500	0.05	0	87.5	80 - 120				
Selenium	0.04555	0.00500	0.05	0	91.1	80 - 120				
Silver	0.04479	0.00500	0.05	0	89.6	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198443 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

MS Sample ID: **HS23071759-01MS** Units: **mg/L** Analysis Date: **02-Aug-2023 23:40**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468424** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.469	0.0500	0.5	0.00474	92.8	80 - 120				
Barium	1.034	0.200	0.5	0.5209	103	80 - 120				
Cadmium	0.4588	0.0500	0.5	0.00027	91.7	80 - 120				
Chromium	0.4568	0.0500	0.5	-0.00013	91.4	80 - 120				
Lead	0.4557	0.0500	0.5	0.00041	91.1	80 - 120				
Selenium	0.4721	0.0500	0.5	-0.00112	94.7	80 - 120				
Silver	0.4479	0.0500	0.5	0.0003	89.5	80 - 120				

MSD Sample ID: **HS23071759-01MSD** Units: **mg/L** Analysis Date: **02-Aug-2023 23:42**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468425** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4567	0.0500	0.5	0.00474	90.4	80 - 120	0.469	2.64	20	
Barium	1.028	0.200	0.5	0.5209	101	80 - 120	1.034	0.6	20	
Cadmium	0.4658	0.0500	0.5	0.00027	93.1	80 - 120	0.4588	1.52	20	
Chromium	0.4573	0.0500	0.5	-0.00013	91.5	80 - 120	0.4568	0.125	20	
Lead	0.4608	0.0500	0.5	0.00041	92.1	80 - 120	0.4557	1.1	20	
Selenium	0.4832	0.0500	0.5	-0.00112	96.9	80 - 120	0.4721	2.31	20	
Silver	0.4527	0.0500	0.5	0.0003	90.5	80 - 120	0.4479	1.06	20	

PDS Sample ID: **HS23071759-01PDS** Units: **mg/L** Analysis Date: **02-Aug-2023 23:44**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468426** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.051	0.0500	1	0.00474	105	75 - 125				
Barium	1.641	0.200	1	0.5209	112	75 - 125				
Cadmium	1.081	0.0500	1	0.00027	108	75 - 125				
Chromium	1.054	0.0500	1	-0.00013	105	75 - 125				
Lead	1.06	0.0500	1	0.00041	106	75 - 125				
Selenium	1.087	0.0500	1	-0.00112	109	75 - 125				
Silver	1.04	0.0500	1	0.0003	104	75 - 125				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198443 (0) **Instrument: ICPMS06** **Method: TCLP METALS BY SW6020A**

SD Sample ID: **HS23071759-01SD** Units: **mg/L** Analysis Date: **02-Aug-2023 23:38**
Client ID: Run ID: **ICPMS06_442976** SeqNo: **7468423** PrepDate: **02-Aug-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00474	0	10	
Barium	0.5175	1.00					0.5209	0	10	J
Cadmium	U	0.250					0.00027	0	10	
Chromium	U	0.250					-0.00013	0	10	
Lead	U	0.250					0.00041	0	10	
Selenium	U	0.250					-0.00112	0	10	
Silver	U	0.250					0.0003	0	10	

The following samples were analyzed in this batch:

HS23071883-01	HS23071883-02	HS23071883-03	HS23071883-04
HS23071883-05	HS23071883-06	HS23071883-07	HS23071883-08
HS23071883-09	HS23071883-10	HS23071883-11	HS23071883-12
HS23071883-13	HS23071883-14	HS23071883-15	HS23071883-16

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: 198455 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-198351** Units: **mg/L** Analysis Date: **02-Aug-2023 18:41**
Client ID: Run ID: **HG04_443008** SeqNo: **7468127** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-198225** Units: **mg/L** Analysis Date: **02-Aug-2023 18:39**
Client ID: Run ID: **HG04_443008** SeqNo: **7468126** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-198455** Units: **mg/L** Analysis Date: **02-Aug-2023 18:34**
Client ID: Run ID: **HG04_443008** SeqNo: **7468124** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-198455** Units: **mg/L** Analysis Date: **02-Aug-2023 18:38**
Client ID: Run ID: **HG04_443008** SeqNo: **7468125** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00577	0.000200	0.005	0	115	80 - 120				

MS Sample ID: **HS23071883-01MS** Units: **mg/L** Analysis Date: **02-Aug-2023 18:57**
Client ID: **SP-10** Run ID: **HG04_443008** SeqNo: **7468133** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00582	0.000200	0.005	-0.000015	117	75 - 125				

MSD Sample ID: **HS23071883-01MSD** Units: **mg/L** Analysis Date: **02-Aug-2023 19:00**
Client ID: **SP-10** Run ID: **HG04_443008** SeqNo: **7468134** PrepDate: **02-Aug-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00569	0.000200	0.005	-0.000015	114	75 - 125	0.00582	2.26	20	

The following samples were analyzed in this batch:

HS23071883-01	HS23071883-02	HS23071883-03	HS23071883-04
HS23071883-05	HS23071883-06	HS23071883-07	HS23071883-08
HS23071883-09	HS23071883-10	HS23071883-11	HS23071883-12
HS23071883-13	HS23071883-14	HS23071883-15	HS23071883-16

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: R443069 (0) **Instrument: Balance1** **Method: MOISTURE - ASTM D2216**

DUP Sample ID: **HS23071754-03DUP** Units: **wt%** Analysis Date: **02-Aug-2023 08:41**
Client ID: Run ID: **Balance1_443069** SeqNo: **7469296** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	30.4	0.0100					31.3	2.92	20	

The following samples were analyzed in this batch: HS23071883-01 HS23071883-02 HS23071883-03 HS23071883-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: R443071 (0) **Instrument: Balance1** **Method: MOISTURE - ASTM D2216**

DUP Sample ID: **HS23071880-02DUP** Units: **wt%** Analysis Date: **02-Aug-2023 12:28**
Client ID: Run ID: **Balance1_443071** SeqNo: **7469337** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	19.2	0.0100					19.7	2.57	20	

The following samples were analyzed in this batch:

HS23071883-05	HS23071883-06	HS23071883-07	HS23071883-08
HS23071883-09	HS23071883-10	HS23071883-11	HS23071883-12
HS23071883-13	HS23071883-14	HS23071883-15	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23071883

QC BATCH REPORT

Batch ID: **R443072 (0)** **Instrument:** **Balance1** **Method:** **MOISTURE - ASTM D2216**

DUP Sample ID: **HS23070782-07DUP** Units: **wt%** Analysis Date: **02-Aug-2023 13:04**
Client ID: Run ID: **Balance1_443072** SeqNo: **7469358** PrepDate: DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Percent Moisture	18.3	0.0100					18.6	1.63	20	

The following samples were analyzed in this batch: HS23071883-16

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23071883**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087-2023	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

ALS Houston, US Date: 04-Aug-23

Sample Receipt Checklist

Work Order ID: HS23071883 **Date/Time Received:** **29-Jul-2023 09:00**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By: */S/ Paresh M. Giga* 29-Jul-2023 11:40 **Reviewed by:** */S/ Tyler Monroe* 02-Aug-2023 13:02

eSignature Date/Time eSignature Date/Time

Matrices: **Soil** Carrier name: **FedEx Priority Overnight**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:299078/299079
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.0C/2.9C U/c	IR31	
Cooler(s)/Kit(s):	47956		
Date/Time sample(s) sent to storage:	7/29/23 11:55		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes: Logged in for a 3 Day TAT per email

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070

Chain of Custody Form

Page 1 of 2

COC ID: 299078

HS23071883

WSP Golder

Frisco Pre-Excavation Soil

NV

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	~~Rahel Pommerenke~~ William Wirgx	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	William.Wirgx@WSP.com	Fax		I	
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-10	7-28-23	705	SS	8	2	X	X	X								
2	SP-11		710														
3	SP-12		714														
4	SP-13		717														
5	SP-14		723														
6	SP-15		730														
7	SP-16		735														
8	SP-17		740														
9	SP-18		745														
10	SP-19		808														

Sampler(s) Please Print & Sign: William Wirgx

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by: William Wirgx	Date: 7-28-23	Time: 1330	Received by:	Notes: Frisco Pre-Excavation
Relinquished by:	Date:	Time:	Received by (Laboratory): CA 7-29-23 0900	Cooler ID: 97496 / TR31 — Cooler Temp: 3.0°
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ ~~Other~~
- ☒ TRRP Checklist
- ☐ TRRP LevelIV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Everett, WA +1 425 356 2600
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Holland, MI +1 616 399 6070

Chain of Custody Form

Page 2 of 2

COC ID: 299079

HS23071883

WSP Golder

Frisco Pre-Excavation Soil

ALS Project Manager:

Customer Information		Project Information			
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	~~Rahel Pommerenke~~ William Wecks	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	William.Wecks@WSP.com	Fax		I	
e-Mail Address	~~Rahel_Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-20	7-28-23	812	SS	8	2	X	X	X								
2	SP-21		816														
3	SP-22		820														
4	SP-23		840														
5	SP-24		825														
6	SP-25		833														
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: William Wecks

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 7-28-23	Time: 1330	Received by:	Notes: Frisco Pre-Excavation
Relinquished by:	Date:	Time:	Received by (Laboratory): 7-29-23	Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)

☐ Level II Std QC ☐ Level III Std QC/Raw Data ☐ Level IV SW846/CLP ☐ Other ☒ TRRP Checklist ☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

47956

CUSTODY SEAL

Date: 7-28-23 Time: 1300
Name: [illegible]
Company: [illegible]

Seal Broken By: [illegible]
Date: 07129123

47956 JUL 29 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

47956

CUSTODY SEAL

Date: 7-28-23 Time: 1300
Name: [illegible]
Company: [illegible]

Seal Broken By: [illegible]
Date: 07129123

ORIGIN ID:SGRA (817) 759-9914
GERARDO RUIZ
GOLDER
14114 N DALLAS PKWY, SUITE 315

DALLAS, TX 75254
UNITED STATES US

SHIP DATE: 24MAR22
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3512
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: BOEING SAN ANTONIA - BO 84207 - DW

47956

RMA:

FedEx Express

FedEx
TRK# 0221 5300 5229 5363

SATURDAY 12:00P
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US
IAH

3297735 28Jul2023 DALA 581G4/6AE4/C0B8

Treated Stockpile Analytical Reports

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 05, 2023

Timothy Jennings
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23091792**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear Timothy Jennings,

ALS Environmental received 14 sample(s) on Sep 27, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23091792**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23091792**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 10/04/2025
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23091792
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 201309,201398

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 10/04/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23091792				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 201309,201398				
#[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)**					
		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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 10/04/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23091792
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 201309,201398

ER#[5]	Description
	No Exceptions

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23091792

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23091792-01	TB6240	Soil		26-Sep-2023 08:15	27-Sep-2023 09:10	☐
HS23091792-02	RB22131	Soil		26-Sep-2023 08:18	27-Sep-2023 09:10	☐
HS23091792-03	RBR250512	Soil		26-Sep-2023 08:19	27-Sep-2023 09:10	☐
HS23091792-04	RT-5324	Soil		26-Sep-2023 08:22	27-Sep-2023 09:10	☐
HS23091792-05	RT359	Soil		26-Sep-2023 08:25	27-Sep-2023 09:10	☐
HS23091792-06	RT742	Soil		26-Sep-2023 08:28	27-Sep-2023 09:10	☐
HS23091792-07	RBR250600	Soil		26-Sep-2023 08:29	27-Sep-2023 09:10	☐
HS23091792-08	N48790	Soil		26-Sep-2023 08:33	27-Sep-2023 09:10	☐
HS23091792-09	11744478	Soil		26-Sep-2023 08:34	27-Sep-2023 09:10	☐
HS23091792-10	RBR251505	Soil		26-Sep-2023 08:35	27-Sep-2023 09:10	☐
HS23091792-11	U-601	Soil		26-Sep-2023 09:10	27-Sep-2023 09:10	☐
HS23091792-12	U-600	Soil		26-Sep-2023 09:12	27-Sep-2023 09:10	☐
HS23091792-13	RT401097	Soil		26-Sep-2023 09:24	27-Sep-2023 09:10	☐
HS23091792-14	RT6097	Soil		26-Sep-2023 09:32	27-Sep-2023 09:10	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: TB6240
Collection Date: 26-Sep-2023 08:15

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:16
Barium	**0.626**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:16
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:16
Chromium	**0.00460**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Oct-2023 01:16
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:16
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:16
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:16
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 10:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RB22131
Collection Date: 26-Sep-2023 08:18

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:41
Barium	**0.429**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:41
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:41
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:41
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:41
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:41
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:41
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 10:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RBR250512
Collection Date: 26-Sep-2023 08:19

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:43
Barium	**0.319**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:43
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:43
Chromium	**0.00421**	J	**0.00400**	**0.0500**	**mg/L**	1	04-Oct-2023 01:43
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:43
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:43
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:43
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:00

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT-5324
Collection Date: 26-Sep-2023 08:22

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:46
Barium	**0.641**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:46
Cadmium	**0.00226**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Oct-2023 01:46
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:46
Lead	**0.0162**	J	**0.00600**	**0.0500**	**mg/L**	1	04-Oct-2023 01:46
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:46
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:46
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:02

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT359
Collection Date: 26-Sep-2023 08:25

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:48
Barium	**0.355**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:48
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:48
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:48
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:48
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:48
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:48
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:04

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT742
Collection Date: 26-Sep-2023 08:28

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:50
Barium	**0.331**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:50
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:50
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:50
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:50
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:50
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:50
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:05

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RBR250600
Collection Date: 26-Sep-2023 08:29

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:52
Barium	**0.464**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:52
Cadmium	**0.00238**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Oct-2023 01:52
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:52
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:52
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:52
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:52
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:12

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: N48790
Collection Date: 26-Sep-2023 08:33

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:59
Barium	**0.507**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 01:59
Cadmium	**0.00364**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Oct-2023 01:59
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 01:59
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 01:59
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 01:59
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 01:59
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:13

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: 11744478
Collection Date: 26-Sep-2023 08:34

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:01
Barium	**0.498**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:01
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:01
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:01
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 02:01
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:01
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:01
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:15

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RBR251505
Collection Date: 26-Sep-2023 08:35

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:04
Barium	**0.520**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:04
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:04
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:04
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 02:04
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:04
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:04
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:17

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: U-601
Collection Date: 26-Sep-2023 09:10

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:06
Barium	**0.447**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:06
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:06
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:06
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 02:06
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:06
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:06
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:19

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: U-600
Collection Date: 26-Sep-2023 09:12

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-12
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:08
Barium	**0.335**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:08
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:08
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:08
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 02:08
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:08
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:08
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:20

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT401097
Collection Date: 26-Sep-2023 09:24

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-13
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:11
Barium	**0.564**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:11
Cadmium	**0.00585**	J	**0.00200**	**0.0500**	**mg/L**	1	04-Oct-2023 02:11
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:11
Lead	**0.00927**	J	**0.00600**	**0.0500**	**mg/L**	1	04-Oct-2023 02:11
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:11
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:11
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT6097
Collection Date: 26-Sep-2023 09:32

ANALYTICAL REPORT
WorkOrder:HS23091792
Lab ID:HS23091792-14
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 30-Sep-2023	Prep:SW3010A / 03-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:13
Barium	**0.366**		**0.0190**	**0.200**	**mg/L**	1	04-Oct-2023 02:13
Cadmium	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:13
Chromium	U		0.00400	0.0500	mg/L	1	04-Oct-2023 02:13
Lead	U		0.00600	0.0500	mg/L	1	04-Oct-2023 02:13
Selenium	U		0.0110	0.0500	mg/L	1	04-Oct-2023 02:13
Silver	U		0.00200	0.0500	mg/L	1	04-Oct-2023 02:13
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 30-Sep-2023	Prep:SW7470A / 04-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	04-Oct-2023 11:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

Batch ID: 201226 **Start Date:** 29 Sep 2023 15:00 **End Date:** 29 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-13		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201227 **Start Date:** 29 Sep 2023 15:00 **End Date:** 29 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-13		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201228 **Start Date:** 29 Sep 2023 15:00 **End Date:** 29 Sep 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-14		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201229 **Start Date:** 29 Sep 2023 15:00 **End Date:** 29 Sep 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-09		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-11		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-12		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091792-14		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

Batch ID: 201309 **Start Date:** 03 Oct 2023 09:30 **End Date:** 03 Oct 2023 09:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-11		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-12		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-13		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091792-14		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 201398 **Start Date:** 04 Oct 2023 07:00 **End Date:** 04 Oct 2023 07:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091792-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-04		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-11		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-12		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-13		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091792-14		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 201309 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23091792-01	TB6240	26 Sep 2023 08:15	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:16	1
HS23091792-02	RB22131	26 Sep 2023 08:18	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:41	1
HS23091792-03	RBR250512	26 Sep 2023 08:19	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:43	1
HS23091792-04	RT-5324	26 Sep 2023 08:22	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:46	1
HS23091792-05	RT359	26 Sep 2023 08:25	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:48	1
HS23091792-06	RT742	26 Sep 2023 08:28	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:50	1
HS23091792-07	RBR250600	26 Sep 2023 08:29	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:52	1
HS23091792-08	N48790	26 Sep 2023 08:33	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 01:59	1
HS23091792-09	11744478	26 Sep 2023 08:34	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:01	1
HS23091792-10	RBR251505	26 Sep 2023 08:35	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:04	1
HS23091792-11	U-601	26 Sep 2023 09:10	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:06	1
HS23091792-12	U-600	26 Sep 2023 09:12	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:08	1
HS23091792-13	RT401097	26 Sep 2023 09:24	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:11	1
HS23091792-14	RT6097	26 Sep 2023 09:32	30 Sep 2023 08:00	03 Oct 2023 09:30	04 Oct 2023 02:13	1
Batch ID: 201398 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23091792-01	TB6240	26 Sep 2023 08:15	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 10:57	1
HS23091792-02	RB22131	26 Sep 2023 08:18	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 10:59	1
HS23091792-03	RBR250512	26 Sep 2023 08:19	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:00	1
HS23091792-04	RT-5324	26 Sep 2023 08:22	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:02	1
HS23091792-05	RT359	26 Sep 2023 08:25	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:04	1
HS23091792-06	RT742	26 Sep 2023 08:28	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:05	1
HS23091792-07	RBR250600	26 Sep 2023 08:29	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:12	1
HS23091792-08	N48790	26 Sep 2023 08:33	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:13	1
HS23091792-09	11744478	26 Sep 2023 08:34	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:15	1
HS23091792-10	RBR251505	26 Sep 2023 08:35	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:17	1
HS23091792-11	U-601	26 Sep 2023 09:10	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:19	1
HS23091792-12	U-600	26 Sep 2023 09:12	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:20	1
HS23091792-13	RT401097	26 Sep 2023 09:24	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:30	1
HS23091792-14	RT6097	26 Sep 2023 09:32	30 Sep 2023 08:00	04 Oct 2023 07:00	04 Oct 2023 11:31	1

WorkOrder: HS23091792
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23091792
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00132	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00259	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000594	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00121	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00124	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00321	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000542	0.000200	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201309 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-201229** Units: **mg/L** Analysis Date: **04-Oct-2023 01:00**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583143** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-201180** Units: **mg/L** Analysis Date: **04-Oct-2023 01:05**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583145** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-201314** Units: **mg/L** Analysis Date: **04-Oct-2023 01:07**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583146** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201309 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-201947** Units: **mg/L** Analysis Date: **04-Oct-2023 01:03**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583144** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-201227** Units: **mg/L** Analysis Date: **04-Oct-2023 00:58**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583171** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-201309** Units: **mg/L** Analysis Date: **04-Oct-2023 00:56**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583170** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201309 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-201309** Units: **mg/L** Analysis Date: **04-Oct-2023 01:09**
Client ID: Run ID: **ICPMS07_447982** SeqNo: **7583147** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05003	0.00500	0.05	0	100	80 - 120				
Barium	0.04705	0.0200	0.05	0	94.1	80 - 120				
Cadmium	0.04693	0.00500	0.05	0	93.9	80 - 120				
Chromium	0.04748	0.00500	0.05	0	95.0	80 - 120				
Lead	0.04395	0.00500	0.05	0	87.9	80 - 120				
Selenium	0.04889	0.00500	0.05	0	97.8	80 - 120				
Silver	0.04508	0.00500	0.05	0	90.2	80 - 120				

MS Sample ID: **HS23091792-01MS** Units: **mg/L** Analysis Date: **04-Oct-2023 01:21**
Client ID: **TB6240** Run ID: **ICPMS07_447982** SeqNo: **7583152** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4844	0.0500	0.5	0.00169	96.6	80 - 120				
Barium	1.152	0.200	0.5	0.6265	105	80 - 120				
Cadmium	0.4646	0.0500	0.5	0.00162	92.6	80 - 120				
Chromium	0.4616	0.0500	0.5	0.0046	91.4	80 - 120				
Lead	0.4255	0.0500	0.5	0.00177	84.8	80 - 120				
Selenium	0.4725	0.0500	0.5	-0.00351	95.2	80 - 120				
Silver	0.4315	0.0500	0.5	0.00048	86.2	80 - 120				

MSD Sample ID: **HS23091792-01MSD** Units: **mg/L** Analysis Date: **04-Oct-2023 01:23**
Client ID: **TB6240** Run ID: **ICPMS07_447982** SeqNo: **7583153** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4692	0.0500	0.5	0.00169	93.5	80 - 120	0.4844	3.19	20	
Barium	1.115	0.200	0.5	0.6265	97.7	80 - 120	1.152	3.25	20	
Cadmium	0.4493	0.0500	0.5	0.00162	89.5	80 - 120	0.4646	3.36	20	
Chromium	0.4536	0.0500	0.5	0.0046	89.8	80 - 120	0.4616	1.75	20	
Lead	0.4128	0.0500	0.5	0.00177	82.2	80 - 120	0.4255	3.04	20	
Selenium	0.4543	0.0500	0.5	-0.00351	91.6	80 - 120	0.4725	3.93	20	
Silver	0.4221	0.0500	0.5	0.00048	84.3	80 - 120	0.4315	2.2	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201309 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23091792-01PDS** Units: **mg/L** Analysis Date: **04-Oct-2023 01:25**
Client ID: **TB6240** Run ID: **ICPMS07_447982** SeqNo: **7583154** PrepDate: **03-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.087	0.0500	1	0.00169	109	75 - 125				
Barium	1.636	0.200	1	0.6265	101	75 - 125				
Cadmium	1.007	0.0500	1	0.00162	101	75 - 125				
Chromium	1.034	0.0500	1	0.0046	103	75 - 125				
Lead	0.9909	0.0500	1	0.00177	98.9	75 - 125				
Selenium	1.042	0.0500	1	-0.00351	105	75 - 125				
Silver	1.007	0.0500	1	0.00048	101	75 - 125				

SD Sample ID: **HS23091792-01SD** Units: **mg/L** Analysis Date: **04-Oct-2023 01:18**
Client ID: **TB6240** Run ID: **ICPMS07_447982** SeqNo: **7583151** PrepDate: **03-Oct-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00169	0	10	
Barium	0.6022	1.00					0.6265	0	10	J
Cadmium	U	0.250					0.00162	0	10	
Chromium	U	0.250					0.0046	0	10	
Lead	U	0.250					0.00177	0	10	
Selenium	U	0.250					-0.00351	0	10	
Silver	U	0.250					0.00048	0	10	

The following samples were analyzed in this batch:

HS23091792-01	HS23091792-02	HS23091792-03	HS23091792-04
HS23091792-05	HS23091792-06	HS23091792-07	HS23091792-08
HS23091792-09	HS23091792-10	HS23091792-11	HS23091792-12
HS23091792-13	HS23091792-14		

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201398 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-201168** Units: **mg/L** Analysis Date: **04-Oct-2023 10:34**
Client ID: Run ID: **HG04_448164** SeqNo: **7584980** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-201311** Units: **mg/L** Analysis Date: **04-Oct-2023 10:37**
Client ID: Run ID: **HG04_448164** SeqNo: **7584982** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-201228** Units: **mg/L** Analysis Date: **04-Oct-2023 10:40**
Client ID: Run ID: **HG04_448164** SeqNo: **7584984** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT8-201391** Units: **mg/L** Analysis Date: **04-Oct-2023 14:29**
Client ID: Run ID: **HG04_448164** SeqNo: **7585119** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT7-200946** Units: **mg/L** Analysis Date: **04-Oct-2023 10:42**
Client ID: Run ID: **HG04_448164** SeqNo: **7584985** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-201226** Units: **mg/L** Analysis Date: **04-Oct-2023 10:39**
Client ID: Run ID: **HG04_448164** SeqNo: **7584983** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091792

QC BATCH REPORT

Batch ID: 201398 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT3-201104** Units: **mg/L** Analysis Date: **04-Oct-2023 10:35**
Client ID: Run ID: **HG04_448164** SeqNo: **7584981** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-201017** Units: **mg/L** Analysis Date: **04-Oct-2023 10:32**
Client ID: Run ID: **HG04_448164** SeqNo: **7584979** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-201398** Units: **mg/L** Analysis Date: **04-Oct-2023 10:26**
Client ID: Run ID: **HG04_448164** SeqNo: **7584977** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-201398** Units: **mg/L** Analysis Date: **04-Oct-2023 10:30**
Client ID: Run ID: **HG04_448164** SeqNo: **7584978** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00493	0.000200	0.005	0	98.6	80 - 120				

MS Sample ID: **HS23091792-12MS** Units: **mg/L** Analysis Date: **04-Oct-2023 11:24**
Client ID: **U-600** Run ID: **HG04_448164** SeqNo: **7585007** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00507	0.000200	0.005	-0.000001	101	75 - 125				

MSD Sample ID: **HS23091792-12MSD** Units: **mg/L** Analysis Date: **04-Oct-2023 11:28**
Client ID: **U-600** Run ID: **HG04_448164** SeqNo: **7585008** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00501	0.000200	0.005	-0.000001	100	75 - 125	0.00507	1.19	20	

The following samples were analyzed in this batch:

HS23091792-01	HS23091792-02	HS23091792-03	HS23091792-04
HS23091792-05	HS23091792-06	HS23091792-07	HS23091792-08
HS23091792-09	HS23091792-10	HS23091792-11	HS23091792-12
HS23091792-13	HS23091792-14		

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23091792**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23091792 **Date/Time Received:** **27-Sep-2023 09:10**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	28-Sep-2023 18:21	**Reviewed by:**	/S/ Tyler Monroe	29-Sep-2023 12:53
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298718 , 298717
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	3.5UC/3.4C	IR31	
Cooler(s)/Kit(s):	50768		
Date/Time sample(s) sent to storage:	9/28/23		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 298718

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	HS23091792
				F	WSP Golder
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	Frisco Pre-Excavation Soil
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	TB6240	9-26-23	0815	Soil	8	1	X										
2	RB22131		0818														
3	RBR250512		0819														
4	RT-5324		0822														
5	RT 359		0825														
6	RT 742		0828														
7	RBR250600		0829														
8	N487900		0833														
9	11744478		0834														
10	RBR251505		0835														

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
William Wadge	FedEx	☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other	

Relinquished by:	Date:	Time:	Received by:	Notes:
William Wadge	9-26-23	1112		Frisco Pre-Excavation
Relinquished by:	Date:	Time:	Received by (Laboratory):	
			CA 9.27.23 0910	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

Cooler ID	Cooler Temp.
50768	3.5°
10231	

QC Package: (Check One Box Below)
- ☐ Level II Std QC
- ☐ Level III Std QC/Raw Data
- ☐ Level IV SW846/CLP
- ☐ Other
- ☒ TRRP Checklist
- ☐ TRRP LevelIV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

CLF-s.1

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 298717

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	RCRA 8 Soil (6020/7471 Tot RCRA 8)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	Rahel Pommerenke	Invoice Attn	Accounts Payable WSP	D	RCRA 8 Waters (6020/7470 Total RCRA 8 Metals)
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~Rahel.Pommerenke@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

HS23091792
WSP Golder
Frisco Pre-Excavation Soil

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	U-601	9-26-23	0910	Soil	8	1	X										
2	U-600		0912														
3	RT401097		0924														
4	RT6097		0932														
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: William Wade

Shipment Method: FedEx

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date:

Relinquished by:	Date: 9.26.23	Time: 1118	Received by:	Notes: Frisco Pre-Excavation
Relinquished by:	Date:	Time:	Received by (Laboratory): CG 9.27.23 0910	Cooler ID / Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	

QC Package: (Check One Box Below)
☐ Level II Std QC
☐ Level III Std QC/Raw Data
☐ Level IV SW846/CLP
☐ Other
☒ TRRP Checklist
☐ TRRP Level IV

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

50768

CUSTODY SEAL

Date: 9-26-23 Time: 1120
Name: William Lydic
Company: WSP

Seal Broken By:
SM
Date:
09/27/23

50768 SEP 27 2023

ALS

50768

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 16AUG23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5866
REF: FRISCO PRE EXAVATION = BO 94989 - TM

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3004 2533

WED - 27 SEP 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

Part # 150460-524 MTW EXP 11/23

585C5/75B4/FE2D

EXP 08/24

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 05, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23091900**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 11 sample(s) on Sep 30, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23091900**	

This data package consists of all or some of the following as applicable:

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 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.

ALS Houston, US Date: 05-Oct-23

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23091900**	

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data

Laboratory Name: ALS Laboratory Group	LRC Date: 10/04/2025
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23091900
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 201436,201473,201475

#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);NA = Not Applicable; NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 10/04/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23091900				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 201436,201473,201475				
#[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)**					
		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			1
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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable; NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 10/04/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23091900
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 201436,201473,201475

ER#[5]	Description
1	See Run Log and CCB Exceptions Report.

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900
Start Date: 04-Oct-2023 End Date: 05-Oct-2023

Run ID:ICPMS05_448148
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
ICV	1	04-Oct-2023 13:28	024_ICV.d	AG AS BA CD CR PB SE
LLICV2	1	04-Oct-2023 13:32	026LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	04-Oct-2023 13:34	027LCV5.d	AG AS BA CD CR PB SE
ICB	1	04-Oct-2023 13:36	028_ICB.d	AG AS BA CD CR PB SE
ICSA	1	04-Oct-2023 14:04	030ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	04-Oct-2023 14:06	031ICSB.d	AG AS BA CD CR PB SE
CCV 1	1	04-Oct-2023 14:14	034_CCV.d	AG AS BA CD CR PB SE
CCB 1	1	04-Oct-2023 14:16	035_CCB.d	AG AS BA CD CR PB SE
CCV 2	1	04-Oct-2023 14:39	046_CCV.d	AG AS BA CD CR PB SE
CCB 2	1	04-Oct-2023 14:41	047_CCB.d	AG AS BA CD CR PB SE
CCV 3	1	04-Oct-2023 15:04	058_CCV.d	AG AS BA CD CR PB SE
CCB 3	1	04-Oct-2023 15:06	059_CCB.d	AG AS BA CD CR PB SE
CCV 4	1	04-Oct-2023 15:25	068_CCV.d	AG AS BA CD CR PB SE
CCB 4	1	04-Oct-2023 15:27	069_CCB.d	AG AS BA CD CR PB SE
CCV 5	1	04-Oct-2023 15:58	079_CCV.d	AG AS BA CD CR PB SE
CCB 5	1	04-Oct-2023 16:00	080_CCB.d	AG AS BA CD CR PB SE
CCB 6	1	04-Oct-2023 16:19	086_CCB.d	AG AS BA CD CR PB SE
CCV 6	1	04-Oct-2023 16:21	087_CCV.d	AG AS BA CD CR PB SE
CCV 7	1	04-Oct-2023 16:50	098_CCV.d	AG AS BA CD CR PB SE
CCB 7	1	04-Oct-2023 16:52	099_CCB.d	AG AS BA CD CR PB SE
CCV 8	1	04-Oct-2023 17:33	110_CCV.d	AG AS BA CD CR PB SE
CCB 8	1	04-Oct-2023 17:35	111_CCB.d	AG AS BA CD CR PB SE
CCV 9	1	04-Oct-2023 17:49	113_CCV.d	AG AS BA CD CR PB SE
ICCV 10	1	04-Oct-2023 18:25	128_ICV.d	AG AS BA CD CR PB SE
LLICCV2	1	04-Oct-2023 18:29	130LCV2.d	AG AS BA CD CR PB SE
LLICCV5	1	04-Oct-2023 18:31	131LCV5.d	AG AS BA CD CR PB SE
ICCB 9	1	04-Oct-2023 18:33	132_ICB.d	AG AS BA CD CR PB SE
CCV 11	1	04-Oct-2023 18:42	134_CCV.d	AG AS BA CD CR PB SE
CCB 10	1	04-Oct-2023 18:44	135_CCB.d	AG AS BA CD CR PB SE
CCV 12	1	04-Oct-2023 19:45	140_CCV.d	AG AS BA CD CR PB SE
CCB 11	1	04-Oct-2023 19:47	141_CCB.d	AG AS BA CD CR PB SE
CCV 13	1	04-Oct-2023 20:05	150_CCV.d	AG AS BA CD CR PB SE
CCB 12	1	04-Oct-2023 20:07	151_CCB.d	AG AS BA CD CR PB SE
CCV 14	1	04-Oct-2023 20:19	157_CCV.d	AG AS BA CD CR PB SE
CCV 15	1	04-Oct-2023 20:33	162_CCV.d	AG AS BA CD CR PB SE
CCB 13	1	04-Oct-2023 20:35	163_CCB.d	AG AS BA CD CR PB SE
CCV 16	1	04-Oct-2023 20:57	174_CCV.d	AG AS BA CD CR PB SE
CCB 14	1	04-Oct-2023 20:59	175_CCB.d	AG AS BA CD CR PB SE
CCV 17	1	04-Oct-2023 21:19	185_CCV.d	AG AS BA CD CR PB SE
CCB 15	1	04-Oct-2023 21:21	186_CCB.d	AG AS BA CD CR PB SE
ICCV 18	1	04-Oct-2023 22:57	220_ICV.d	AG AS BA CD CR PB SE
LLICCV5	1	04-Oct-2023 23:01	222LCV5.d	AG AS BA CD CR PB SE
LLICCV2	1	04-Oct-2023 23:03	223LCV2.d	AG AS BA CD CR PB SE
ICCB 16	1	04-Oct-2023 23:05	224_ICB.d	AG AS BA CD CR PB SE
CCV 19	1	04-Oct-2023 23:09	226_CCV.d	AG AS BA CD CR PB SE
CCB 17	1	04-Oct-2023 23:11	227_CCB.d	AG AS BA CD CR PB SE
CCV 20	1	04-Oct-2023 23:27	235_CCV.d	AG AS BA CD CR PB SE
CCB 18	1	04-Oct-2023 23:29	236_CCB.d	AG AS BA CD CR PB SE
CCV 21	1	04-Oct-2023 23:51	247_CCV.d	AG AS BA CD CR PB SE
CCB 19	1	04-Oct-2023 23:53	248_CCB.d	AG AS BA CD CR PB SE

FORM 13 - ANALYSIS RUN LOG

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900
Start Date: 04-Oct-2023 End Date: 05-Oct-2023

Run ID:ICPMS05_448148
Instrument:ICPMS05
Method:SW6020A

Sample No.	D/F	Time	FileID	Analytes
CCV 22	1	05-Oct-2023 00:14	259_CCV.d	AG AS BA CD CR PB SE
CCB 20	1	05-Oct-2023 00:16	260_CCB.d	AG AS BA CD CR PB SE
MBLK-201436	1	05-Oct-2023 00:18	261SMPL.d	AG AS BA CD CR PB SE
MBLKT1-201315	1	05-Oct-2023 00:20	262SMPL.d	AG AS BA CD CR PB SE
MBLKT2-201314	1	05-Oct-2023 00:22	263SMPL.d	AG AS BA CD CR PB SE
MBLKT3-201105	1	05-Oct-2023 00:24	264SMPL.d	AG AS BA CD CR PB SE
MBLKT4-200949	1	05-Oct-2023 00:26	265SMPL.d	AG AS BA CD CR PB SE
LCS-201436	1	05-Oct-2023 00:29	266SMPL.d	AG AS BA CD CR PB SE
CCV 23	1	05-Oct-2023 00:31	267_CCV.d	AG AS BA CD CR PB SE
CCB 21	1	05-Oct-2023 00:33	268_CCB.d	AG AS BA CD CR PB SE
OT-614	1	05-Oct-2023 00:35	269SMPL.d	AG AS BA CD CR PB SE
OT-614SD	5	05-Oct-2023 00:37	270SMPL.d	AG AS BA CD CR PB SE
OT-614MS	1	05-Oct-2023 00:39	271SMPL.d	AG AS BA CD CR PB SE
OT-614MSD	1	05-Oct-2023 00:41	272SMPL.d	AG AS BA CD CR PB SE
OT-614PDS	1	05-Oct-2023 00:43	273SMPL.d	AG BA CD CR PB
CCV 24	1	05-Oct-2023 00:45	274_CCV.d	AG AS BA CD CR PB SE
CCB 22	1	05-Oct-2023 00:47	275_CCB.d	AG AS BA CD CR PB SE
U-604	1	05-Oct-2023 00:49	276SMPL.d	AG AS BA CD CR PB SE
U-603	1	05-Oct-2023 00:51	277SMPL.d	AG AS BA CD CR PB SE
T-617	1	05-Oct-2023 00:53	278SMPL.d	AG AS BA CD CR PB SE
RT40925	1	05-Oct-2023 00:55	279SMPL.d	AG AS BA CD CR PB SE
RT5308	1	05-Oct-2023 00:57	280SMPL.d	AG AS BA CD CR PB SE
2715	1	05-Oct-2023 00:59	281SMPL.d	AG AS BA CD CR PB SE
RB22274	1	05-Oct-2023 01:01	282SMPL.d	AG AS BA CD CR PB SE
2127	1	05-Oct-2023 01:03	283SMPL.d	AG AS BA CD CR PB SE
11744479	1	05-Oct-2023 01:05	284SMPL.d	AG AS BA CD CR PB SE
RT577	1	05-Oct-2023 01:08	285SMPL.d	AG AS BA CD CR PB SE
CCV 25	1	05-Oct-2023 01:10	286_CCV.d	AG AS BA CD CR PB SE
CCB 23	1	05-Oct-2023 01:12	287_CCB.d	AG AS BA CD CR PB SE
CCV 26	1	05-Oct-2023 01:35	298_CCV.d	AG AS BA CD CR PB SE
CCB 24	1	05-Oct-2023 01:37	299_CCB.d	AG AS BA CD CR PB SE
CCV 27	1	05-Oct-2023 01:40	300_CCV.d	AG AS BA CD CR PB SE
CCB 25	1	05-Oct-2023 01:42	301_CCB.d	AG AS BA CD CR PB SE
LLICV2	1	05-Oct-2023 01:46	303LCV2.d	AG AS BA CD CR PB SE
LLICV5	1	05-Oct-2023 01:48	304LCV5.d	AG AS BA CD CR PB SE
ICSA	1	05-Oct-2023 01:50	305ICSA.d	AG AS BA CD CR PB SE
ICSAB	1	05-Oct-2023 01:52	306ICSB.d	AG AS BA CD CR PB SE

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

Run ID:ICPMS05_448148
Instrument:ICPMS05
Method:SW6020A

ICB	Date: 04-Oct-2023 13:36	Seq: 7584684	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Chromium	2.445	0.4	4	

CCB 1	Date: 04-Oct-2023 14:16	Seq: 7584793	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.632	0.4	2	
Chromium	2.382	0.4	4	

CCB 2	Date: 04-Oct-2023 14:41	Seq: 7584805	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.459	0.4	2	
Chromium	2.346	0.4	4	

CCB 3	Date: 04-Oct-2023 15:06	Seq: 7584921	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.526	0.4	2	
Chromium	2.274	0.4	4	

CCB 4	Date: 04-Oct-2023 15:27	Seq: 7585212	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.478	0.4	2	
Chromium	2.181	0.4	4	

CCB 5	Date: 04-Oct-2023 16:00	Seq: 7585330	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.652	0.4	2	
Chromium	2.11	0.4	4	

CCB 6	Date: 04-Oct-2023 16:19	Seq: 7585336	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.507	0.4	2	
Chromium	2.039	0.4	4	

CCB 7	Date: 04-Oct-2023 16:52	Seq: 7585577	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.476	0.4	2	
Chromium	2.026	0.4	4	

CCB 8	Date: 04-Oct-2023 17:35	Seq: 7585589	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.649	0.4	2	
Chromium	2.137	0.4	4	

ICCB 9	Date: 04-Oct-2023 18:33	Seq: 7586377	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Chromium	1.846	0.4	4	

CCB 10	Date: 04-Oct-2023 18:44	Seq: 7586380	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.481	0.4	2	
Chromium	1.768	0.4	4	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

Run ID:ICPMS05_448148
Instrument:ICPMS05
Method:SW6020A

CCB 11	Date: 04-Oct-2023 19:47	Seq: 7586386	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.542	0.4	2	
Chromium	1.903	0.4	4	

CCB 12	Date: 04-Oct-2023 20:07	Seq: 7586396	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.425	0.4	2	
Barium	11.57	1.9	4	
Chromium	1.945	0.4	4	

CCB 13	Date: 04-Oct-2023 20:35	Seq: 7586408	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.485	0.4	2	
Chromium	1.905	0.4	4	

CCB 14	Date: 04-Oct-2023 20:59	Seq: 7586420	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.669	0.4	2	
Chromium	2.05	0.4	4	

CCB 15	Date: 04-Oct-2023 21:21	Seq: 7586431	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.482	0.4	2	
Chromium	1.862	0.4	4	

ICCB 16	Date: 04-Oct-2023 23:05	Seq: 7586446	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Chromium	1.924	0.4	4	

CCB 17	Date: 04-Oct-2023 23:11	Seq: 7586449	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Chromium	1.949	0.4	4	

CCB 18	Date: 04-Oct-2023 23:29	Seq: 7586458	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.728	0.4	2	
Chromium	1.958	0.4	4	
Lead	0.734	0.6	2	
Selenium	1.365	1.1	2	

CCB 19	Date: 04-Oct-2023 23:53	Seq: 7586470	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.642	0.4	2	
Chromium	1.886	0.4	4	

CCB 20	Date: 05-Oct-2023 00:16	Seq: 7586482	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.537	0.4	2	
Chromium	1.667	0.4	4	
Lead	1.229	0.6	2	

CCB EXCEPTIONS REPORT

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

Run ID:ICPMS05_448148
Instrument:ICPMS05
Method:SW6020A

CCB 21	Date: 05-Oct-2023 00:33	Seq: 7586542	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.512	0.4	2	
Chromium	1.792	0.4	4	

CCB 22	Date: 05-Oct-2023 00:47	Seq: 7586549	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.573	0.4	2	
Chromium	1.748	0.4	4	

CCB 23	Date: 05-Oct-2023 01:12	Seq: 7586515	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.479	0.4	2	
Chromium	1.921	0.4	4	

CCB 24	Date: 05-Oct-2023 01:37	Seq: 7586527	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.491	0.4	2	
Chromium	1.797	0.4	4	

CCB 25	Date: 05-Oct-2023 01:42	Seq: 7586529	D/F: 1	Units: ug/L
Analyte	**Result**	**MDL**	**Report Limit**	
Arsenic	0.47	0.4	2	
Chromium	1.701	0.4	4	
Selenium	1.132	1.1	2	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23091900

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23091900-01	OT-614	Soil		29-Sep-2023 09:23	30-Sep-2023 08:45	☐
HS23091900-02	U-604	Soil		29-Sep-2023 09:24	30-Sep-2023 08:45	☐
HS23091900-03	U-603	Soil		29-Sep-2023 09:26	30-Sep-2023 08:45	☐
HS23091900-04	T-617	Soil		29-Sep-2023 09:27	30-Sep-2023 08:45	☐
HS23091900-05	RT40925	Soil		29-Sep-2023 09:45	30-Sep-2023 08:45	☐
HS23091900-06	RT5308	Soil		29-Sep-2023 10:04	30-Sep-2023 08:45	☐
HS23091900-07	2715	Soil		29-Sep-2023 10:05	30-Sep-2023 08:45	☐
HS23091900-08	RB22274	Soil		29-Sep-2023 10:06	30-Sep-2023 08:45	☐
HS23091900-09	2127	Soil		29-Sep-2023 10:07	30-Sep-2023 08:45	☐
HS23091900-10	11744479	Soil		29-Sep-2023 10:09	30-Sep-2023 08:45	☐
HS23091900-11	RT577	Soil		29-Sep-2023 10:10	30-Sep-2023 08:45	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: OT-614
Collection Date: 29-Sep-2023 09:23

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.00737**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:35
Barium	**0.349**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:35
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:35
Chromium	**0.0229**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:35
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 00:35
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:35
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:35
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 13:46

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: U-604
Collection Date: 29-Sep-2023 09:24

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.00576**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:49
Barium	**0.310**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:49
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:49
Chromium	**0.0240**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:49
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 00:49
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:49
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:49
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 13:48

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: U-603
Collection Date: 29-Sep-2023 09:26

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.00854**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:51
Barium	**0.272**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:51
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:51
Chromium	**0.0247**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:51
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 00:51
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:51
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:51
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 13:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: T-617
Collection Date: 29-Sep-2023 09:27

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.00869**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:53
Barium	**0.266**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:53
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:53
Chromium	**0.0243**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:53
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 00:53
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:53
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:53
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 13:51

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT40925
Collection Date: 29-Sep-2023 09:45

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-05
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0112**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:55
Barium	**0.678**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:55
Cadmium	**0.00247**	J	**0.00200**	**0.0500**	**mg/L**	1	05-Oct-2023 00:55
Chromium	**0.0237**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:55
Lead	**0.00893**	J	**0.00600**	**0.0500**	**mg/L**	1	05-Oct-2023 00:55
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:55
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:55
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:38

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT5308
Collection Date: 29-Sep-2023 10:04

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-06
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0105**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:57
Barium	**0.546**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:57
Cadmium	**0.00334**	J	**0.00200**	**0.0500**	**mg/L**	1	05-Oct-2023 00:57
Chromium	**0.0241**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:57
Lead	**0.00750**	J	**0.00600**	**0.0500**	**mg/L**	1	05-Oct-2023 00:57
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:57
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:57
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:47

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: 2715
Collection Date: 29-Sep-2023 10:05

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-07
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0103**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:59
Barium	**0.249**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 00:59
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:59
Chromium	**0.0266**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 00:59
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 00:59
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 00:59
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 00:59
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:49

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RB22274
Collection Date: 29-Sep-2023 10:06

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-08
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0113**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:01
Barium	**0.461**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 01:01
Cadmium	**0.00256**	J	**0.00200**	**0.0500**	**mg/L**	1	05-Oct-2023 01:01
Chromium	**0.0236**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:01
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 01:01
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 01:01
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:01
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:56

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: 2127
Collection Date: 29-Sep-2023 10:07

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-09
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0159**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:03
Barium	**0.451**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 01:03
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:03
Chromium	**0.0368**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:03
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 01:03
Selenium	**0.0111**	J	**0.0110**	**0.0500**	**mg/L**	1	05-Oct-2023 01:03
Silver	**0.249**		**0.00200**	**0.0500**	**mg/L**	1	05-Oct-2023 01:03
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:57

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: 11744479
Collection Date: 29-Sep-2023 10:09

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-10
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.00905**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:05
Barium	**0.216**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 01:05
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:05
Chromium	**0.0231**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:05
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 01:05
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 01:05
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:05
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 14:59

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: RT577
Collection Date: 29-Sep-2023 10:10

ANALYTICAL REPORT
WorkOrder:HS23091900
Lab ID:HS23091900-11
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 03-Oct-2023	Prep:SW3010A / 04-Oct-2023			Analyst: JC
Arsenic	**0.0104**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:08
Barium	**0.227**		**0.0190**	**0.200**	**mg/L**	1	05-Oct-2023 01:08
Cadmium	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:08
Chromium	**0.0250**	J	**0.00400**	**0.0500**	**mg/L**	1	05-Oct-2023 01:08
Lead	U		0.00600	0.0500	mg/L	1	05-Oct-2023 01:08
Selenium	U		0.0110	0.0500	mg/L	1	05-Oct-2023 01:08
Silver	U		0.00200	0.0500	mg/L	1	05-Oct-2023 01:08
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 03-Oct-2023	Prep:SW7470A / 05-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	05-Oct-2023 15:01

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

Batch ID: 201311 **Start Date:** 02 Oct 2023 15:00 **End Date:** 02 Oct 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-11		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201313 **Start Date:** 02 Oct 2023 15:00 **End Date:** 02 Oct 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201314 **Start Date:** 02 Oct 2023 15:00 **End Date:** 02 Oct 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-01		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-02		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-03		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-04		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-07		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-10		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-11		25 (grams)	500 (mL)	20	4-oz glass, Neat

Batch ID: 201315 **Start Date:** 02 Oct 2023 15:00 **End Date:** 02 Oct 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-05		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-06		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-08		25 (grams)	500 (mL)	20	4-oz glass, Neat
HS23091900-09		25 (grams)	500 (mL)	20	4-oz glass, Neat

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

Batch ID: 201436 **Start Date:** 04 Oct 2023 16:30 **End Date:** 04 Oct 2023 16:30
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-04		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-05		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-06		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-07		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-08		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-09		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-10		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23091900-11		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 201473 **Start Date:** 05 Oct 2023 08:30 **End Date:** 05 Oct 2023 08:30
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-04		10 (mL)	10 (mL)	1	4-oz glass, Neat

Batch ID: 201475 **Start Date:** 05 Oct 2023 09:00 **End Date:** 05 Oct 2023 09:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23091900-05		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-06		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-07		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-08		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-09		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-10		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23091900-11		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 201436 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23091900-01	OT-614	29 Sep 2023 09:23	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:35	1
HS23091900-02	U-604	29 Sep 2023 09:24	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:49	1
HS23091900-03	U-603	29 Sep 2023 09:26	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:51	1
HS23091900-04	T-617	29 Sep 2023 09:27	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:53	1
HS23091900-05	RT40925	29 Sep 2023 09:45	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:55	1
HS23091900-06	RT5308	29 Sep 2023 10:04	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:57	1
HS23091900-07	2715	29 Sep 2023 10:05	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 00:59	1
HS23091900-08	RB22274	29 Sep 2023 10:06	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 01:01	1
HS23091900-09	2127	29 Sep 2023 10:07	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 01:03	1
HS23091900-10	11744479	29 Sep 2023 10:09	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 01:05	1
HS23091900-11	RT577	29 Sep 2023 10:10	03 Oct 2023 08:00	04 Oct 2023 16:30	05 Oct 2023 01:08	1
Batch ID: 201473 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23091900-01	OT-614	29 Sep 2023 09:23	03 Oct 2023 08:00	05 Oct 2023 08:30	05 Oct 2023 13:46	1
HS23091900-02	U-604	29 Sep 2023 09:24	03 Oct 2023 08:00	05 Oct 2023 08:30	05 Oct 2023 13:48	1
HS23091900-03	U-603	29 Sep 2023 09:26	03 Oct 2023 08:00	05 Oct 2023 08:30	05 Oct 2023 13:49	1
HS23091900-04	T-617	29 Sep 2023 09:27	03 Oct 2023 08:00	05 Oct 2023 08:30	05 Oct 2023 13:51	1
Batch ID: 201475 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23091900-05	RT40925	29 Sep 2023 09:45	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:38	1
HS23091900-06	RT5308	29 Sep 2023 10:04	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:47	1
HS23091900-07	2715	29 Sep 2023 10:05	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:49	1
HS23091900-08	RB22274	29 Sep 2023 10:06	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:56	1
HS23091900-09	2127	29 Sep 2023 10:07	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:57	1
HS23091900-10	11744479	29 Sep 2023 10:09	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 14:59	1
HS23091900-11	RT577	29 Sep 2023 10:10	03 Oct 2023 08:00	05 Oct 2023 09:00	05 Oct 2023 15:01	1

WorkOrder: HS23091900
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000930	0.0000300	0.000200

WorkOrder: HS23091900
InstrumentID: ICPMS05
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00112	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00239	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000494	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00110	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00120	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00210	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000491	0.000200	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201436 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT1-201315** Units: **mg/L** Analysis Date: **05-Oct-2023 00:20**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586536** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.02139	0.0500								J
Lead	0.00637	0.0500								J
Selenium	U	0.0500								
Silver	0.00358	0.0500								J

MBLK Sample ID: **MBLKT3-201105** Units: **mg/L** Analysis Date: **05-Oct-2023 00:24**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586538** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.0217	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-200949** Units: **mg/L** Analysis Date: **05-Oct-2023 00:26**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586539** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.02094	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201436 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-201314** Units: **mg/L** Analysis Date: **05-Oct-2023 00:22**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586537** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	0.02187	0.0500								J
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-201436** Units: **mg/L** Analysis Date: **05-Oct-2023 12:01**
Client ID: Run ID: **ICPMS07_448233** SeqNo: **7587436** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

MBLK Sample ID: **MBLK-201436** Units: **mg/L** Analysis Date: **05-Oct-2023 00:18**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586535** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	0.004184	0.00500								J
Lead	0.001096	0.00500								J
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201436 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-201436** Units: **mg/L** Analysis Date: **05-Oct-2023 00:29**
Client ID: Run ID: **ICPMS05_448148** SeqNo: **7586540** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05001	0.00500	0.05	0	100	80 - 120				
Barium	0.04652	0.0200	0.05	0	93.0	80 - 120				
Cadmium	0.04851	0.00500	0.05	0	97.0	80 - 120				
Chromium	0.04666	0.00500	0.05	0	93.3	80 - 120				
Lead	0.04715	0.00500	0.05	0	94.3	80 - 120				
Selenium	0.0479	0.00500	0.05	0	95.8	80 - 120				
Silver	0.04756	0.00500	0.05	0	95.1	80 - 120				

MS Sample ID: **HS23091900-01MS** Units: **mg/L** Analysis Date: **05-Oct-2023 00:39**
Client ID: **OT-614** Run ID: **ICPMS05_448148** SeqNo: **7586545** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5306	0.0500	0.5	0.00737	105	80 - 120				
Barium	0.8687	0.200	0.5	0.3486	104	80 - 120				
Cadmium	0.4955	0.0500	0.5	0.00026	99.0	80 - 120				
Chromium	0.498	0.0500	0.5	0.0229	95.0	80 - 120				
Lead	0.4949	0.0500	0.5	0.00361	98.3	80 - 120				
Selenium	0.513	0.0500	0.5	0.00824	101	80 - 120				
Silver	0.4872	0.0500	0.5	0.00036	97.4	80 - 120				

MSD Sample ID: **HS23091900-01MSD** Units: **mg/L** Analysis Date: **05-Oct-2023 00:41**
Client ID: **OT-614** Run ID: **ICPMS05_448148** SeqNo: **7586546** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5407	0.0500	0.5	0.00737	107	80 - 120	0.5306	1.89	20	
Barium	0.8771	0.200	0.5	0.3486	106	80 - 120	0.8687	0.96	20	
Cadmium	0.4918	0.0500	0.5	0.00026	98.3	80 - 120	0.4955	0.737	20	
Chromium	0.502	0.0500	0.5	0.0229	95.8	80 - 120	0.498	0.796	20	
Lead	0.4962	0.0500	0.5	0.00361	98.5	80 - 120	0.4949	0.256	20	
Selenium	0.5184	0.0500	0.5	0.00824	102	80 - 120	0.513	1.05	20	
Silver	0.4793	0.0500	0.5	0.00036	95.8	80 - 120	0.4872	1.64	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201436 (0) **Instrument: ICPMS05** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23091900-01PDS** Units: **mg/L** Analysis Date: **05-Oct-2023 00:43**
Client ID: **OT-614** Run ID: **ICPMS05_448148** SeqNo: **7586547** PrepDate: **04-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Barium	1.523	0.200	1	0.3486	117	75 - 125				
Cadmium	1.176	0.0500	1	0.00026	118	75 - 125				
Chromium	1.169	0.0500	1	0.0229	115	75 - 125				
Lead	1.142	0.0500	1	0.00361	114	75 - 125				
Silver	1.111	0.0500	1	0.00036	111	75 - 125				

SD Sample ID: **HS23091900-01SD** Units: **mg/L** Analysis Date: **05-Oct-2023 00:37**
Client ID: **OT-614** Run ID: **ICPMS05_448148** SeqNo: **7586544** PrepDate: **04-Oct-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	0.03841	0.250					0.00737	0	10	J
Barium	0.3445	1.00					0.3486	0	10	J
Cadmium	U	0.250					0.00026	0	10	
Chromium	0.09882	0.250					0.0229	0	10	J
Lead	U	0.250					0.00361	0	10	
Selenium	U	0.250					0.00824	0	10	
Silver	U	0.250					0.00036	0	10	

The following samples were analyzed in this batch:

HS23091900-01	HS23091900-02	HS23091900-03	HS23091900-04
HS23091900-05	HS23091900-06	HS23091900-07	HS23091900-08
HS23091900-09	HS23091900-10	HS23091900-11	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201473 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-201019** Units: **mg/L** Analysis Date: **05-Oct-2023 12:56**
Client ID: Run ID: **HG04_448236** SeqNo: **7588266** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-201228** Units: **mg/L** Analysis Date: **05-Oct-2023 12:59**
Client ID: Run ID: **HG04_448236** SeqNo: **7588268** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-201311** Units: **mg/L** Analysis Date: **05-Oct-2023 13:03**
Client ID: Run ID: **HG04_448236** SeqNo: **7588236** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-201313** Units: **mg/L** Analysis Date: **05-Oct-2023 13:01**
Client ID: Run ID: **HG04_448236** SeqNo: **7588235** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-201182** Units: **mg/L** Analysis Date: **05-Oct-2023 12:57**
Client ID: Run ID: **HG04_448236** SeqNo: **7588267** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-201017** Units: **mg/L** Analysis Date: **05-Oct-2023 12:54**
Client ID: Run ID: **HG04_448236** SeqNo: **7588265** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201473 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-201473** Units: **mg/L** Analysis Date: **05-Oct-2023 12:48**
Client ID: Run ID: **HG04_448236** SeqNo: **7588263** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-201473** Units: **mg/L** Analysis Date: **05-Oct-2023 12:52**
Client ID: Run ID: **HG04_448236** SeqNo: **7588264** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00561	0.000200	0.005	0	112	80 - 120				

MS Sample ID: **HS23091900-04MS** Units: **mg/L** Analysis Date: **05-Oct-2023 13:53**
Client ID: **T-617** Run ID: **HG04_448236** SeqNo: **7588261** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00551	0.000200	0.005	0.000012	110	75 - 125				

MSD Sample ID: **HS23091900-04MSD** Units: **mg/L** Analysis Date: **05-Oct-2023 13:57**
Client ID: **T-617** Run ID: **HG04_448236** SeqNo: **7588262** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00548	0.000200	0.005	0.000012	109	75 - 125	0.00551	0.546	20	

The following samples were analyzed in this batch: HS23091900-01 HS23091900-02 HS23091900-03 HS23091900-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201475 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-201311** Units: **mg/L** Analysis Date: **05-Oct-2023 14:12**
Client ID: Run ID: **HG04_448236** SeqNo: **7588274** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-201104** Units: **mg/L** Analysis Date: **05-Oct-2023 14:16**
Client ID: Run ID: **HG04_448236** SeqNo: **7588276** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-200948** Units: **mg/L** Analysis Date: **05-Oct-2023 14:14**
Client ID: Run ID: **HG04_448236** SeqNo: **7588275** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-201313** Units: **mg/L** Analysis Date: **05-Oct-2023 14:11**
Client ID: Run ID: **HG04_448236** SeqNo: **7588273** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLK-201475** Units: **mg/L** Analysis Date: **05-Oct-2023 14:04**
Client ID: Run ID: **HG04_448236** SeqNo: **7588271** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

LCS Sample ID: **LCS-201475** Units: **mg/L** Analysis Date: **05-Oct-2023 14:09**
Client ID: Run ID: **HG04_448236** SeqNo: **7588272** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00532	0.000200	0.005	0	106	80 - 120				

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23091900

QC BATCH REPORT

Batch ID: 201475 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MS Sample ID: **HS23091900-05MS** Units: **mg/L** Analysis Date: **05-Oct-2023 14:42**
Client ID: **RT40925** Run ID: **HG04_448236** SeqNo: **7588289** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0.000009	98.8	75 - 125				

MSD Sample ID: **HS23091900-05MSD** Units: **mg/L** Analysis Date: **05-Oct-2023 14:45**
Client ID: **RT40925** Run ID: **HG04_448236** SeqNo: **7588290** PrepDate: **05-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00495	0.000200	0.005	0.000009	98.8	75 - 125	0.00495	0	20	

The following samples were analyzed in this batch: HS23091900-05 HS23091900-06 HS23091900-07 HS23091900-08 HS23091900-09 HS23091900-10 HS23091900-11

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23091900**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23091900 **Date/Time Received:** **30-Sep-2023 08:45**

Client Name: Golder St Louis **Received by:** **Corey Grandits**

Completed By:	/S/ Corey Grandits	28-Sep-2023 18:21	**Reviewed by:**	/S/ Tyler Monroe	03-Oct-2023 12:42
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **S** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	2 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298119 , 298118
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	2.0UC/1.9C	IR31	
Cooler(s)/Kit(s):	51016		
Date/Time sample(s) sent to storage:	9/30/23		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 298119

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	ICP_TW (6020 As, Cd, Pb, Sb, Se)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	William Wedge	Invoice Attn	Accounts Payable WSP	D	
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	**HS23091900**
				F	WSP Golder
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	Frisco Pre-Excavation Soil
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennys@WSP.com	Fax		I	
e-Mail Address	~~William.Wedge@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	OT-614	9-29-23	0923	Soil	8	1	X										
2	U-604		0924														
3	U-603		0926														
4	T-617		0927														
5	RT40925		0945														
6	RT5308		1004														
7	2715		1005														
8	RB22274		1006														
9	2127		1007														
10	11744479		1009														

Sampler(s) Please Print & Sign: William Wedge WW WW

Shipment Method:

Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other

Results Due Date: ASAP

Relinquished by:	Date:	Time:	Received by:
WW WW	9-29-23	1115	
Relinquished by:	Date:	Time:	Received by (Laboratory): CH 9-30-23 0845
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):

Notes: Frisco Pre-Excavation

Cooler ID	Cooler Temp.
5101	2.1°
1021	

QC Package: (Check One Box Below)
☐ Level I Std QC ☒ TRRP Checklist
☐ Level II Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

COC ID: 298118

ALS Project Manager:		ALS Work Order #:	

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470 -TCLP RCRA 8
Work Order		Project Number		B	ICP_TW (6020 As, Cd, Pb, Sb, Se)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	William Wedge	Invoice Attn	Accounts Payable WSP	D	
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	**HS23091900**
				F	WSP Golder
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	Frisco Pre-Excavation Soil
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	William_Wedge@golder.com	e-Mail Address	USENVAccountspayable@wsp.com	J	

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	RT 577	9-29-23	1010	Soil	8	1	X										
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign	Shipment Method	Required Turnaround Time: (Check Box)	Results Due Date:
William Wedge	FedEx	☐ STD 10 Wk Days ☒ 5 Wk Days ☐ Other ☐ 2 Wk Days ☐ 24 Hour	ASAP

Relinquished by:	Date:	Time:	Received by:	Notes: Frisco Pre-Excavation
	9-29-23	1115		
Relinquished by:	Date:	Time:	Received by (Laboratory):	Cooler ID / Cooler Temp.
			9.30-23 0845	
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	QC Package: (Check One Box Below)
				☐ Level II Std QC ☒ TRRP Checklist ☐ Level III Std QC/Raw Data ☐ TRRP Level IV ☐ Level IV SW846/CLP ☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51016

CUSTODY SEAL

Date: 9.29.23 Time:
Name: WK
Company: WSP

Seal Broken By:
Date: 09130123

51016 SEP 30 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51016

Date:
Name:
Comp

CUSTODY SEAL

Time:

Seal Broken By:
Date: 09130123

Part # 159469-434 MTW EXP 01/24

ALS

51016

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 26SEP23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

TO SHIPPING DEPT
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: FRISCO PRE-EXCAVA=BO 95858-TM

RMA:

FedEx Express

TRK# 0221 6862 6797 3615

RETURNS MON-SAT
PRIORITY OVERNIGHT
SATURDAY 12:00P
PRIORITY OVERNIGHT

FedEx
TRK# 0221 6862 6797 3615

43 SGRA

77099
TX-US IAH

EXP 08/24

10450 Stancliff Rd. Suite 210
Houston, TX 77099
T: +1 281 530 5656
F: +1 281 530 5887

October 09, 2023

William Wedge
WSP Golder
701 Emerson Road Suite 250
Creve Coeur, MO 63141

Work Order: **HS23100244**

Laboratory Results for: **Frisco Pre-Excavation Soil**

Dear William Wedge,

ALS Environmental received 4 sample(s) on Oct 04, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: DAYNA.FISHER
Tyler Monroe

Client:	WSP Golder	**TRRP Laboratory Data Package Cover Page**
Project:	Frisco Pre-Excavation Soil	
WorkOrder:	**HS23100244**	

This data package consists of all or some of the following as applicable:

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 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.

Client:	WSP Golder
Project:	Frisco Pre-Excavation Soil
WorkOrder:	**HS23100244**

TRRP Laboratory Data Package Cover Page

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 attached exception reports. By my signature below, I affirm to the best of my knowledge, all problems/anomalies, observed by the laboratory have been identified by the laboratory in the Laboratory Review Checklist, and no information affecting the quality of the data has been knowingly withheld.

Check, if applicable: [NA] This laboratory meets an exception under 30 TAC §25.6 and was last inspected by [ ] TCEQ or [ ] _____ on (enter date of last inspection). 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.

Tyler Monroe

Laboratory Review Checklist: Reportable Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 10/09/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23100244				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 201564, 201636				
#[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 SW-846 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 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				
		Were all necessary corrective actions performed for the reported data?	X				
		Was applicable and available technology used to lower the SDL and minimize the matrix interference affects on the sample results?	X				
		Is the laboratory NELAC-accredited under the Texas Laboratory Program for the analytes, matrices and methods associated with this laboratory data package?	X				

Laboratory Review Checklist: Supporting Data							
Laboratory Name: ALS Laboratory Group			LRC Date: 10/09/2023				
Project Name: Frisco Pre-Excavation Soil			Laboratory Job Number: HS23100244				
Reviewer Name: Tyler Monroe			Prep Batch Number(s): 201564, 201636				
#[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)**					
		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				

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = 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: ALS Laboratory Group	LRC Date: 10/09/2023
Project Name: Frisco Pre-Excavation Soil	Laboratory Job Number: HS23100244
Reviewer Name: Tyler Monroe	Prep Batch Number(s): 201564, 201636

ER#[5]	Description
	No Exceptions

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.
O = Organic Analyses; I = Inorganic Analyses (and general chemistry, when applicable);
NA = Not Applicable;
NR = Not Reviewed;
R# = Exception Report identification number (an Exception Report should be completed for an item if "NR" or "No" is checked).

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Work Order: HS23100244

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23100244-01	SP-52-Treated	Soil		03-Oct-2023 09:04	04-Oct-2023 09:10	☐
HS23100244-02	SP-47-Treated	Soil		03-Oct-2023 09:02	04-Oct-2023 09:10	☐
HS23100244-03	SP-31/45-Treated	Soil		03-Oct-2023 09:01	04-Oct-2023 09:10	☐
HS23100244-04	SP-8-Treated	Soil		03-Oct-2023 09:00	04-Oct-2023 09:10	☐

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-52-Treated
Collection Date: 03-Oct-2023 09:04

ANALYTICAL REPORT
WorkOrder:HS23100244
Lab ID:HS23100244-01
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 06-Oct-2023	Prep:SW3010A / 06-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:30
Barium	**0.321**		**0.0190**	**0.200**	**mg/L**	1	06-Oct-2023 19:30
Cadmium	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:30
Chromium	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:30
Lead	U		0.00600	0.0500	mg/L	1	06-Oct-2023 19:30
Selenium	U		0.0110	0.0500	mg/L	1	06-Oct-2023 19:30
Silver	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:30
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 06-Oct-2023	Prep:SW7470A / 09-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2023 13:26

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-47-Treated
Collection Date: 03-Oct-2023 09:02

ANALYTICAL REPORT
WorkOrder:HS23100244
Lab ID:HS23100244-02
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**		Leache:SW1311 / 06-Oct-2023	Prep:SW3010A / 06-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:33
Barium	**0.756**		**0.0190**	**0.200**	**mg/L**	1	06-Oct-2023 19:33
Cadmium	**0.00683**	J	**0.00200**	**0.0500**	**mg/L**	1	06-Oct-2023 19:33
Chromium	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:33
Lead	**0.0674**		**0.00600**	**0.0500**	**mg/L**	1	06-Oct-2023 19:33
Selenium	U		0.0110	0.0500	mg/L	1	06-Oct-2023 19:33
Silver	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:33
TCLP MERCURY BY SW7470A	**Method:SW7470A**		Leache:SW1311 / 06-Oct-2023	Prep:SW7470A / 09-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2023 13:28

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-31/45-Treated
Collection Date: 03-Oct-2023 09:01

ANALYTICAL REPORT
WorkOrder:HS23100244
Lab ID:HS23100244-03
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A		**Method:SW1311/6020**	Leache:SW1311 / 06-Oct-2023	Prep:SW3010A / 06-Oct-2023			Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:35
Barium	**0.319**		**0.0190**	**0.200**	**mg/L**	1	06-Oct-2023 19:35
Cadmium	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:35
Chromium	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:35
Lead	U		0.00600	0.0500	mg/L	1	06-Oct-2023 19:35
Selenium	U		0.0110	0.0500	mg/L	1	06-Oct-2023 19:35
Silver	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:35
TCLP MERCURY BY SW7470A		**Method:SW7470A**	Leache:SW1311 / 06-Oct-2023	Prep:SW7470A / 09-Oct-2023			Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2023 13:30

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
Sample ID: SP-8-Treated
Collection Date: 03-Oct-2023 09:00

ANALYTICAL REPORT
WorkOrder:HS23100244
Lab ID:HS23100244-04
Matrix:Soil

ANALYSES	RESULT	QUAL	SDL	MQL	UNITS	DILUTION FACTOR	DATE ANALYZED
TCLP METALS BY SW6020A	**Method:SW1311/6020**			Leache:SW1311 / 06-Oct-2023	Prep:SW3010A / 06-Oct-2023		Analyst: MSC
Arsenic	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:44
Barium	**0.467**		**0.0190**	**0.200**	**mg/L**	1	06-Oct-2023 19:44
Cadmium	**0.00402**	J	**0.00200**	**0.0500**	**mg/L**	1	06-Oct-2023 19:44
Chromium	U		0.00400	0.0500	mg/L	1	06-Oct-2023 19:44
Lead	U		0.00600	0.0500	mg/L	1	06-Oct-2023 19:44
Selenium	U		0.0110	0.0500	mg/L	1	06-Oct-2023 19:44
Silver	U		0.00200	0.0500	mg/L	1	06-Oct-2023 19:44
TCLP MERCURY BY SW7470A	**Method:SW7470A**			Leache:SW1311 / 06-Oct-2023	Prep:SW7470A / 09-Oct-2023		Analyst: JS
Mercury	U		0.0000300	0.000200	mg/L	1	09-Oct-2023 13:31

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Weight / Prep Log

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

Batch ID: 201530 **Start Date:** 05 Oct 2023 15:00 **End Date:** 05 Oct 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-01		100 (grams)	2000 (mL)	20	4-oz glass, Neat
HS23100244-03		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 201532 **Start Date:** 05 Oct 2023 15:00 **End Date:** 05 Oct 2023 15:00
Method: TCLP MERCURY EXTRACTION BY SW1311 **Prep Code:** 1311LHG EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-02		100 (grams)	2000 (mL)	20	4-oz glass, Neat
HS23100244-04		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 201534 **Start Date:** 05 Oct 2023 15:00 **End Date:** 05 Oct 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-01		100 (grams)	2000 (mL)	20	4-oz glass, Neat
HS23100244-03		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 201535 **Start Date:** 05 Oct 2023 15:00 **End Date:** 05 Oct 2023 15:00
Method: TCLP METALS EXTRACTION BY SW1311 **Prep Code:** 1311LM EXT

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-02		100 (grams)	2000 (mL)	20	4-oz glass, Neat
HS23100244-04		100 (grams)	2000 (mL)	20	4-oz glass, Neat

Batch ID: 201564 **Start Date:** 06 Oct 2023 16:00 **End Date:** 06 Oct 2023 16:00
Method: TCLP LEACHATE DIGESTION BY SW3010A **Prep Code:** 3010A_TCLP

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-01		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23100244-02		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23100244-03		1 (mL)	10 (mL)	10	4-oz glass, Neat
HS23100244-04		1 (mL)	10 (mL)	10	4-oz glass, Neat

Batch ID: 201636 **Start Date:** 09 Oct 2023 08:00 **End Date:** 09 Oct 2023 08:00
Method: MERCURY TCLP PREP BY SW7470A **Prep Code:** 1311_HGPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23100244-01		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23100244-02		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23100244-03		10 (mL)	10 (mL)	1	4-oz glass, Neat
HS23100244-04		10 (mL)	10 (mL)	1	4-oz glass, Neat

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 201564 (0)	**Test Name :** TCLP METALS BY SW6020A				**Matrix:** Soil	
HS23100244-01	SP-52-Treated	03 Oct 2023 09:04	06 Oct 2023 08:00	06 Oct 2023 16:00	06 Oct 2023 19:30	1
HS23100244-02	SP-47-Treated	03 Oct 2023 09:02	06 Oct 2023 08:00	06 Oct 2023 16:00	06 Oct 2023 19:33	1
HS23100244-03	SP-31/45-Treated	03 Oct 2023 09:01	06 Oct 2023 08:00	06 Oct 2023 16:00	06 Oct 2023 19:35	1
HS23100244-04	SP-8-Treated	03 Oct 2023 09:00	06 Oct 2023 08:00	06 Oct 2023 16:00	06 Oct 2023 19:44	1
Batch ID: 201636 (0)	**Test Name :** TCLP MERCURY BY SW7470A				**Matrix:** Soil	
HS23100244-01	SP-52-Treated	03 Oct 2023 09:04	06 Oct 2023 08:00	09 Oct 2023 08:00	09 Oct 2023 13:26	1
HS23100244-02	SP-47-Treated	03 Oct 2023 09:02	06 Oct 2023 08:00	09 Oct 2023 08:00	09 Oct 2023 13:28	1
HS23100244-03	SP-31/45-Treated	03 Oct 2023 09:01	06 Oct 2023 08:00	09 Oct 2023 08:00	09 Oct 2023 13:30	1
HS23100244-04	SP-8-Treated	03 Oct 2023 09:00	06 Oct 2023 08:00	09 Oct 2023 08:00	09 Oct 2023 13:31	1

WorkOrder: HS23100244
InstrumentID: HG04
Test Code: 1311_HG
Test Number: SW7470A
Test Name: TCLP Mercury by SW7470A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Mercury	7439-97-6	0.000100	0.0000920	0.0000300	0.000200

WorkOrder: HS23100244
InstrumentID: ICPMS07
Test Code: 1311_METALS_HS
Test Number: SW1311/6020
Test Name: TCLP Metals by SW6020A

METHOD DETECTION / REPORTING LIMITS

Matrix: Leachate **Units:** mg/L

Type	Analyte	CAS	DCS Spike	DCS	MDL	PQL
A	Arsenic	7440-38-2	0.00125	0.00132	0.000400	0.00500
A	Barium	7440-39-3	0.00250	0.00259	0.00190	0.0200
A	Cadmium	7440-43-9	0.000500	0.000594	0.000200	0.00500
A	Chromium	7440-47-3	0.00125	0.00121	0.000400	0.00500
A	Lead	7439-92-1	0.00125	0.00124	0.000600	0.00500
A	Selenium	7782-49-2	0.00250	0.00321	0.00110	0.00500
A	Silver	7440-22-4	0.000500	0.000542	0.000200	0.00500

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201564 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT2-201465** Units: **mg/L** Analysis Date: **06-Oct-2023 18:00**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591828** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT4-201129** Units: **mg/L** Analysis Date: **06-Oct-2023 18:04**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591830** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT6-201530** Units: **mg/L** Analysis Date: **06-Oct-2023 18:22**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591842** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201564 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT8-201535** Units: **mg/L** Analysis Date: **06-Oct-2023 18:27**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591844** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT7-201534** Units: **mg/L** Analysis Date: **06-Oct-2023 18:25**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591843** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT5-201105** Units: **mg/L** Analysis Date: **06-Oct-2023 18:06**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591831** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	0.02556	0.200								J
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201564 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

MBLK Sample ID: **MBLKT3-201469** Units: **mg/L** Analysis Date: **06-Oct-2023 18:02**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591829** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLKT1-201314** Units: **mg/L** Analysis Date: **06-Oct-2023 17:57**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591827** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.0500								
Barium	U	0.200								
Cadmium	U	0.0500								
Chromium	U	0.0500								
Lead	U	0.0500								
Selenium	U	0.0500								
Silver	U	0.0500								

MBLK Sample ID: **MBLK-201564** Units: **mg/L** Analysis Date: **06-Oct-2023 17:55**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591826** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	U	0.00500								
Barium	U	0.0200								
Cadmium	U	0.00500								
Chromium	U	0.00500								
Lead	U	0.00500								
Selenium	U	0.00500								
Silver	U	0.00500								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201564 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

LCS Sample ID: **LCS-201564** Units: **mg/L** Analysis Date: **06-Oct-2023 18:09**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7591832** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.05183	0.00500	0.05	0	104	80 - 120				
Barium	0.04928	0.0200	0.05	0	98.6	80 - 120				
Cadmium	0.05058	0.00500	0.05	0	101	80 - 120				
Chromium	0.04845	0.00500	0.05	0	96.9	80 - 120				
Lead	0.04506	0.00500	0.05	0	90.1	80 - 120				
Selenium	0.05119	0.00500	0.05	0	102	80 - 120				
Silver	0.04741	0.00500	0.05	0	94.8	80 - 120				

MS Sample ID: **HS23091628-01MS** Units: **mg/L** Analysis Date: **06-Oct-2023 18:54**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7592390** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.4904	0.0500	0.5	0.00062	98.0	80 - 120				
Barium	0.9387	0.200	0.5	0.4314	101	80 - 120				
Cadmium	0.4877	0.0500	0.5	0.00011	97.5	80 - 120				
Chromium	0.458	0.0500	0.5	-0.00058	91.7	80 - 120				
Lead	0.4454	0.0500	0.5	0.00083	88.9	80 - 120				
Selenium	0.4853	0.0500	0.5	-0.00676	98.4	80 - 120				
Silver	0.4533	0.0500	0.5	0.00015	90.6	80 - 120				

MSD Sample ID: **HS23091628-01MSD** Units: **mg/L** Analysis Date: **06-Oct-2023 18:56**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7592391** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	0.5318	0.0500	0.5	0.00062	106	80 - 120	0.4904	8.1	20	
Barium	0.9613	0.200	0.5	0.4314	106	80 - 120	0.9387	2.38	20	
Cadmium	0.4995	0.0500	0.5	0.00011	99.9	80 - 120	0.4877	2.39	20	
Chromium	0.5104	0.0500	0.5	-0.00058	102	80 - 120	0.458	10.8	20	
Lead	0.4605	0.0500	0.5	0.00083	91.9	80 - 120	0.4454	3.33	20	
Selenium	0.5029	0.0500	0.5	-0.00676	102	80 - 120	0.4853	3.55	20	
Silver	0.4671	0.0500	0.5	0.00015	93.4	80 - 120	0.4533	3.01	20	

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201564 (0) **Instrument: ICPMS07** **Method: TCLP METALS BY SW6020A**

PDS Sample ID: **HS23091628-01PDS** Units: **mg/L** Analysis Date: **06-Oct-2023 18:59**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7592392** PrepDate: **06-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	1.082	0.0500	1	0.00062	108	75 - 125				
Barium	1.477	0.200	1	0.4314	105	75 - 125				
Cadmium	1.015	0.0500	1	0.00011	101	75 - 125				
Chromium	0.9925	0.0500	1	-0.00058	99.3	75 - 125				
Lead	0.9735	0.0500	1	0.00083	97.3	75 - 125				
Selenium	1.072	0.0500	1	-0.00676	108	75 - 125				
Silver	0.9116	0.0500	1	0.00015	91.1	75 - 125				

SD Sample ID: **HS23091628-01SD** Units: **mg/L** Analysis Date: **06-Oct-2023 18:52**
Client ID: Run ID: **ICPMS07_448340** SeqNo: **7592389** PrepDate: **06-Oct-2023** DF: **5**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%D	%D Limit	Qual
Arsenic	U	0.250					0.00062	0	10	
Barium	0.4221	1.00					0.4314	0	10	J
Cadmium	U	0.250					0.00011	0	10	
Chromium	U	0.250					-0.00058	0	10	
Lead	U	0.250					0.00083	0	10	
Selenium	U	0.250					-0.00676	0	10	
Silver	U	0.250					0.00015	0	10	

The following samples were analyzed in this batch: HS23100244-01 HS23100244-02 HS23100244-03 HS23100244-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201636 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLKT2-201468** Units: **mg/L** Analysis Date: **09-Oct-2023 12:36**
Client ID: Run ID: **HG04_448545** SeqNo: **7595035** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT4-201463** Units: **mg/L** Analysis Date: **09-Oct-2023 12:39**
Client ID: Run ID: **HG04_448545** SeqNo: **7595037** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT6-201532** Units: **mg/L** Analysis Date: **09-Oct-2023 12:43**
Client ID: Run ID: **HG04_448545** SeqNo: **7595039** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT5-201228** Units: **mg/L** Analysis Date: **09-Oct-2023 12:41**
Client ID: Run ID: **HG04_448545** SeqNo: **7595038** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT3-201311** Units: **mg/L** Analysis Date: **09-Oct-2023 12:38**
Client ID: Run ID: **HG04_448545** SeqNo: **7595036** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

MBLK Sample ID: **MBLKT1-201530** Units: **mg/L** Analysis Date: **09-Oct-2023 12:34**
Client ID: Run ID: **HG04_448545** SeqNo: **7595034** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result	MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U	0.000200								

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: HS23100244

QC BATCH REPORT

Batch ID: 201636 (0) **Instrument: HG04** **Method: TCLP MERCURY BY SW7470A**

MBLK Sample ID: **MBLK-201636** Units: **mg/L** Analysis Date: **09-Oct-2023 12:29**
Client ID: Run ID: **HG04_448545** SeqNo: **7595032** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result		MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	U		0.000200								

LCS Sample ID: **LCS-201636** Units: **mg/L** Analysis Date: **09-Oct-2023 12:32**
Client ID: Run ID: **HG04_448545** SeqNo: **7595033** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result		MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.0053		0.000200	0.005	0	106	80 - 120				

MS Sample ID: **HS23100217-01MS** Units: **mg/L** Analysis Date: **09-Oct-2023 13:20**
Client ID: Run ID: **HG04_448545** SeqNo: **7595016** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result		MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00514		0.000200	0.005	0.000008	103	75 - 125				

MSD Sample ID: **HS23100217-01MSD** Units: **mg/L** Analysis Date: **09-Oct-2023 13:25**
Client ID: Run ID: **HG04_448545** SeqNo: **7595017** PrepDate: **09-Oct-2023** DF: **1**

Analyte	Result		MQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00458		0.000200	0.005	0.000008	91.4	75 - 125	0.00514	11.5	20	

The following samples were analyzed in this batch: HS23100244-01 HS23100244-02 HS23100244-03 HS23100244-04

Client: WSP Golder
Project: Frisco Pre-Excavation Soil
WorkOrder: **HS23100244**

QUALIFIERS, ACRONYMS, UNITS

Qualifier	Description
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

Acronym	Description
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitaion Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2023-140	31-Aug-2024
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

Sample Receipt Checklist

Work Order ID: HS23100244 **Date/Time Received:** **04-Oct-2023 09:10**

Client Name: Golder St Louis **Received by:** **Malcolm Burleson**

Completed By:	/S/ Malcolm Burleson	04-Oct-2023 19:03	**Reviewed by:**	/S/ Tyler Monroe	05-Oct-2023 12:50
	eSignature	Date/Time		eSignature	Date/Time

Matrices: **solid** Carrier name: **FedEx**

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shipping container/cooler?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	1 Page(s)
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	COC IDs:298124
Samplers name present on COC?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	
Temperature(s)/Thermometer(s):	0.9uc 0.8c	ir31	
Cooler(s)/Kit(s):	51364		
Date/Time sample(s) sent to storage:	10042023		
Water - VOA vials have zero headspace?	Yes ☐	No ☐	No VOA vials submitted ☑
Water - pH acceptable upon receipt?	Yes ☐	No ☐	N/A ☑
pH adjusted?	Yes ☐	No ☐	N/A ☑
pH adjusted by:			

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:

Cincinnati, OH +1 513 733 5336
Fort Collins, CO +1 970 490 1511
Houston, TX +1 281 530 5656
Spring City, PA +1 610 948 4903
South Charleston, WV +1 304 356 3168
Everett, WA +1 425 356 2600
Holland, MI +1 616 399 6070
Middletown, PA +1 717 944 5541
Salt Lake City, UT +1 801 266 7700
York, PA +1 717 505 5280

Chain of Custody Form

Page _____ of _____

COC ID: 298124

ALS Project Manager: | ALS Work Order #:

Customer Information		Project Information		Parameter/Method Request for Analysis	
Purchase Order		Project Name	Frisco Pre-Excavation Soil	A	1311_TCLP RCRA Metals (1311/3010/6020/7470-TCLP RCRA 8
Work Order		Project Number		B	ICP_TW (6020 As, Cd, Pb, Sb, Se)
Company Name	WSP Golder	Bill To Company	WSP Golder	C	MOIST_ASTM (Moisture %)
Send Report To	William Wedge	Invoice Attn	Accounts Payable WSP	D	
Address	701 Emerson Road Suite 250	Address	701 Emerson Road Suite 250	E	
				F	
City/State/Zip	Creve Coeur, MO 63141	City/State/Zip	Creve Coeur MO 63141	G	
Phone	(314) 984-8800	Phone	(314) 984-8800	H	
Fax	timothy.jennings@wsp.com	Fax		I	
e-Mail Address	~~William_Wedge@golder.com~~	e-Mail Address	USENVAccountspayable@wsp.com	J	

HS23100244
WSP Golder
Frisco Pre-Excavation Soil

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	SP-52-Treated	10/3/23	0904	Soil	3	1	X										
2	SP-47-Treated	↓	0902	↓	↓	↓	↓										
3	SP-31/45-Treated		0901														
4	SP-8-Treated		0900														
5																	
6																	
7																	
8																	
9																	
10																	

Sampler(s) Please Print & Sign: William Wedge WW WW
Shipment Method: Fed EX
Required Turnaround Time: (Check Box) ☐ STD 10 Wk Days ☒ 5 Wk Days ☐ 2 Wk Days ☐ 24 Hour ☐ Other _____
Results Due Date:

Relinquished by: WW WW	Date: 10/3/23	Time: 1045	Received by:	Notes: Frisco Pre-Excavation	
Relinquished by:	Date:	Time:	Received by (Laboratory): 10042023 0910	Cooler ID	Cooler Temp.
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):	51364	IR31 0.9uG -0.1C

QC Package: (Check One Box Below)
☐ Level II Std QC ☒ TRRP Checklist
☐ Level III Std QC/Raw Data ☐ TRRP Level IV
☐ Level IV SW846/CLP
☐ Other

Preservative Key: 1-HCl 2-HNO_3 3-H_2SO_4 4-NaOH 5-$Na_2S_2O_3$ 6-$NaHSO_4$ 7-Other 8-4°C 9-5035

Note: 1. Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.
2. Unless otherwise agreed in a formal contract, services provided by ALS Environmental are expressly limited to the terms and conditions stated on the reverse.
3. The Chain of Custody is a legal document. All information must be completed accurately.

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ALS
10450 Stancliff Rd, Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51364

CUSTODY SEAL

Date: 10/3/23 Time: 1000
Name: [illegible]
Company: WSP

Seal Broken By: SM
Date: 10/04/23

51364 OCT 0 4 2023

ALS
10450 Stancliff Rd., Suite 210
Houston, Texas 77099
Tel. +1 281 530 5656
Fax. +1 281 530 5887

51364

CUSTODY SEAL

Date: 10/3/23 Time: 1000
Name: [illegible]
Company: WSP

Seal Broken By: SM
Date: 10/04/23

Part # 159409-434 MTW EXP 01/24

51364

ORIGIN ID:SGRA (214) 957-5151
EDUARDO SALAZAR
GOLDER ASSOCIATES
7471 OLD 5TH STREET

FRISCO, TX 75034
UNITED STATES US

SHIP DATE: 26SEP23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3751
DIMS: 26x14x14 IN

585C4/8B35/FE2D

TO **SHIPPING DEPT**
ALS LABORATORY GROUP
10450 STANCLIFF RD
SUITE 210
HOUSTON TX 77099
(281) 530-5656
REF: FRISCO PRE-EXCAVA=BO 95858-TM

RMA:

FedEx Express

TRK# 0221 6862 6797 3604

RETURNS MON-SAT
PRIORITY OVERNIGHT

FedEx
TRK# 0221 6862 6797 3604

WED - 04 OCT 10:30A
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

EXP 08/24

ATTACHMENT C

Treatability Summary

TREATABILITY STUDY RESULTS

Premier: RSI

August 30, 2023

Compositional Results (mg/kg)			
Sample Name	**Ursus Lab ID**	**Cadmium**	**Lead**
STPK 26 Soil	23-08003	3.84	490

Leaching Results								
Sample Name		**EnviroBlend® Dosage**		**Screening Leaching Test Results**				
	Ursus Lab ID	**Chemical**	**Percentage**	**Pretest pH**	**Solution**	**Final pH**	**Cadmium mg/L**	**Lead mg/L**
TCLP Limit	**-**	**-**	**-**	**-**	**-**	**-**	***1***	***5***
STPK 26 Soil	23-08003	Untreated	-	5.73	TCLP 2	5.75	0.024	2.41
		EnviroBlend® CS	4.0%	-	TCLP 2	6.51	<0.024	0.32
			5.0%	-	TCLP 2	6.67	<0.024	0.19
			6.0%	-	TCLP 2	6.79	<0.024	0.17

NOTES:

1. The screening TCLP test is a modified, scaled-down TCLP leaching test that gives results that are similar to those of a standard TCLP test on the waste material. The screening test is not suitable for regulatory submittals.

2. Premier Chemicals product EnviroBlend® in the ground form was used in the treatability study. Other products and particle sizes should be tested to ensure that they provide comparable results prior to using the other products.

3. The treatability results demonstrate the effect of the treatment on the samples tested. Extrapolation of the results to waste streams or contaminated sites depends on the representativeness of the samples collected.

ATTACHMENT D

Waste Manifests

17037

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD006451090	1		010756106 JJK

GENERATOR

5. Generator's Name and Mailing Address
CITY OF FRISCO, TX
6101 FRISCO SQUARE BLVD.
FRISCO, TX 75034
Generator's Phone:

Generator's Site Address (if different than mailing address)
Frisco Community Development Corp
7411 SOUTH 5th St.
FRISCO, TX 75034

6. Transporter 1 Company Name
Action Resources 2004 20th St. North Birmingham, AL
U.S. EPA ID Number
ALR000007237

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
US Ecology Texas, Inc.
3277 County Rd 69
Robstown, TX 78380
Facility's Phone: 833-672-2800
U.S. EPA ID Number
TXD069452340

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA 3077, HAZARDOUS WASTE SOLID, NOS (D008) 9, PG III	01	DT	44100	lbs.	0103302H D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
090139024-0 METALS IMPACTED DEBRIS & SOIL

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eduardo Salazar
Signature: Eduardo Salazar
Month Day Year: 10 30 23

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ricardo Adame
Signature: Ricardo Adame
Month Day Year: 10 30 23

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy Emergency Response number is "918-671-9587" per Butch Hixum @ Waste Mgmt

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Jesse Hobbs
Signature:
Month Day Year: 10 31 23

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Scale Ticket

US ECOLOGY TEXAS, INC.

Phone: 833 672 2800

Scale Ticket #: 379123
Checkin Date: 10/31/2023 **Time:** 10:46

Work Order #: 23103117037
Checkout Date: 10/31/2023 **Time:** 12:32

010756106JJK

Transporter:
ACTION RESOURCES INC
40 COUNTY ROAD 517
HANCEVILLE, AL

EPA ID: ALR000007237

Truck #: 2846 **Tractor #:** **Trailer #:**

Driver: RICARDO ADAME

Customer
REMEDIATION SERVICES, INC.
2735 SOUTH 10TH STREET
INDEPENDENCE, KS

GROSS WEIGHT :	**76,020.00**	**LBs**
TARE WEIGHT :	**31,680.00**	**LBs**
NET WEIGHT :	**44,340.00**	**LBs**

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) 17973 Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD006457090	1	844-862-6671	010756104 JJK

GENERATOR

5. Generator's Name and Mailing Address
City of Frisco TX
6101 Frisco Square Blvd
Frisco TX 75034
Generator's Phone:

Generator's Site Address (if different than mailing address)
Frisco Community Development Corp
7471 South 5th St.
Frisco TX 75034

6. Transporter 1 Company Name: Action Resources 2004 20th St, North Birmingham AL — U.S. EPA ID Number: ALRD000007237

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
US Ecology Inc
3277 County Rd. 69
Robstown TX 78380
Facility's Phone: — U.S. EPA ID Number: TXD069452340

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3077, Hazardous waste Solid, NOS (D008) 9, PG III	01	DT	17.49	T	D008
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
090139024-0 Metal impacted Debris of Soil 0

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eduardo Salazar — Signature: Eduardo Salazar — Month 11 Day 15 Year 23

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ricardo Aclame — Signature: Ricardo Aclame — Month 11 Day 15 Year 23

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy ~~Emergency Response Number 972 871 3887 per Patti Hobbs~~

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

16b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Anastasio Zamora — Signature — Month 11 Day 16 Year 23

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Scale Ticket

Phone: 833 672 2800

US ECOLOGY TEXAS, INC.

Scale Ticket #: 393059
Checkin Date: 11/16/2023 **Time:** 09:30

Work Order #: 23111617973
Checkout Date: 11/16/2023 **Time:** 12:00

010756104JJK

Transporter:
ACTION RESOURCES INC
40 COUNTY ROAD 517
HANCEVILLE, AL
EPA ID: ALR000007237

Customer
REMEDIATION SERVICES, INC.
2735 SOUTH 10TH STREET
INDEPENDENCE, KS

Truck #: 2897 **Tractor #:** **Trailer #:**

Driver: RIDCARDO ADAME

GROSS WEIGHT :	**67,120.00**	**LBs**
TARE WEIGHT :	**32,140.00**	**LBs**
NET WEIGHT :	**34,980.00**	**LBs**

313

17811

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	TXD006451090	1		010756103 JJK

5. Generator's Name and Mailing Address
City of Frisco TX
6101 Frisco Square Blvd
Frisco TX 75034
Generator's Phone:

Generator's Site Address (if different than mailing address)
Frisco Community Development Corp.
7471 South 8th St.
Frisco TX 75034

6. Transporter 1 Company Name — U.S. EPA ID Number
Action Resources 2004 20th St. North Birmingham AL — ALR000007237

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number
US Ecology Inc
11271 County Road 69
Robstown TX 78380
Facility's Phone: TXD069452340

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NA 3077, Hazardous waste Solid, NOS (D008) 9, PG III	01	DT	23.19	T	B103 3024 D008		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
090139024-0 Metals impacted Debris & Soil
TRL - TRI 429

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eduardo Salazar — Signature: Eduardo Salazar — Month: 11 — Day: 13 — Year: 23

INT'L
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Transporter 1: Devin Martin	Devin Martin	11	13	23
Transporter 2:				

DESIGNATED FACILITY
18. Discrepancy: Emergency Response # 6719587 per Buford Holum
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H132			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Anastasia Zamora		11	14	23

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Scale Ticket

Phone: 833 672 2800

US ECOLOGY TEXAS, INC.

Scale Ticket #: 392893
Checkin Date: 11/14/2023 **Time:** 09:52

Work Order #: 23111417811
Checkout Date: 11/14/2023 **Time:** 11:25

010756103JJK

Transporter:
ACTION RESOURCES INC
40 COUNTY ROAD 517
HANCEVILLE, AL

EPA ID: ALR000007237

Truck #: 3113 **Tractor #:** **Trailer #:**

Driver: DEVIN MARTIN

Customer
REMEDIATION SERVICES, INC.
2735 SOUTH 10TH STREET
INDEPENDENCE, KS

GROSS WEIGHT :	**78,960.00**	**LBs**
TARE WEIGHT :	**32,460.00**	**LBs**
NET WEIGHT :	**46,500.00**	**LBs**

17809

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: TXD006451090
2. Page 1 of: 1
3. Emergency Response Phone:
4. Manifest Tracking Number: 010756105 JJK

5. Generator's Name and Mailing Address: City of Frisco TX, 6101 Frisco Square Blvd, Frisco TX 75034
Generator's Phone:

Generator's Site Address (if different than mailing address): Frisco Community Development Corp, 7471 South 5th st, Frisco TX 75034

6. Transporter 1 Company Name: Action Resources 2004 20th st, North Birmingham AL
U.S. EPA ID Number: ALR000007237

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: US Ecology Inc, 3277 County Road 69, Robstown TX 78380
Facility's Phone:
U.S. EPA ID Number: TXD069452340

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NA3077, Hazardous waste Solid, NOS (D008) 9, PG III	01	DT	47840	P	0103 D008	302	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 090139024-0 Metals Impacted Debris & Soil

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Eduardo Salazar
Signature: Eduardo Salazar
Month: 11 Day: 13 Year: 23

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ricardo Aelane
Signature: Ricardo Aelane
Month: 11 Day: 13 Year: 23
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY
18. Discrepancy: Emergency Response number 918-671-9587 per Butch Holum
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H132 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Ana Cheng
Signature: Ana Cheng
Month: 11 Day: 14 Year: 23

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Scale Ticket

Phone: 833 672 2800

US ECOLOGY TEXAS, INC.

Scale Ticket #: 392889 **Work Order #:** 23111417809

Checkin Date: 11/14/2023 **Time:** 09:29 **Checkout Date:** 11/14/2023 **Time:** 11:15

010756105JJK

Transporter:
ACTION RESOURCES INC
40 COUNTY ROAD 517
HANCEVILLE, AL

EPA ID: ALR000007237

Customer
REMEDIATION SERVICES, INC.
2735 SOUTH 10TH STREET
INDEPENDENCE, KS

Truck #: 2897 **Tractor #:** **Trailer #:**

Driver: RICARDO ACLANE

GROSS WEIGHT :	**79,880.00**	**LBs**
TARE WEIGHT :	**32,040.00**	**LBs**
NET WEIGHT :	**47,840.00**	**LBs**