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: | **Josh Hale, PG** | | | | |
| Company: | **WSP USA, Inc.** | Phone Number: | **(713) 785-1311** | Fax Number: | |
| Address 1: | **16200 Park Row, Ste 200** | City: | **Houston** | State: **TX** | Zip Code: **77084** |
| Address 2: | | Email Address: | **Josh.hale@wsp.com** | | |

## TCEQ INTERNAL USE ONLY

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

October 3, 2023 Project No. GL2040906205

**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: SEPTEMBER 2023 – STATUS REPORT**
**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 September 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 documents soil response actions conducted from July to September 2023.

## 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

Beginning in July 2023, soil excavation activities were conducted 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.

Surface soil was initially excavated using a track-mounted excavator (track-hoe) to remove soil protective concentration level exceedance (PCLE) zones to predetermined depths ranging from 0.5 to 4 feet below ground surface (bgs). Excavated soils transported from the sewer line ROW to the Remediation Consolidation Area (RCA) using a haul truck and staged on the Former Operating Plant (FOP) on plastic sheeting in approximately 50 cubic yard stockpiles. Composite soil samples were collected from the stockpiles in accordance with the site's Waste Analysis Plan (Golder, November 2019) for waste characterization and classification. To date, approximately 6,100 cubic yards (122 stockpiles) of soil has been excavated from the sewer line and Affected Property No. 5 on the water line ROW. A Site layout illustrating the excavation areas is presented in **Figure 2**.

## 2.2 Dust Suppression and Monitoring

Dust suppression measures were implemented during soil excavation activities. Air quality was monitored during soil removal activities utilizing E-Samplers as described in the Air Monitoring Plan for FOP Remediation Activities and Remediation Consolidation Area Operations and Closure Activities (WSP, April 2023). Air monitoring included upwind and downwind real-time measurements of wind speed, wind direction and particulate matter at the perimeter of the utility ROW excavation area. Air monitoring was established to ensure dust generated during excavation activities did not present an undue risk to off-site receptors.

Review of air monitoring results indicate that no particulate concentrations exceeded Take Action or Stop Work Levels, respectively. Air monitoring summary reports and laboratory analytical reports 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

As detailed in the approved Work Plan, an approximately 50 cubic yard grid was established over each area containing PCL exceedances. Following excavation to the anticipated depth of the PCLE zone in each predetermined grid (0.5-feet excavated from each grid), a composite soil sample, comprised of a 5-point grab sample was collected from the excavation bottom. All sampling equipment was decontaminated prior to sampling.

Confirmation samples were submitted for laboratory analysis of antimony, arsenic, cadmium, lead, and selenium by U.S. Environmental Protection Agency (EPA) Method 6020.

As described in Section 3.2 the initial round of confirmation samples indicated residual COC exceeding critical PCLs, thus requiring additional excavation. Additionally, battery casing fragments were observed in portions of the sewer ROW outside the interim action PCLE zones, and in the some of the excavated segments where COC contractions in confirmation samples were below PCLs. Therefore, in early August 2023 additional excavation was performed in segments where PCLEs were observed following the initial phase of excavation and along the ROW where battery casing fragments were observed. During this phase of excavation, a handheld X-ray fluorescence (XRF) meter was utilized to screen the base and sidewalls of the excavated area for the presence of lead, cadmium, arsenic, antimony, and selenium concentrations exceeding the applicable PCLs. In areas were XRF screening indicated concentrations of lead greater than 274.51 mg/kg are present (or the PCL for the other metals was exceeded), additional excavation was conducted (in approximately 50 cubic yard lifts) and the area screened again following the additional excavation. When XRF screening indicated COC concentrations were below PCLs, confirmation samples were collected as described above. This process continued in each excavation segment until confirmation samples verified that residual COC concentrations are below site PCLs.

To demonstrate the effectiveness of the response action for affected surface soils in the utility ROW excavation areas, soil confirmation sample analytical results were comparted to TRRP Site-specific PCLs established for the Site: 274.51 milligrams per kilogram [mg/kg] for lead; 30.0 mg/kg for cadmium; 15.90 mg/kg for arsenic; 1.6 mg/kg for selenium, and 2.71 mg/kg antimony.

## 3.2 Confirmation Sample Analytical Results

Analysis of fourteen (14) initial surface soil confirmation samples collected on July 31, 2023, indicated antimony, lead, and/or selenium concentrations exceeded the critical PCL in samples CW002, CW004, CW005, CW006, CW007, CW009, CL2LF001, SDAS003, SDAS004, SDAS005, SDAS006, SDAS007, SDAS008, and SDAS009. Though metal concentrations did not exceed the critical PCLs, battery casing fragments were observed in excavation segments CW001, CW003, CW008, and SDAW001. Although outside the previously identified PCLE zones, battery casing fragments were also observed in surface soils and road base near the west end of the sewer line ROW (new segments identified as CW010 and CW011). As a result, additional soil removal was performed at sample locations containing PCL exceedances and battery casing fragments in soil.

Subsequent soil confirmation samples were collected following additional excavation on August 10 – 12, 2023, (CW001-01, CW002-01, CW003-03, CW004-01, CW005-01, CW006-01, CW007-01, CW008-01, CW009-01, and SDAW001-01), on August 14 – 17, 2023 (CL2LF001-1, SDAS003-1, SDAS004-1, SDAS005-1, SDAS006-1, SDAS007-1, SDAS008-1, SDAS009-1, SDAS001-002-1, CW010, and CW011), and on September 1 and 6 – 7, 2023 (CW001-02, CW002-02, CW003-02, CW004-02, CW005-02, CW007-02, CW008-02, CW009-02, SDAW001-02). Final soil confirmation samples collected from each excavation segment contained metal concentrations below the critical PCLs, indicating that surface soils containing metal concentrations exceeding critical PCLs had been removed from the footprint of the sewer line ROW.

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 are provided in **Attachment B**.

## 3.3 Soil Stockpile Sampling

Material excavated from the utility ROW was transported to the RCA and placed in approximately 50-cubic yard stockpiles. A 5-part composite sample was collected from each soil stockpile from the upper 12 inches of each stockpile at five separate, random, representative areas and homogenized in a plastic bag. Approximately 6,100 cubic yards of material was excavated during this phase of the interim action (sewer line and water line ROW).

Soil stockpile composite samples were collected using a gloved hand and/or decontaminated/disposable soil sampling equipment (i.e., hand trowels), 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

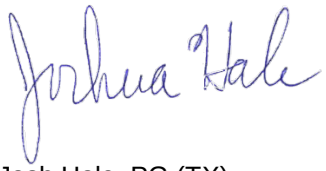
A total of 122 soil stockpile composite samples (SP-1 through SP-122) were collected during excavation activities. Review of laboratory analytical data identified 16 stockpile samples (SP-26 to SP-30, SP-32 to SP-38, SP-40, SP-48, SP-49, SP-77, and SP-78) containing TCLP lead concentrations exceeding the hazardous waste regulatory level of 5.0 mg/L. These stockpiles were transferred to roll off boxes as 90-day accumulation containers. Soil from stockpiles SP-26 to SP-30, SP-32 to SP-38, SP-40, SP-48, SP-49 will be treated on-site as described in the Draft Response Action Plan (RAP) and using the ratio of stabilizing reagent shown in the Treatability Study Results included as **Attachment C**. Although the treatability study indicates 4% EnviroBlend®CS will be sufficient for meeting treatability goals, RSI use 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 containerized soils will be resampled for characterization analysis, and disposed of in the RCA once on-site treatment standards are met. Soil stockpiles SP-77 and SP-78 contain large slag fragments which prevent effective on-site treatment, therefore, those stockpiles will be profiled and transported of-site to an approved hazardous waste disposal facility. 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. These stockpiles will also be treated on-site in the same manner as characteristically hazardous soils, resampled for characterization analysis, and disposed of in the RCA once on-site disposal criteria are met. The remaining soil stockpile composite samples contained no RCRA TCLP concentrations exceeding Texas Class 2 Regulatory Levels and therefore meet on-site disposal criteria. **Table 3** provides a summary of excavated soil stockpile characterization sampling results.

## 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, 2023. Please do not hesitate to call should you have any questions regarding this status report.

Sincerely,

**WSP USA, Inc.**

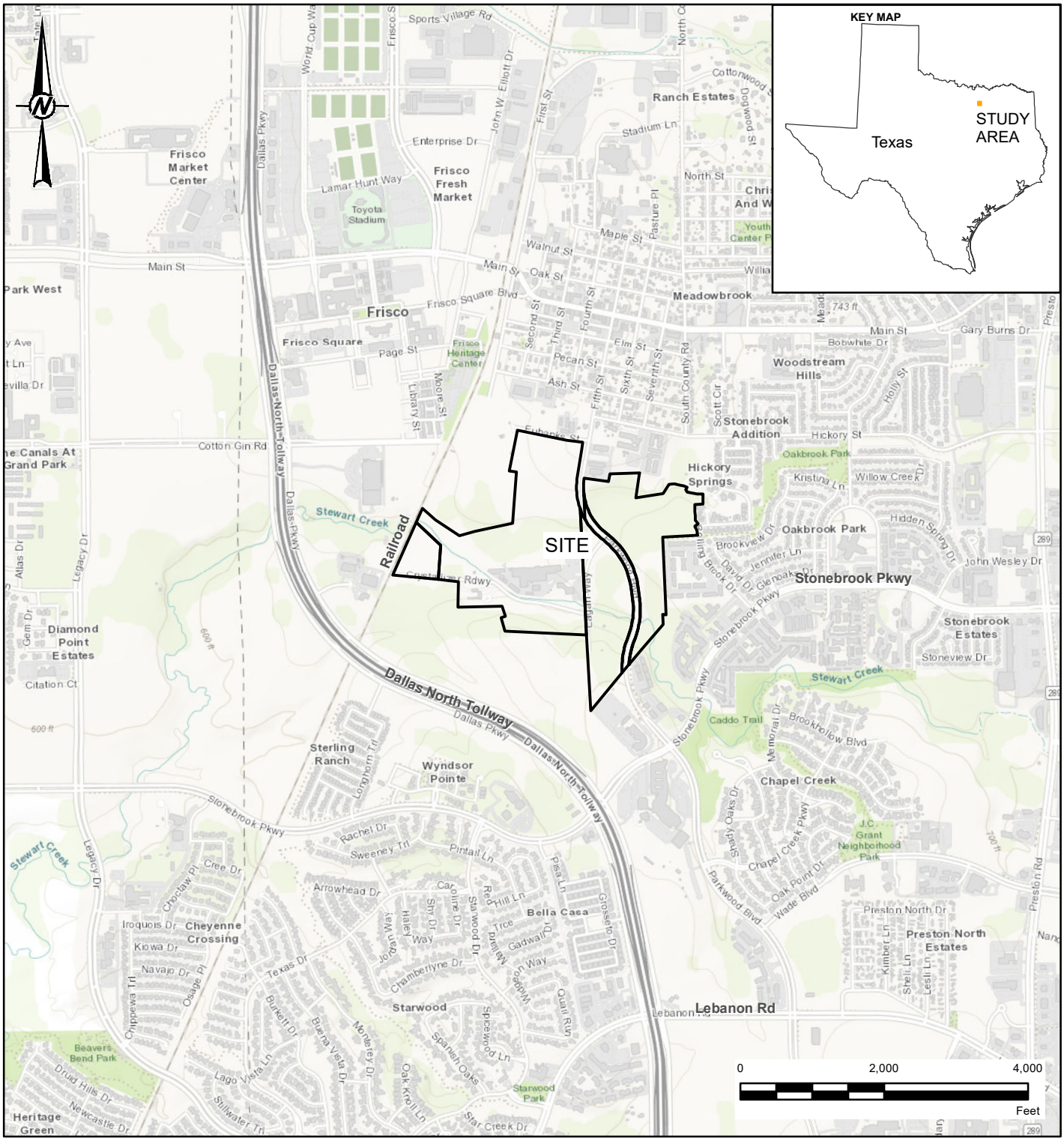


Josh Hale, PG (TX)
*Senior Geologist, Consultant*

Timothy Jennings, PG (TX)
*Senior Lead Consultant*

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
Paul Knippel – 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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1 in

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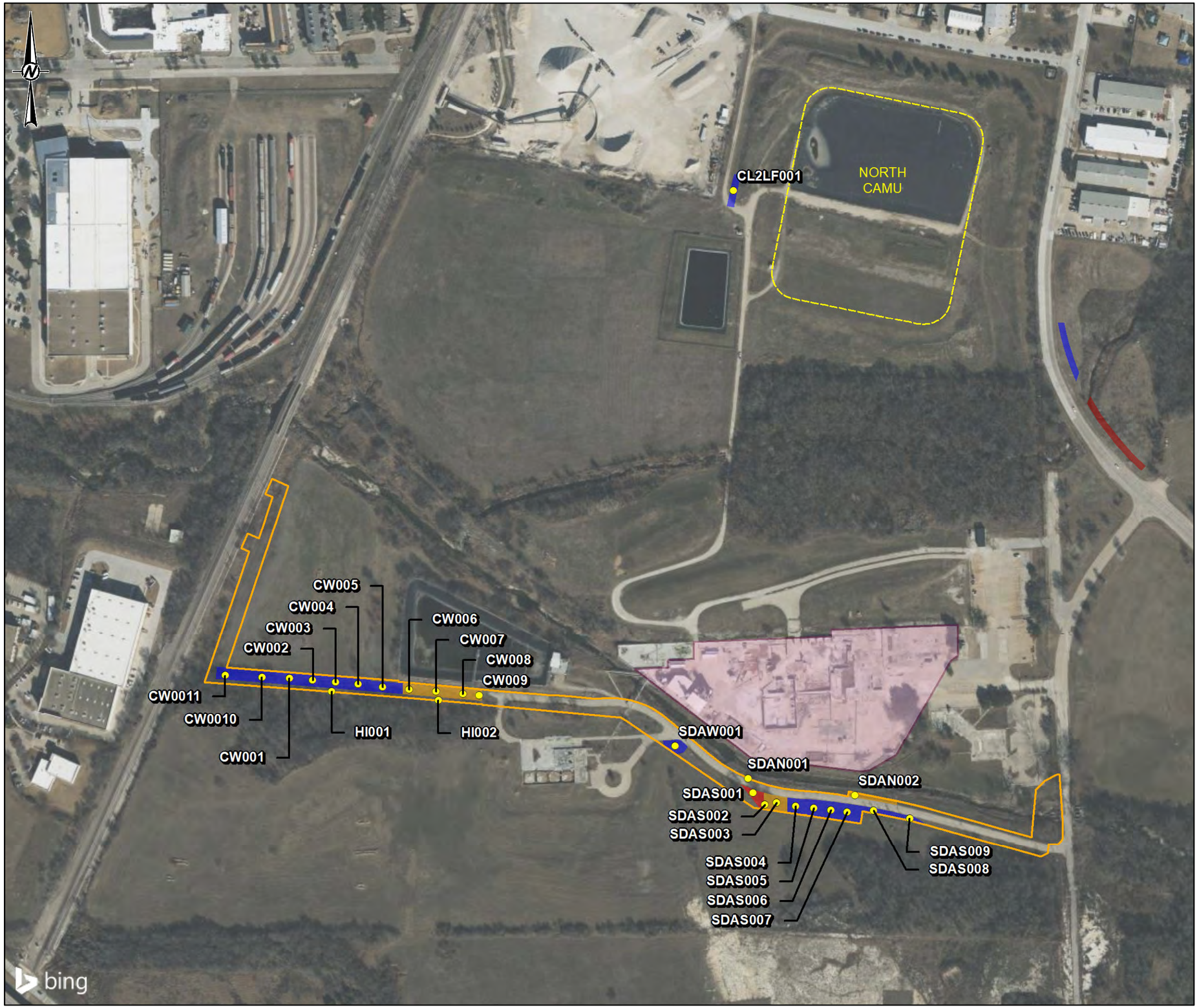


LEGEND

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

**Interim Action Proposed 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 PRE-EXCAVATION SHALLOW SOIL SAMPLING

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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0 25mm

# TABLES

**TABLE 1**
**SUMMARY OF AIR MONITORING RESULTS**
**July - September 2023**

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

| Sample ID[1] | Date | Cadmium[2] | Lead[2] |
|---|---|---|---|
| | | mg/m$^3$ | |
| FOPR-230720-DW-096 | 7/20/2023 | <0.0000072 | <0.000048 |
| FOPR-230720-DW-066 | | <0.0000072 | <0.000048 |
| FOPR-230720-DW-336 | | <0.0000065 | <0.000044 |
| FOPR-230720-DW-980 | | <0.0000098 | <0.000065 |
| FOPR-230720-DW-983 | | <0.0000069 | <0.000046 |
| FOPR-230721-DW-096 | 7/21/2023 | <0.0000050 | <0.000033 |
| FOPR-230721-UW-066 | | <0.0000051 | <0.000034 |
| FOPR-230721-DW-336 | | <0.0000047 | <0.000032 |
| FOPR-230721-DW-980 | | <0.0000056 | <0.000037 |
| FOPR-230721-DW-983 | | <0.0000050 | **0.000039 J** |
| FOPR-230722-UW-980 | 7/22/2023 | <0.0000050 | <0.000034 |
| FOPR-230722-DW-336 | | <0.0000050 | <0.000033 |
| FOPR-230722-DW-096 | | <0.0000050 | <0.000033 |
| FOPR-230722-DW-066 | | <0.0000049 | <0.000033 |
| FOPR-230722-DW-983 | | <0.0000050 | <0.000034 |
| FOPR-230724-UW-066 | 7/24/2023 | <0.0000050 | <0.000034 |
| FOPR-230724-DW-983 | | <0.0000050 | <0.000034 |
| FOPR-230724-DW-096 | | <0.0000051 | <0.000034 |
| FOPR-230724-DW-980 | | <0.0000051 | <0.000034 |
| FOPR-230724-DW-336 | | <0.0000050 | <0.000034 |
| FOPR-230726-DW-983 | 7/26/2023 | <0.0000051 | <0.000034 |
| FOPR-230726-DW-066 | | <0.0000050 | <0.000033 |
| FOPR-230726-DW-096 | | <0.0000050 | <0.000034 |
| FOPR-230726-DW-980 | | <0.0000053 | <0.000035 |
| FOPR-230726-DW-336 | | <0.0000049 | <0.000033 |
| FOPR-230728-DW-980 | 7/28/2023 | <0.0000049 | **0.000048 J** |
| FOPR-230728-DW-096 | | <0.0000050 | <0.000033 |
| FOPR-230728-DW-983 | | <0.0000049 | <0.000033 |
| FOPR-230728-DW-336 | | <0.0000053 | <0.000035 |
| FOPR-230728-DW-066 | | <0.0000050 | <0.000033 |
| FOPR-230808-UW-096 | 8/8/2023 | <0.0000049 | <0.000032 |
| FOPR-230808-DW-983 | | <0.0000047 | <0.000032 |
| FOPR-230808-DW-066 | | <0.0000048 | <0.000032 |
| FOPR-230808-DW-980 | | <0.0000052 | <0.000035 |
| FOPR-230808-DW-336 | | <0.0000051 | **0.000069 J** |
| FOPR-230809-UW-096 | 8/9/2023 | <0.0000051 | <0.000034 |
| FOPR-230809-DW-983 | | <0.0000046 | <0.000031 |
| FOPR-230809-DW-066 | | <0.0000052 | <0.000034 |
| FOPR-230809-DW-336 | | <0.0000054 | <0.000036 |
| FOPR-230809-DW-980 | | <0.0000052 | <0.000034 |

**TABLE 1**
**SUMMARY OF AIR MONITORING RESULTS**
**July - September 2023**

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

| Sample ID[1] | Date | Cadmium[2] | Lead[2] |
|---|---|---|---|
| | | mg/m$^3$ | |
| FOPR-230810-UW-096 | 8/10/2023 | <0.0000049 | <0.000033 |
| FOPR-230810-DW-983 | | <0.0000050 | <0.000034 |
| FOPR-230810-DW-066 | | <0.0000051 | <0.000034 |
| FOPR-230810-DW-336 | | <0.0000050 | <0.000033 |
| FOPR-230810-DW-980 | | <0.0000047 | <0.000031 |
| FOPR-230814-UW-096 | 8/14/2023 | <0.0000049 | <0.000033 |
| FOPR-230814-DW-983 | | <0.0000050 | <0.000033 |
| FOPR-230814-DW-066 | | <0.0000052 | <0.000034 |
| FOPR-230814-DW-336 | | <0.0000054 | <0.000036 |
| FOPR-230814-DW-980 | | <0.0000052 | <0.000034 |
| FOPR-230816-DW-980 | 8/16/2023 | <0.0000052 | <0.000034 |
| FOPR-230816-DW-096 | | <0.0000051 | <0.000034 |
| FOPR-230816-DW-983 | | <0.0000052 | <0.000035 |
| FOPR-230816-DW-336 | | <0.0000052 | <0.000034 |
| FOPR-230816-UW-066 | | <0.0000052 | <0.000034 |
| FOPR-230823-UW-983 | 8/23/2023 | <0.0000050 | <0.000033 |
| FOPR-230823-DW-096 | | <0.0000051 | <0.000034 |
| FOPR-230823-DW-066 | | <0.0000048 | <0.000032 |
| FOPR-230823-DW-336 | | <0.0000049 | <0.000033 |
| FOPR-230823-DW-980 | | <0.0000049 | <0.000032 |
| FOPR-230829-UW-066 | 8/29/2023 | **0.00039** | **0.0032** |
| FOPR-230829-DW-983 | | <0.0000051 | <0.000034 |
| FOPR-230829-DW-980 | | <0.0000051 | <0.000034 |
| FOPR-230829-DW-336 | | <0.0000051 | <0.000034 |
| FOPR-230829-DW-096 | | <0.0000052 | <0.000034 |
| FOPR-230830-DW-983 | 8/30/2023 | <0.0000051 | <0.000034 |
| FOPR-230830-DW-980 | | <0.0000051 | <0.000034 |
| FOPR-230830-DW-096 | | <0.0000051 | <0.000034 |
| FOPR-230830-DW-336 | | <0.0000051 | <0.000034 |
| FOPR-230830-UW-066 | | <0.0000051 | <0.000034 |
| FOPR-230831-DW-983 | 8/31/2023 | <0.0000049 | <0.000033 |
| FOPR-230831-DW-980 | | <0.0000051 | <0.000034 |
| FOPR-230831-DW-096 | | <0.0000050 | <0.000034 |
| FOPR-230831-DW-336 | | <0.0000051 | <0.000034 |
| FOPR-230831-UW-066 | | <0.0000052 | <0.000034 |
| FOPR-230906-UW-983 | 9/6/2023 | <0.0000051 | <0.000034 |
| FOPR-230906-DW-980 | | <0.0000051 | <0.000034 |
| FOPR-230906-DW-066 | | <0.0000052 | **0.000046 J** |
| FOPR-230906-DW-096 | | <0.0000052 | <0.000035 |
| FOPR-230906-DW-336 | | <0.0000052 | <0.000035 |

**TABLE 1**
**SUMMARY OF AIR MONITORING RESULTS**
**July - September 2023**

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

| Sample ID[1] | Date | Cadmium[2] | Lead[2] |
|---|---|---|---|
| | | mg/m$^3$ | |
| FOPR-230907-UW-066 | 9/7/2023 | <0.0000050 | **0.000056 J** |
| FOPR-230907-DW-096 | | <0.0000051 | <0.000034 |
| FOPR-230907-DW-336 | | <0.0000051 | <0.000034 |
| FOPR-230907-DW-983 | | <0.0000051 | <0.000034 |
| FOPR-230907-DW-980 | | <0.0000051 | <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$^3$).

**Air analytical data has not been validated. Data validation reports will be included in subsequent status reports.*

**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 J | 9.91 | 7.76 | 32.7 | 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 J | 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 |
| | | | | | | | |
| 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 |
| | | | | | | | |

**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 |
| 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 J | 10.3 | 0.389 J | 41.7 | 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 J | 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.
Sample results reported in milligrams per kilogram (mg/kg).
**Soil analytical data has not been validated. Data validation reports will be included in subsequent status reports.*

**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 |

**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-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 |

**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-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).

# 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
## 7/19/2023

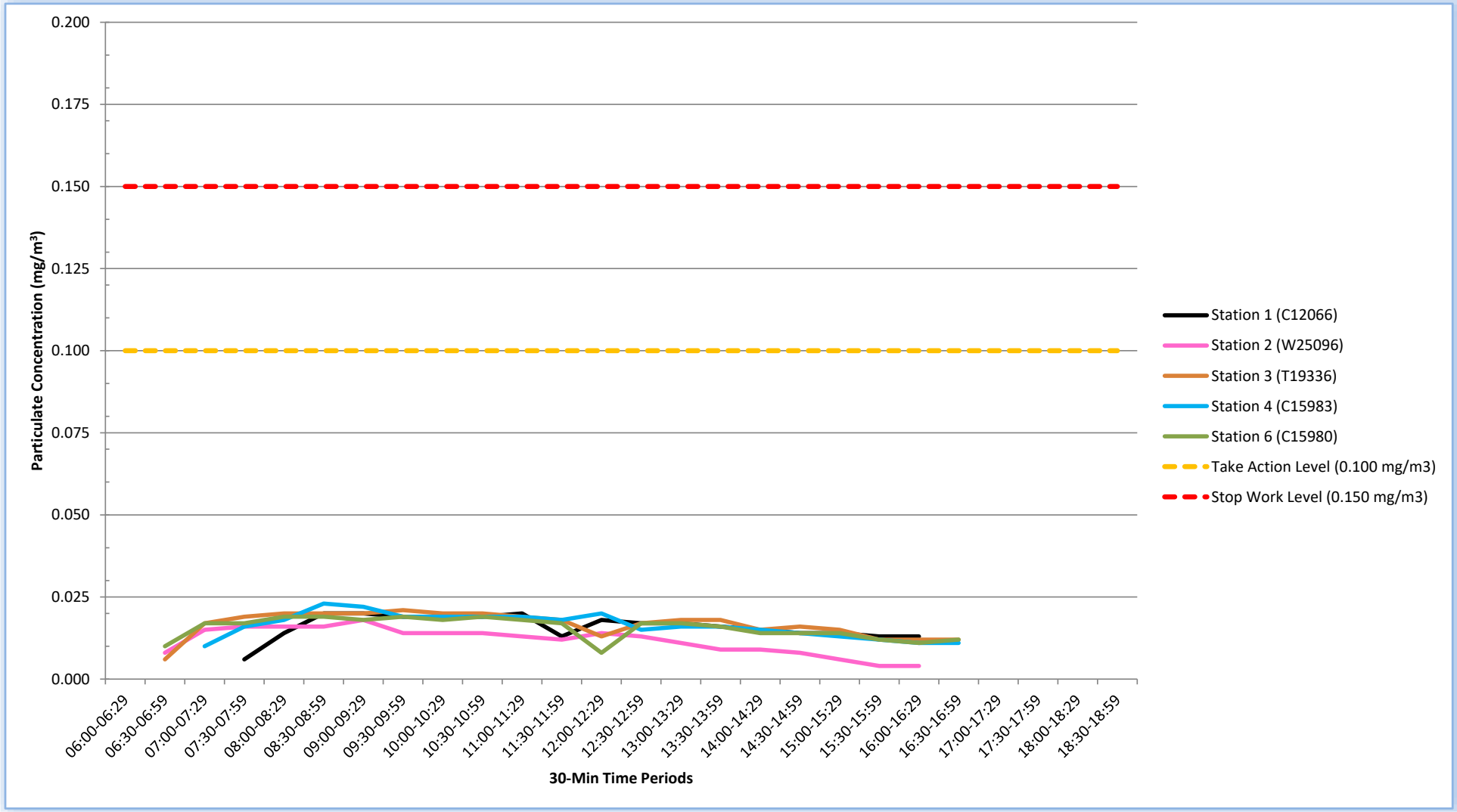
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 183 | 6.3 |
| 06:30-06:59 | | 0.008 | 0.006 | | 0.010 | 193 | 6.1 |
| 07:00-07:29 | | 0.015 | 0.017 | 0.010 | 0.017 | 188 | 6.2 |
| 07:30-07:59 | 0.006 | 0.016 | 0.019 | 0.016 | 0.017 | 192 | 6.3 |
| 08:00-08:29 | 0.014 | 0.016 | 0.020 | 0.018 | 0.019 | 196 | 6.0 |
| 08:30-08:59 | 0.020 | 0.016 | 0.020 | 0.023 | 0.019 | 202 | 6.7 |
| 09:00-09:29 | 0.020 | 0.018 | 0.020 | 0.022 | 0.018 | 201 | 6.5 |
| 09:30-09:59 | 0.019 | 0.014 | 0.021 | 0.019 | 0.019 | 201 | 7.6 |
| 10:00-10:29 | 0.019 | 0.014 | 0.020 | 0.019 | 0.018 | 200 | 6.2 |
| 10:30-10:59 | 0.019 | 0.014 | 0.020 | 0.019 | 0.019 | 206 | 5.3 |
| 11:00-11:29 | 0.020 | 0.013 | 0.019 | 0.019 | 0.018 | 183 | 5.8 |
| 11:30-11:59 | 0.013 | 0.012 | 0.018 | 0.018 | 0.017 | 187 | 4.7 |
| 12:00-12:29 | 0.018 | 0.014 | 0.013 | 0.020 | 0.008 | 182 | 4.4 |
| 12:30-12:59 | 0.017 | 0.013 | 0.017 | 0.015 | 0.017 | 164 | 5.9 |
| 13:00-13:29 | 0.017 | 0.011 | 0.018 | 0.016 | 0.017 | 170 | 4.7 |
| 13:30-13:59 | 0.016 | 0.009 | 0.018 | 0.016 | 0.016 | 180 | 3.5 |
| 14:00-14:29 | 0.015 | 0.009 | 0.015 | 0.015 | 0.014 | 166 | 4.8 |
| 14:30-14:59 | 0.014 | 0.008 | 0.016 | 0.014 | 0.014 | 166 | 3.8 |
| 15:00-15:29 | 0.014 | 0.006 | 0.015 | 0.013 | 0.014 | 182 | 4.3 |
| 15:30-15:59 | 0.013 | 0.004 | 0.012 | 0.012 | 0.012 | 179 | 4.9 |
| 16:00-16:29 | 0.013 | 0.004 | 0.012 | 0.011 | 0.011 | 164 | 6.7 |
| 16:30-16:59 | | | 0.012 | 0.011 | 0.012 | 164 | 4.9 |
| 17:00-17:29 | | | | | | 149 | 5.5 |
| 17:30-17:59 | | | | | | 147 | 5.7 |
| 18:00-18:29 | | | | | | 141 | 6.7 |
| 18:30-18:59 | | | | | | 136 | 7.7 |
| **Daily Average** | **0.016** | **0.012** | **0.017** | **0.016** | **0.016** | **171** | **5.7** |

**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

## 7/19/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/20/2023

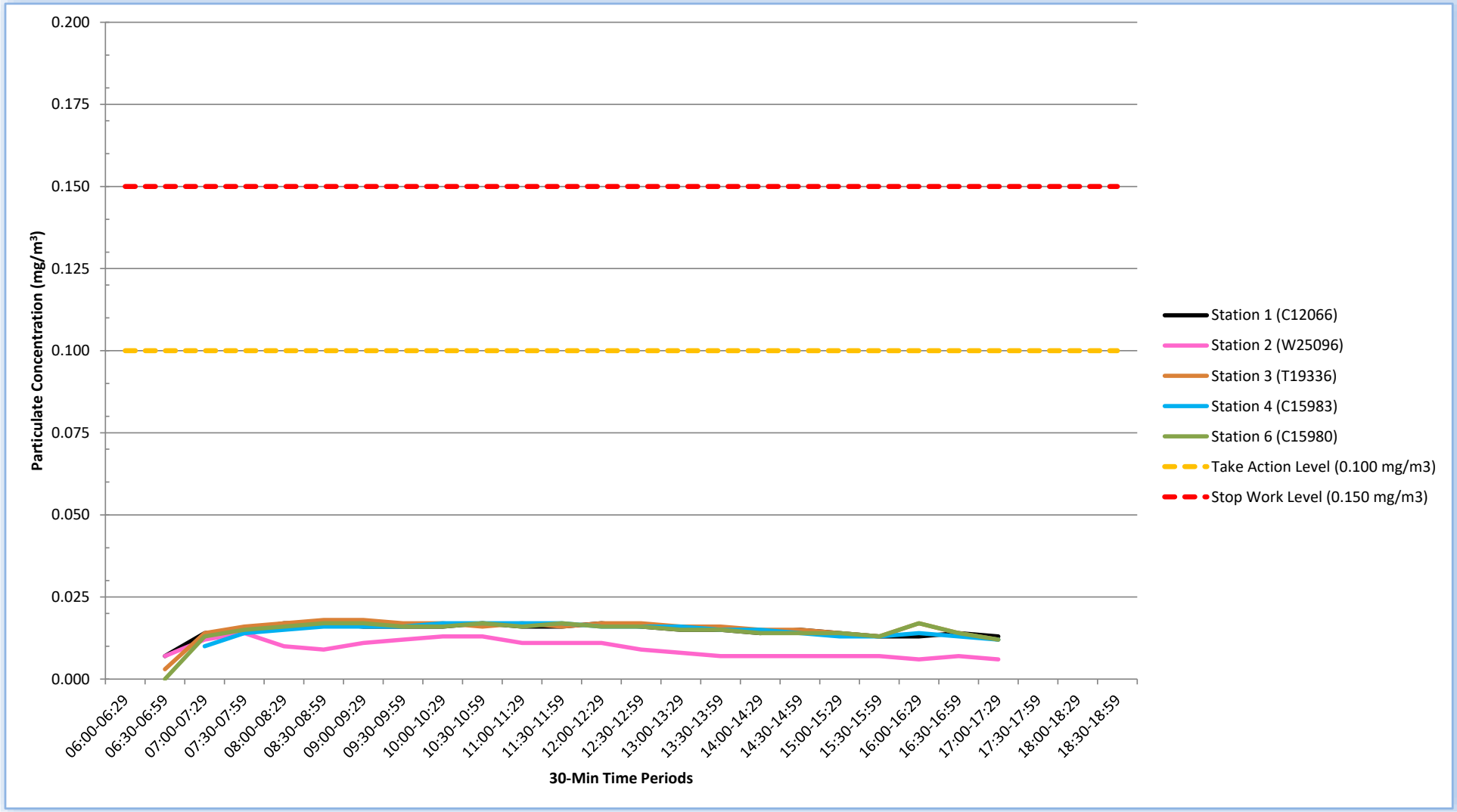
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 188 | 4.0 |
| 06:30-06:59 | 0.007 | 0.007 | 0.003 | | 0.000 | 188 | 4.5 |
| 07:00-07:29 | 0.014 | 0.012 | 0.014 | 0.010 | 0.013 | 195 | 4.6 |
| 07:30-07:59 | 0.015 | 0.014 | 0.016 | 0.014 | 0.015 | 193 | 5.9 |
| 08:00-08:29 | 0.017 | 0.010 | 0.017 | 0.015 | 0.016 | 204 | 5.8 |
| 08:30-08:59 | 0.017 | 0.009 | 0.018 | 0.016 | 0.017 | 201 | 5.5 |
| 09:00-09:29 | 0.016 | 0.011 | 0.018 | 0.016 | 0.017 | 206 | 5.4 |
| 09:30-09:59 | 0.016 | 0.012 | 0.017 | 0.016 | 0.016 | 224 | 4.3 |
| 10:00-10:29 | 0.016 | 0.013 | 0.017 | 0.017 | 0.016 | 214 | 3.3 |
| 10:30-10:59 | 0.017 | 0.013 | 0.016 | 0.017 | 0.017 | 183 | 4.0 |
| 11:00-11:29 | 0.016 | 0.011 | 0.017 | 0.017 | 0.016 | 173 | 5.8 |
| 11:30-11:59 | 0.016 | 0.011 | 0.016 | 0.017 | 0.017 | 179 | 3.7 |
| 12:00-12:29 | 0.017 | 0.011 | 0.017 | 0.016 | 0.016 | 222 | 1.6 |
| 12:30-12:59 | 0.016 | 0.009 | 0.017 | 0.016 | 0.016 | 175 | 2.7 |
| 13:00-13:29 | 0.015 | 0.008 | 0.016 | 0.016 | 0.015 | 176 | 3.0 |
| 13:30-13:59 | 0.015 | 0.007 | 0.016 | 0.015 | 0.015 | 155 | 4.1 |
| 14:00-14:29 | 0.014 | 0.007 | 0.015 | 0.015 | 0.014 | 150 | 1.9 |
| 14:30-14:59 | 0.015 | 0.007 | 0.015 | 0.014 | 0.014 | 158 | 1.7 |
| 15:00-15:29 | 0.014 | 0.007 | 0.014 | 0.013 | 0.014 | 210 | 1.4 |
| 15:30-15:59 | 0.013 | 0.007 | 0.013 | 0.013 | 0.013 | 164 | 2.9 |
| 16:00-16:29 | 0.013 | 0.006 | 0.017 | 0.014 | 0.017 | 123 | 2.8 |
| 16:30-16:59 | 0.014 | 0.007 | 0.014 | 0.013 | 0.014 | 142 | 2.4 |
| 17:00-17:29 | 0.013 | 0.006 | 0.012 | 0.012 | 0.012 | 122 | 4.9 |
| 17:30-17:59 | | | | | | 125 | 5.7 |
| 18:00-18:29 | | | | | | 120 | 10.4 |
| 18:30-18:59 | | | | | | 137 | 8.9 |
| **Daily Average** | **0.015** | **0.009** | **0.015** | **0.015** | **0.015** | **166** | **4.3** |

**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

## 7/20/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/21/2023

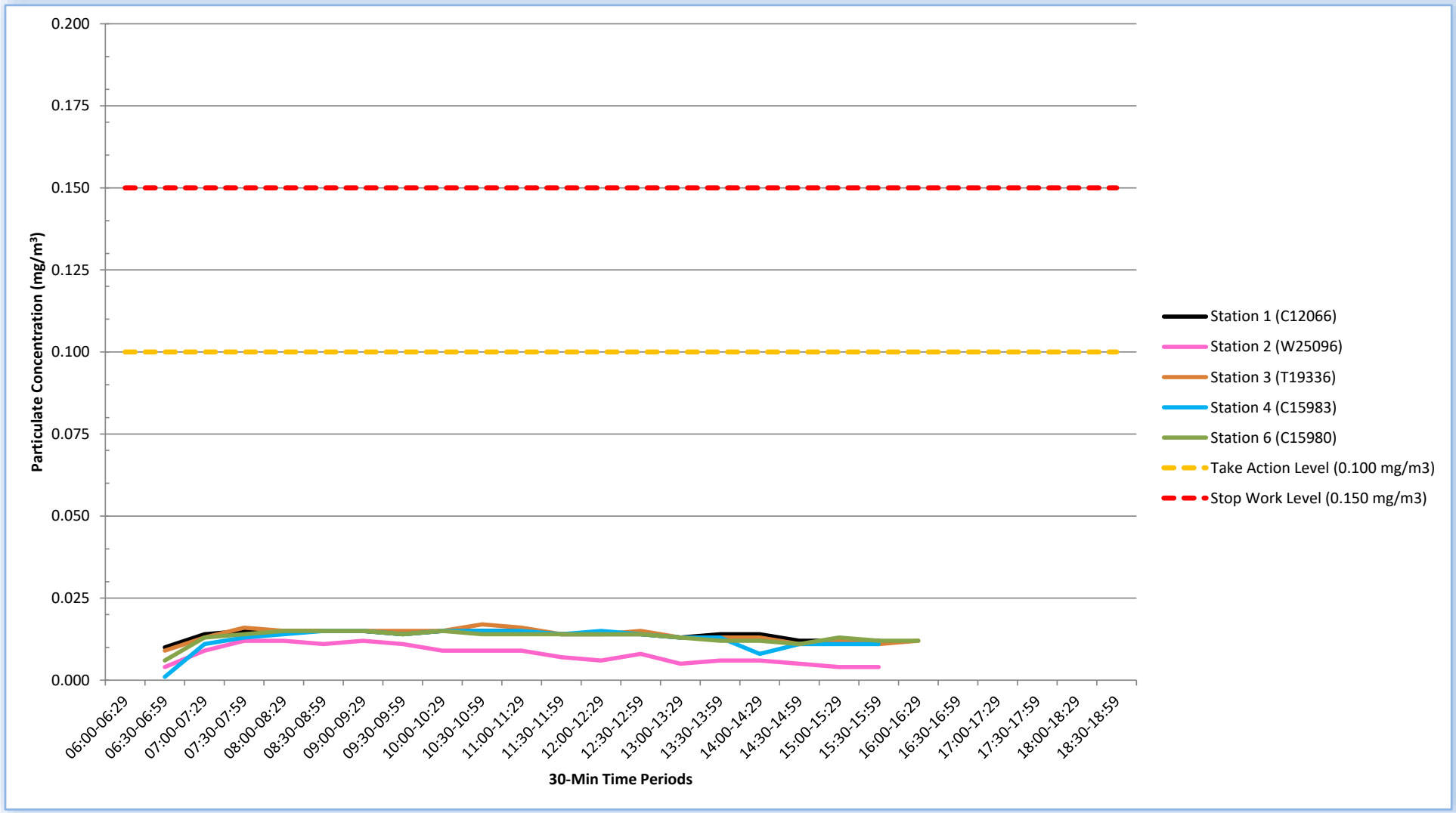
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 213 | 3.2 |
| 06:30-06:59 | 0.010 | 0.004 | 0.009 | 0.001 | 0.006 | 212 | 3.5 |
| 07:00-07:29 | 0.014 | 0.009 | 0.013 | 0.011 | 0.013 | 221 | 2.9 |
| 07:30-07:59 | 0.015 | 0.012 | 0.016 | 0.013 | 0.014 | 219 | 2.7 |
| 08:00-08:29 | 0.015 | 0.012 | 0.015 | 0.014 | 0.015 | 212 | 2.9 |
| 08:30-08:59 | 0.015 | 0.011 | 0.015 | 0.015 | 0.015 | 206 | 3.9 |
| 09:00-09:29 | 0.015 | 0.012 | 0.015 | 0.015 | 0.015 | 225 | 2.7 |
| 09:30-09:59 | 0.014 | 0.011 | 0.015 | 0.014 | 0.014 | 249 | 4.5 |
| 10:00-10:29 | 0.015 | 0.009 | 0.015 | 0.015 | 0.015 | 254 | 4.4 |
| 10:30-10:59 | 0.015 | 0.009 | 0.017 | 0.015 | 0.014 | 224 | 2.6 |
| 11:00-11:29 | 0.015 | 0.009 | 0.016 | 0.015 | 0.014 | 227 | 1.3 |
| 11:30-11:59 | 0.014 | 0.007 | 0.014 | 0.014 | 0.014 | 280 | 2.4 |
| 12:00-12:29 | 0.014 | 0.006 | 0.014 | 0.015 | 0.014 | 3 | 1.9 |
| 12:30-12:59 | 0.014 | 0.008 | 0.015 | 0.014 | 0.014 | 357 | 0.4 |
| 13:00-13:29 | 0.013 | 0.005 | 0.013 | 0.013 | 0.013 | 73 | 1.2 |
| 13:30-13:59 | 0.014 | 0.006 | 0.013 | 0.013 | 0.012 | 44 | 1.3 |
| 14:00-14:29 | 0.014 | 0.006 | 0.013 | 0.008 | 0.012 | 129 | 1.8 |
| 14:30-14:59 | 0.012 | 0.005 | 0.011 | 0.011 | 0.011 | 139 | 0.9 |
| 15:00-15:29 | 0.012 | 0.004 | 0.012 | 0.011 | 0.013 | 268 | 4.0 |
| 15:30-15:59 | 0.012 | 0.004 | 0.011 | 0.011 | 0.012 | 287 | 4.1 |
| 16:00-16:29 | | | 0.012 | | 0.012 | 7 | 2.6 |
| 16:30-16:59 | | | | | | 11 | 4.7 |
| 17:00-17:29 | | | | | | 358 | 5.1 |
| 17:30-17:59 | | | | | | 12 | 5.8 |
| 18:00-18:29 | | | | | | 32 | 5.6 |
| 18:30-18:59 | | | | | | 30 | 4.9 |
| **Daily Average** | **0.014** | **0.008** | **0.014** | **0.013** | **0.013** | **10** | **3.1** |

**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

## 7/21/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/22/2023

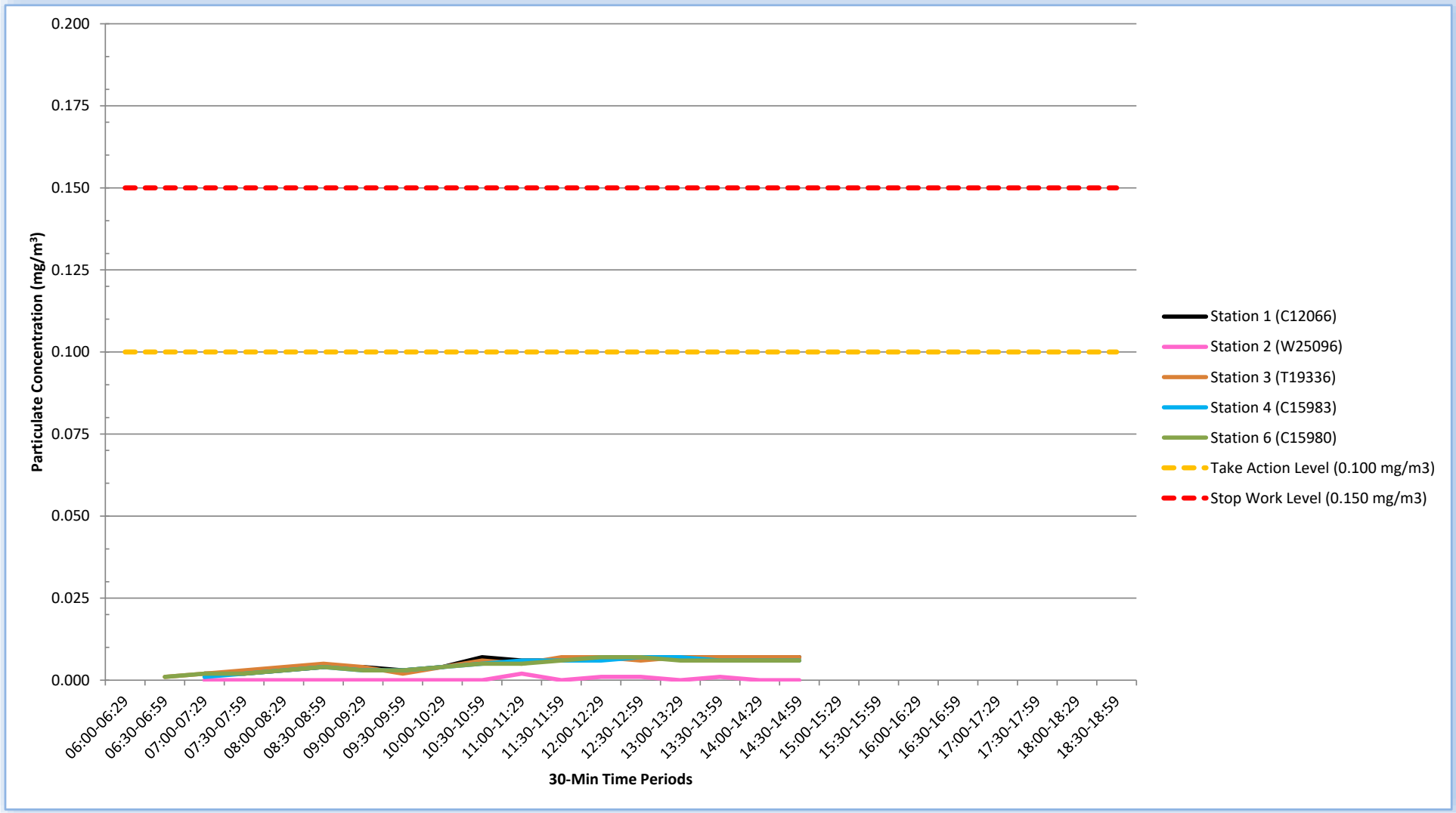
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 12 | 5.8 |
| 06:30-06:59 | | | 0.001 | | 0.001 | 14 | 6.2 |
| 07:00-07:29 | 0.002 | 0.000 | 0.002 | 0.001 | 0.002 | 14 | 6.1 |
| 07:30-07:59 | 0.002 | 0.000 | 0.003 | 0.002 | 0.002 | 9 | 6.3 |
| 08:00-08:29 | 0.003 | 0.000 | 0.004 | 0.003 | 0.003 | 11 | 6.4 |
| 08:30-08:59 | 0.004 | 0.000 | 0.005 | 0.004 | 0.004 | 9 | 6.0 |
| 09:00-09:29 | 0.004 | 0.000 | 0.004 | 0.003 | 0.003 | 16 | 6.4 |
| 09:30-09:59 | 0.003 | 0.000 | 0.002 | 0.003 | 0.003 | 27 | 7.2 |
| 10:00-10:29 | 0.004 | 0.000 | 0.004 | 0.004 | 0.004 | 17 | 6.5 |
| 10:30-10:59 | 0.007 | 0.000 | 0.006 | 0.005 | 0.005 | 19 | 7.6 |
| 11:00-11:29 | 0.006 | 0.002 | 0.005 | 0.006 | 0.005 | 8 | 8.7 |
| 11:30-11:59 | 0.006 | 0.000 | 0.007 | 0.006 | 0.006 | 12 | 8.8 |
| 12:00-12:29 | 0.007 | 0.001 | 0.007 | 0.006 | 0.007 | 6 | 6.8 |
| 12:30-12:59 | 0.007 | 0.001 | 0.006 | 0.007 | 0.007 | 12 | 6.9 |
| 13:00-13:29 | 0.007 | 0.000 | 0.007 | 0.007 | 0.006 | 347 | 7.3 |
| 13:30-13:59 | 0.007 | 0.001 | 0.007 | 0.006 | 0.006 | 7 | 6.5 |
| 14:00-14:29 | 0.007 | 0.000 | 0.007 | 0.006 | 0.006 | 15 | 6.9 |
| 14:30-14:59 | 0.007 | 0.000 | 0.007 | 0.006 | 0.006 | 14 | 6.1 |
| 15:00-15:29 | | | | | | 13 | 6.0 |
| 15:30-15:59 | | | | | | 356 | 6.9 |
| 16:00-16:29 | | | | | | 346 | 6.8 |
| 16:30-16:59 | | | | | | 349 | 8.0 |
| 17:00-17:29 | | | | | | 6 | 6.5 |
| 17:30-17:59 | | | | | | 9 | 7.0 |
| 18:00-18:29 | | | | | | 5 | 7.4 |
| 18:30-18:59 | | | | | | 9 | 7.3 |
| **Daily Average** | **0.005** | **0.000** | **0.005** | **0.005** | **0.004** | **16** | **6.9** |

**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

## 7/22/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/24/2023

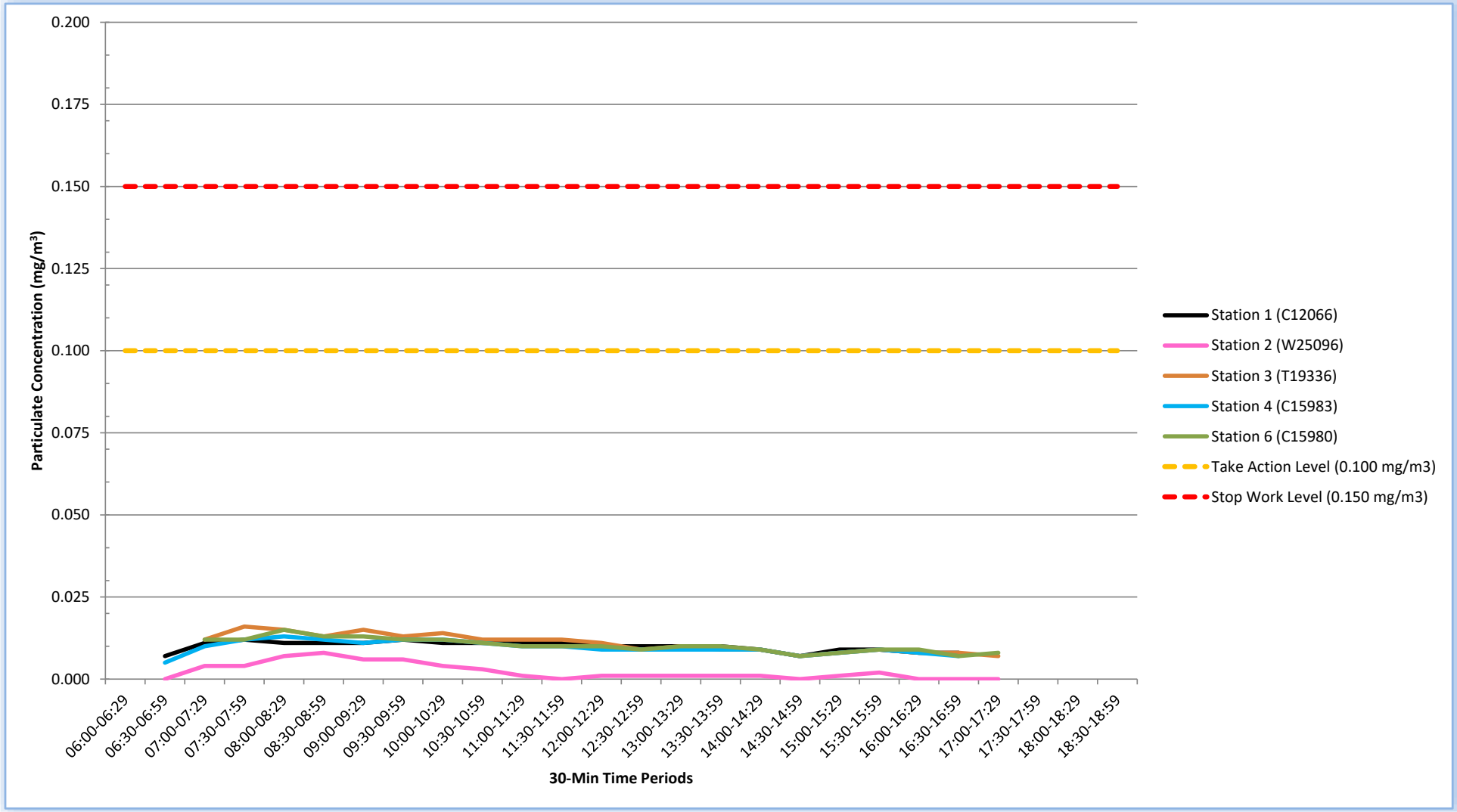
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 154 | 5.4 |
| 06:30-06:59 | 0.007 | 0.000 | | 0.005 | | 137 | 3.6 |
| 07:00-07:29 | 0.011 | 0.004 | 0.012 | 0.010 | 0.012 | 119 | 2.7 |
| 07:30-07:59 | 0.012 | 0.004 | 0.016 | 0.012 | 0.012 | 141 | 4.0 |
| 08:00-08:29 | 0.011 | 0.007 | 0.015 | 0.013 | 0.015 | 153 | 4.3 |
| 08:30-08:59 | 0.011 | 0.008 | 0.013 | 0.012 | 0.013 | 167 | 5.1 |
| 09:00-09:29 | 0.011 | 0.006 | 0.015 | 0.011 | 0.013 | 182 | 4.9 |
| 09:30-09:59 | 0.012 | 0.006 | 0.013 | 0.012 | 0.012 | 200 | 4.4 |
| 10:00-10:29 | 0.011 | 0.004 | 0.014 | 0.012 | 0.012 | 194 | 4.1 |
| 10:30-10:59 | 0.011 | 0.003 | 0.012 | 0.011 | 0.011 | 199 | 5.4 |
| 11:00-11:29 | 0.011 | 0.001 | 0.012 | 0.010 | 0.010 | 197 | 8.1 |
| 11:30-11:59 | 0.011 | 0.000 | 0.012 | 0.010 | 0.010 | 197 | 6.4 |
| 12:00-12:29 | 0.010 | 0.001 | 0.011 | 0.009 | 0.010 | 192 | 7.0 |
| 12:30-12:59 | 0.010 | 0.001 | 0.009 | 0.009 | 0.009 | 200 | 7.9 |
| 13:00-13:29 | 0.010 | 0.001 | 0.010 | 0.009 | 0.010 | 179 | 7.3 |
| 13:30-13:59 | 0.010 | 0.001 | 0.009 | 0.009 | 0.010 | 169 | 6.5 |
| 14:00-14:29 | 0.009 | 0.001 | 0.009 | 0.009 | 0.009 | 172 | 6.7 |
| 14:30-14:59 | 0.007 | 0.000 | 0.007 | 0.007 | 0.007 | 200 | 8.9 |
| 15:00-15:29 | 0.009 | 0.001 | 0.008 | 0.008 | 0.008 | 167 | 6.5 |
| 15:30-15:59 | 0.009 | 0.002 | 0.009 | 0.009 | 0.009 | 137 | 8.9 |
| 16:00-16:29 | 0.008 | 0.000 | 0.008 | 0.008 | 0.009 | 134 | 7.9 |
| 16:30-16:59 | 0.008 | 0.000 | 0.008 | 0.007 | 0.007 | 138 | 8.5 |
| 17:00-17:29 | | 0.000 | 0.007 | | 0.008 | 149 | 9.3 |
| 17:30-17:59 | | | | | | 132 | 8.5 |
| 18:00-18:29 | | | | | | 131 | 8.5 |
| 18:30-18:59 | | | | | | 139 | 8.6 |
| **Daily Average** | **0.010** | **0.002** | **0.011** | **0.010** | **0.010** | **148** | **6.5** |

**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

## 7/24/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/25/2023

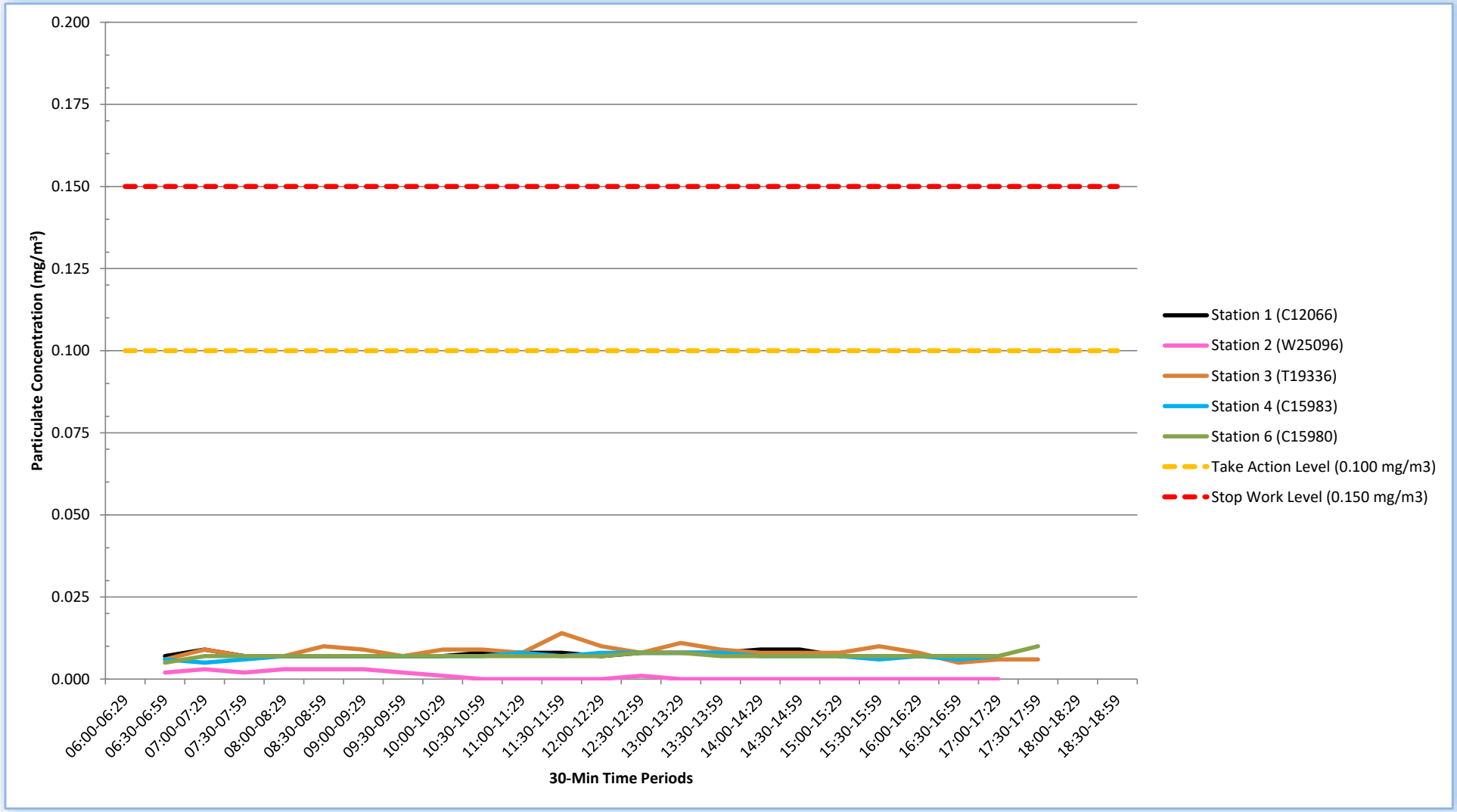
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 180 | 3.0 |
| 06:30-06:59 | 0.007 | 0.002 | 0.006 | 0.006 | 0.005 | 183 | 4.2 |
| 07:00-07:29 | 0.009 | 0.003 | 0.009 | 0.005 | 0.007 | 179 | 4.1 |
| 07:30-07:59 | 0.007 | 0.002 | 0.007 | 0.006 | 0.007 | 185 | 4.7 |
| 08:00-08:29 | 0.007 | 0.003 | 0.007 | 0.007 | 0.007 | 198 | 5.3 |
| 08:30-08:59 | 0.007 | 0.003 | 0.010 | 0.007 | 0.007 | 208 | 6.7 |
| 09:00-09:29 | 0.007 | 0.003 | 0.009 | 0.007 | 0.007 | 212 | 5.9 |
| 09:30-09:59 | 0.007 | 0.002 | 0.007 | 0.007 | 0.007 | 210 | 5.7 |
| 10:00-10:29 | 0.007 | 0.001 | 0.009 | 0.007 | 0.007 | 222 | 5.9 |
| 10:30-10:59 | 0.008 | 0.000 | 0.009 | 0.007 | 0.007 | 228 | 7.8 |
| 11:00-11:29 | 0.008 | 0.000 | 0.008 | 0.008 | 0.007 | 221 | 8.6 |
| 11:30-11:59 | 0.008 | 0.000 | 0.014 | 0.007 | 0.007 | 223 | 9.7 |
| 12:00-12:29 | 0.007 | 0.000 | 0.010 | 0.008 | 0.007 | 204 | 10.0 |
| 12:30-12:59 | 0.008 | 0.001 | 0.008 | 0.008 | 0.008 | 183 | 10.6 |
| 13:00-13:29 | 0.008 | 0.000 | 0.011 | 0.008 | 0.008 | 182 | 9.9 |
| 13:30-13:59 | 0.008 | 0.000 | 0.009 | 0.008 | 0.007 | 207 | 10.4 |
| 14:00-14:29 | 0.009 | 0.000 | 0.008 | 0.007 | 0.007 | 206 | 10.5 |
| 14:30-14:59 | 0.009 | 0.000 | 0.008 | 0.007 | 0.007 | 214 | 7.2 |
| 15:00-15:29 | 0.007 | 0.000 | 0.008 | 0.007 | 0.007 | 184 | 11.0 |
| 15:30-15:59 | 0.007 | 0.000 | 0.010 | 0.006 | 0.007 | 179 | 9.6 |
| 16:00-16:29 | 0.007 | 0.000 | 0.008 | 0.007 | 0.007 | 180 | 10.0 |
| 16:30-16:59 | 0.007 | 0.000 | 0.005 | 0.006 | 0.007 | 183 | 10.1 |
| 17:00-17:29 | 0.007 | 0.000 | 0.006 | 0.007 | 0.007 | 174 | 10.7 |
| 17:30-17:59 | | | 0.006 | | 0.010 | 180 | 11.3 |
| 18:00-18:29 | | | | | | 171 | 10.8 |
| 18:30-18:59 | | | | | | 170 | 10.4 |
| **Daily Average** | **0.008** | **0.001** | **0.008** | **0.007** | **0.007** | **179** | **8.2** |

**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

## 7/25/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/26/2023

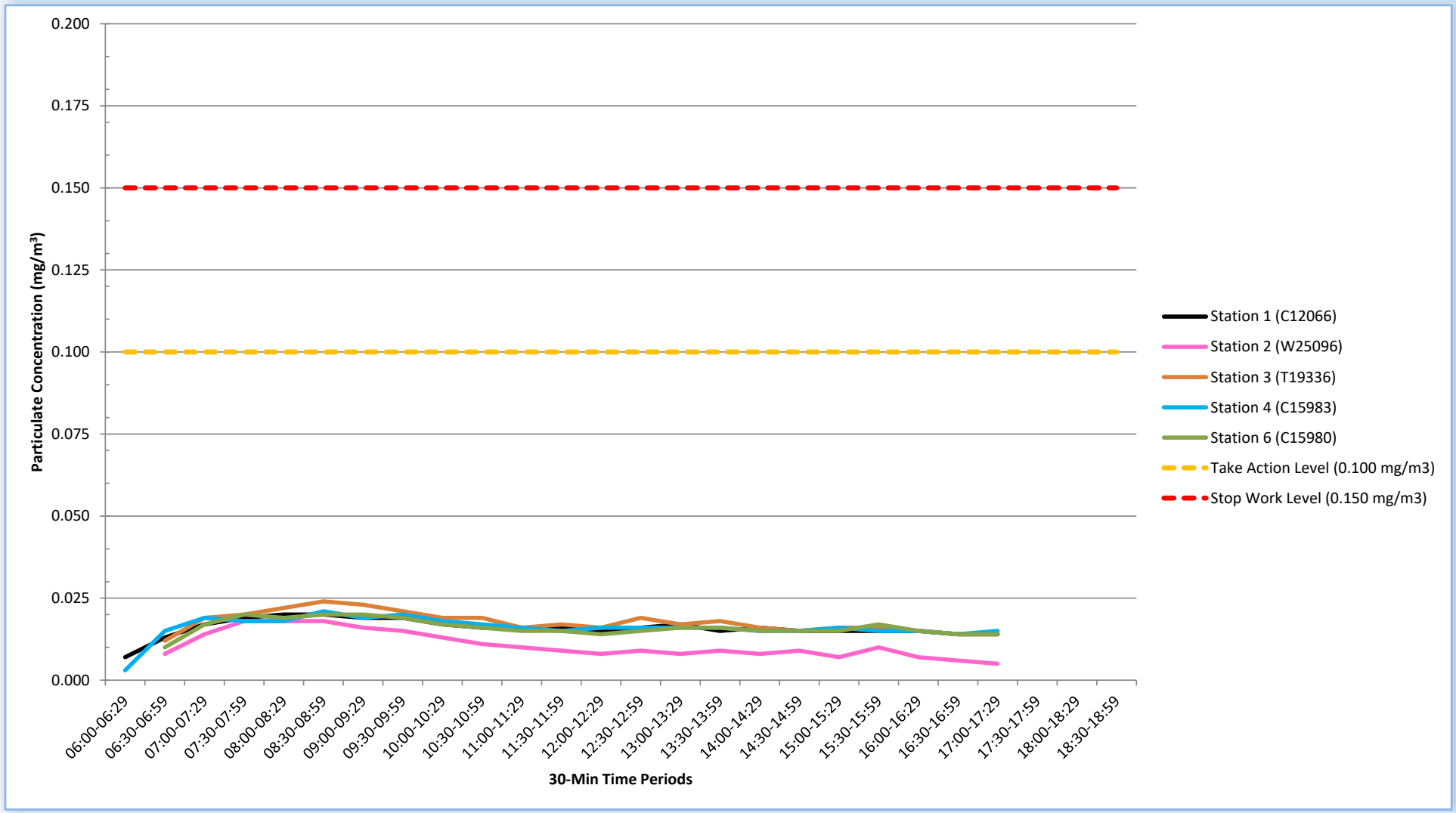
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | 0.007 | | | 0.003 | | 186 | 7.1 |
| 06:30-06:59 | 0.013 | 0.008 | 0.012 | 0.015 | 0.010 | 187 | 7.0 |
| 07:00-07:29 | 0.017 | 0.014 | 0.019 | 0.019 | 0.017 | 193 | 5.0 |
| 07:30-07:59 | 0.019 | 0.018 | 0.020 | 0.018 | 0.020 | 193 | 5.9 |
| 08:00-08:29 | 0.020 | 0.018 | 0.022 | 0.018 | 0.019 | 194 | 7.0 |
| 08:30-08:59 | 0.020 | 0.018 | 0.024 | 0.021 | 0.020 | 193 | 9.4 |
| 09:00-09:29 | 0.019 | 0.016 | 0.023 | 0.019 | 0.020 | 197 | 10.2 |
| 09:30-09:59 | 0.019 | 0.015 | 0.021 | 0.020 | 0.019 | 199 | 10.3 |
| 10:00-10:29 | 0.017 | 0.013 | 0.019 | 0.018 | 0.017 | 205 | 9.5 |
| 10:30-10:59 | 0.016 | 0.011 | 0.019 | 0.017 | 0.016 | 198 | 10.8 |
| 11:00-11:29 | 0.016 | 0.010 | 0.016 | 0.016 | 0.015 | 189 | 10.8 |
| 11:30-11:59 | 0.016 | 0.009 | 0.017 | 0.015 | 0.015 | 190 | 11.9 |
| 12:00-12:29 | 0.015 | 0.008 | 0.016 | 0.016 | 0.014 | 191 | 11.5 |
| 12:30-12:59 | 0.016 | 0.009 | 0.019 | 0.016 | 0.015 | 203 | 11.9 |
| 13:00-13:29 | 0.017 | 0.008 | 0.017 | 0.016 | 0.016 | 206 | 10.7 |
| 13:30-13:59 | 0.015 | 0.009 | 0.018 | 0.016 | 0.016 | 183 | 11.4 |
| 14:00-14:29 | 0.016 | 0.008 | 0.016 | 0.015 | 0.015 | 183 | 10.2 |
| 14:30-14:59 | 0.015 | 0.009 | 0.015 | 0.015 | 0.015 | 181 | 9.8 |
| 15:00-15:29 | 0.015 | 0.007 | 0.016 | 0.016 | 0.015 | 164 | 11.2 |
| 15:30-15:59 | 0.015 | 0.010 | 0.016 | 0.015 | 0.017 | 177 | 10.5 |
| 16:00-16:29 | 0.015 | 0.007 | 0.015 | 0.015 | 0.015 | 170 | 11.8 |
| 16:30-16:59 | 0.014 | 0.006 | 0.014 | 0.014 | 0.014 | 168 | 10.9 |
| 17:00-17:29 | 0.014 | 0.005 | 0.014 | 0.015 | 0.014 | 166 | 11.8 |
| 17:30-17:59 | | | | | | 171 | 11.8 |
| 18:00-18:29 | | | | | | 177 | 10.0 |
| 18:30-18:59 | | | | | | 167 | 9.6 |
| **Daily Average** | **0.016** | **0.011** | **0.018** | **0.016** | **0.016** | **176** | **9.9** |

**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

## 7/26/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/27/2023

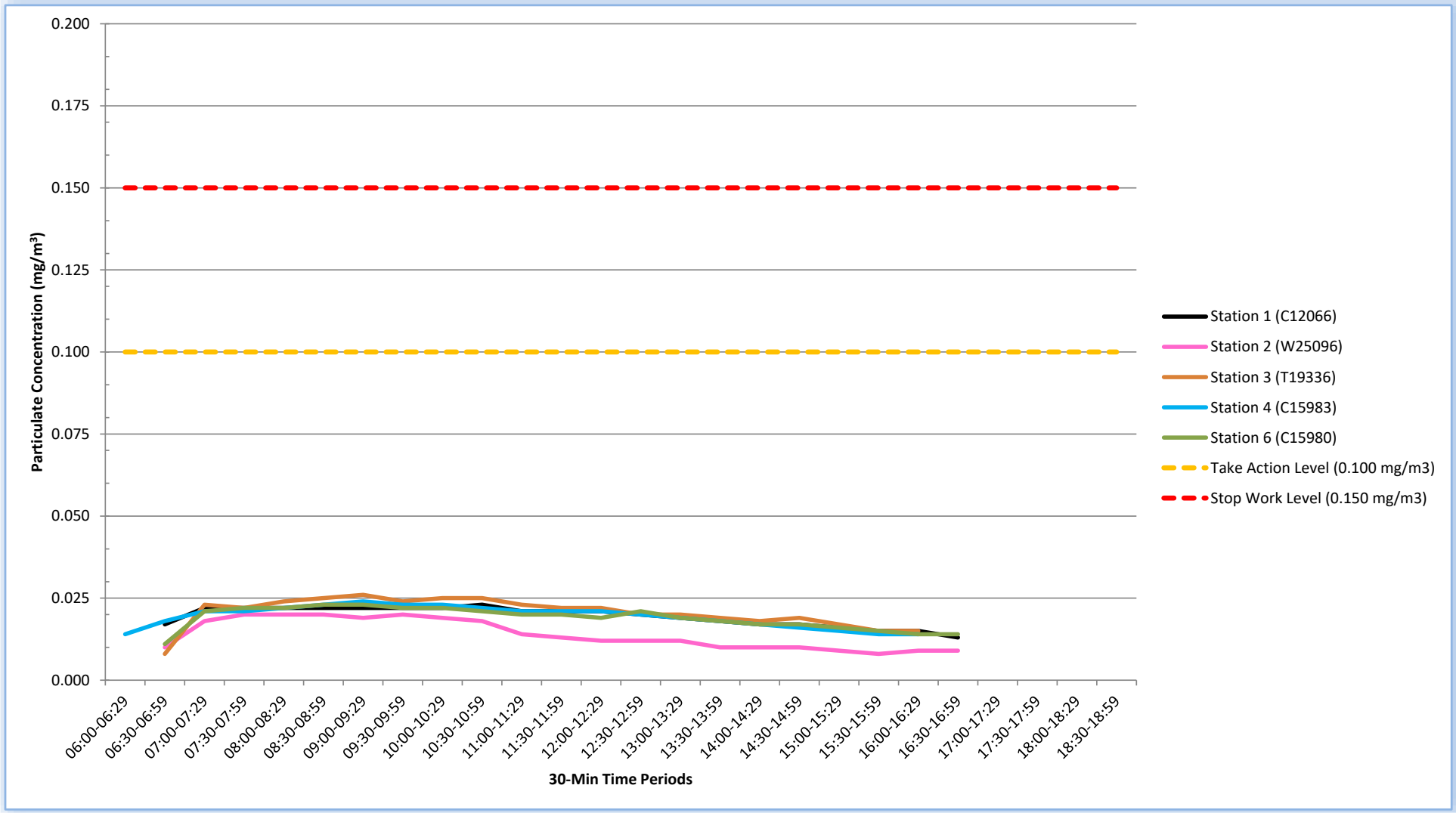
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | 0.014 | | 188 | 6.5 |
| 06:30-06:59 | 0.017 | 0.010 | 0.008 | 0.018 | 0.011 | 185 | 6.6 |
| 07:00-07:29 | 0.022 | 0.018 | 0.023 | 0.021 | 0.021 | 184 | 7.1 |
| 07:30-07:59 | 0.022 | 0.020 | 0.022 | 0.021 | 0.022 | 186 | 7.4 |
| 08:00-08:29 | 0.022 | 0.020 | 0.024 | 0.022 | 0.022 | 192 | 6.8 |
| 08:30-08:59 | 0.022 | 0.020 | 0.025 | 0.023 | 0.023 | 191 | 7.7 |
| 09:00-09:29 | 0.022 | 0.019 | 0.026 | 0.024 | 0.023 | 193 | 7.2 |
| 09:30-09:59 | 0.022 | 0.020 | 0.024 | 0.023 | 0.022 | 196 | 7.9 |
| 10:00-10:29 | 0.022 | 0.019 | 0.025 | 0.023 | 0.022 | 198 | 6.5 |
| 10:30-10:59 | 0.023 | 0.018 | 0.025 | 0.022 | 0.021 | 207 | 8.1 |
| 11:00-11:29 | 0.021 | 0.014 | 0.023 | 0.021 | 0.020 | 195 | 9.3 |
| 11:30-11:59 | 0.021 | 0.013 | 0.022 | 0.021 | 0.020 | 195 | 9.4 |
| 12:00-12:29 | 0.021 | 0.012 | 0.022 | 0.021 | 0.019 | 206 | 11.1 |
| 12:30-12:59 | 0.020 | 0.012 | 0.020 | 0.020 | 0.021 | 213 | 9.8 |
| 13:00-13:29 | 0.019 | 0.012 | 0.020 | 0.019 | 0.019 | 175 | 8.4 |
| 13:30-13:59 | 0.018 | 0.010 | 0.019 | 0.018 | 0.018 | 174 | 9.7 |
| 14:00-14:29 | 0.017 | 0.010 | 0.018 | 0.017 | 0.017 | 197 | 8.5 |
| 14:30-14:59 | 0.017 | 0.010 | 0.019 | 0.016 | 0.017 | 171 | 8.8 |
| 15:00-15:29 | 0.016 | 0.009 | 0.017 | 0.015 | 0.016 | 169 | 9.1 |
| 15:30-15:59 | 0.015 | 0.008 | 0.015 | 0.014 | 0.015 | 163 | 10.4 |
| 16:00-16:29 | 0.015 | 0.009 | 0.015 | 0.014 | 0.014 | 159 | 10.1 |
| 16:30-16:59 | 0.013 | 0.009 | | | 0.014 | 160 | 10.8 |
| 17:00-17:29 | | | | | | 185 | 11.9 |
| 17:30-17:59 | | | | | | 185 | 10.7 |
| 18:00-18:29 | | | | | | 183 | 11.0 |
| 18:30-18:59 | | | | | | 176 | 10.3 |
| **Daily Average** | **0.019** | **0.014** | **0.021** | **0.019** | **0.019** | **174** | **8.9** |

**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

## 7/27/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/28/2023

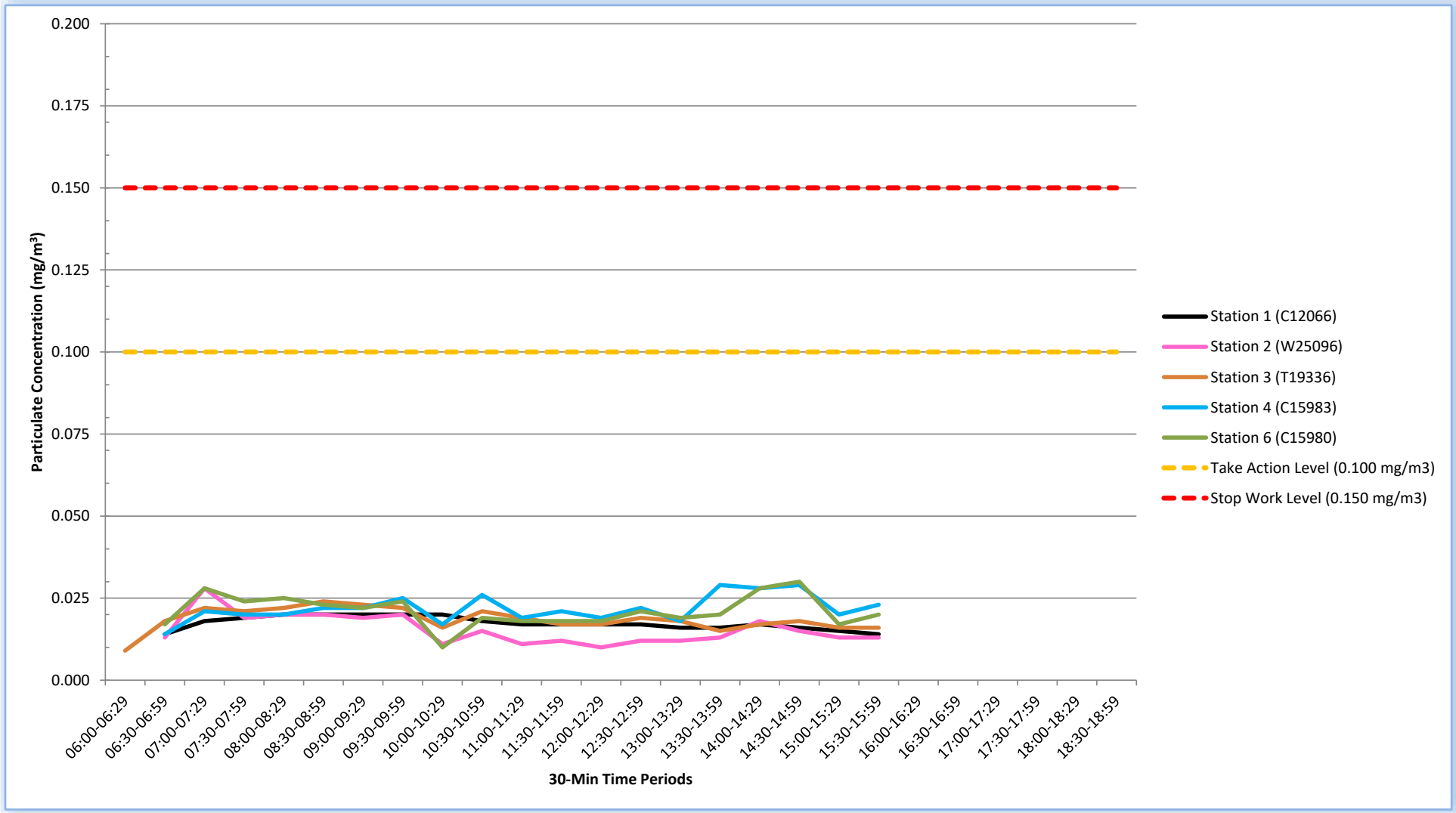
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | 0.009 | | | 211 | 4.5 |
| 06:30-06:59 | 0.014 | 0.013 | 0.018 | 0.014 | 0.017 | 211 | 3.5 |
| 07:00-07:29 | 0.018 | 0.028 | 0.022 | 0.021 | 0.028 | 204 | 5.0 |
| 07:30-07:59 | 0.019 | 0.019 | 0.021 | 0.020 | 0.024 | 199 | 6.0 |
| 08:00-08:29 | 0.020 | 0.020 | 0.022 | 0.020 | 0.025 | 197 | 7.4 |
| 08:30-08:59 | 0.020 | 0.020 | 0.024 | 0.022 | 0.023 | 207 | 6.8 |
| 09:00-09:29 | 0.020 | 0.019 | 0.023 | 0.022 | 0.022 | 201 | 6.5 |
| 09:30-09:59 | 0.020 | 0.020 | 0.022 | 0.025 | 0.024 | 195 | 6.5 |
| 10:00-10:29 | 0.020 | 0.011 | 0.016 | 0.017 | 0.010 | 206 | 6.9 |
| 10:30-10:59 | 0.018 | 0.015 | 0.021 | 0.026 | 0.019 | 213 | 8.6 |
| 11:00-11:29 | 0.017 | 0.011 | 0.019 | 0.019 | 0.018 | 205 | 9.6 |
| 11:30-11:59 | 0.017 | 0.012 | 0.017 | 0.021 | 0.018 | 198 | 10.2 |
| 12:00-12:29 | 0.017 | 0.010 | 0.017 | 0.019 | 0.018 | 196 | 9.9 |
| 12:30-12:59 | 0.017 | 0.012 | 0.019 | 0.022 | 0.021 | 198 | 9.0 |
| 13:00-13:29 | 0.016 | 0.012 | 0.018 | 0.018 | 0.019 | 167 | 9.5 |
| 13:30-13:59 | 0.016 | 0.013 | 0.015 | 0.029 | 0.020 | 171 | 8.9 |
| 14:00-14:29 | 0.017 | 0.018 | 0.017 | 0.028 | 0.028 | 167 | 10.4 |
| 14:30-14:59 | 0.016 | 0.015 | 0.018 | 0.029 | 0.030 | 168 | 10.7 |
| 15:00-15:29 | 0.015 | 0.013 | 0.016 | 0.020 | 0.017 | 194 | 8.5 |
| 15:30-15:59 | 0.014 | 0.013 | 0.016 | 0.023 | 0.020 | 173 | 8.9 |
| 16:00-16:29 | | | | | | 154 | 9.5 |
| 16:30-16:59 | | | | | | 165 | 8.7 |
| 17:00-17:29 | | | | | | 167 | 7.4 |
| 17:30-17:59 | | | | | | 179 | 7.4 |
| 18:00-18:29 | | | | | | 171 | 8.3 |
| 18:30-18:59 | | | | | | 175 | 6.7 |
| **Daily Average** | **0.017** | **0.015** | **0.019** | **0.022** | **0.021** | **176** | **7.9** |

**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

## 7/28/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 7/31/2023

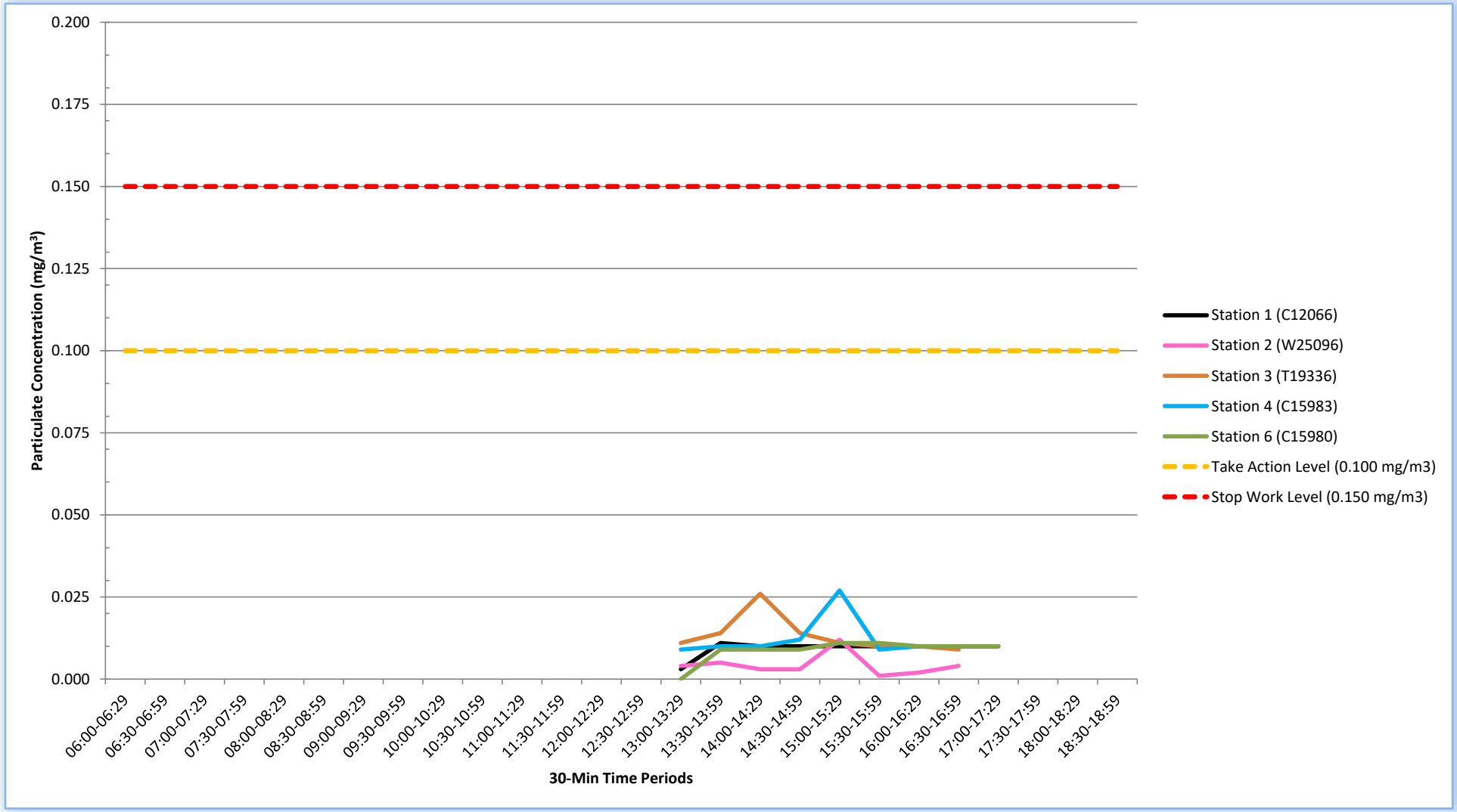
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 113 | 4.4 |
| 06:30-06:59 | | | | | | 112 | 4.8 |
| 07:00-07:29 | | | | | | 115 | 4.7 |
| 07:30-07:59 | | | | | | 115 | 5.2 |
| 08:00-08:29 | | | | | | 122 | 4.7 |
| 08:30-08:59 | | | | | | 129 | 4.0 |
| 09:00-09:29 | | | | | | 158 | 5.3 |
| 09:30-09:59 | | | | | | | |
| 10:00-10:29 | | | | | | | |
| 10:30-10:59 | | | | | | | |
| 11:00-11:29 | | | | | | | |
| 11:30-11:59 | | | | | | | |
| 12:00-12:29 | | | | | | | |
| 12:30-12:59 | | | | | | | |
| 13:00-13:29 | 0.003 | 0.004 | 0.011 | 0.009 | 0.000 | 200 | 7.5 |
| 13:30-13:59 | 0.011 | 0.005 | 0.014 | 0.010 | 0.009 | 203 | 7.6 |
| 14:00-14:29 | 0.010 | 0.003 | 0.026 | 0.010 | 0.009 | 180 | 9.6 |
| 14:30-14:59 | 0.010 | 0.003 | 0.014 | 0.012 | 0.009 | 220 | 7.3 |
| 15:00-15:29 | 0.010 | 0.012 | 0.011 | 0.027 | 0.011 | 179 | 6.4 |
| 15:30-15:59 | 0.010 | 0.001 | 0.010 | 0.009 | 0.011 | 169 | 4.6 |
| 16:00-16:29 | 0.010 | 0.002 | 0.010 | 0.010 | 0.010 | 186 | 6.7 |
| 16:30-16:59 | 0.010 | 0.004 | 0.009 | 0.010 | 0.010 | 207 | 8.3 |
| 17:00-17:29 | 0.010 | | | | 0.010 | | |
| 17:30-17:59 | | | | | | | |
| 18:00-18:29 | | | | | | | |
| 18:30-18:59 | | | | | | | |
| **Daily Average** | **0.009** | **0.004** | **0.013** | **0.012** | **0.009** | **142** | **6.1** |

**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

## 7/31/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/8/2023

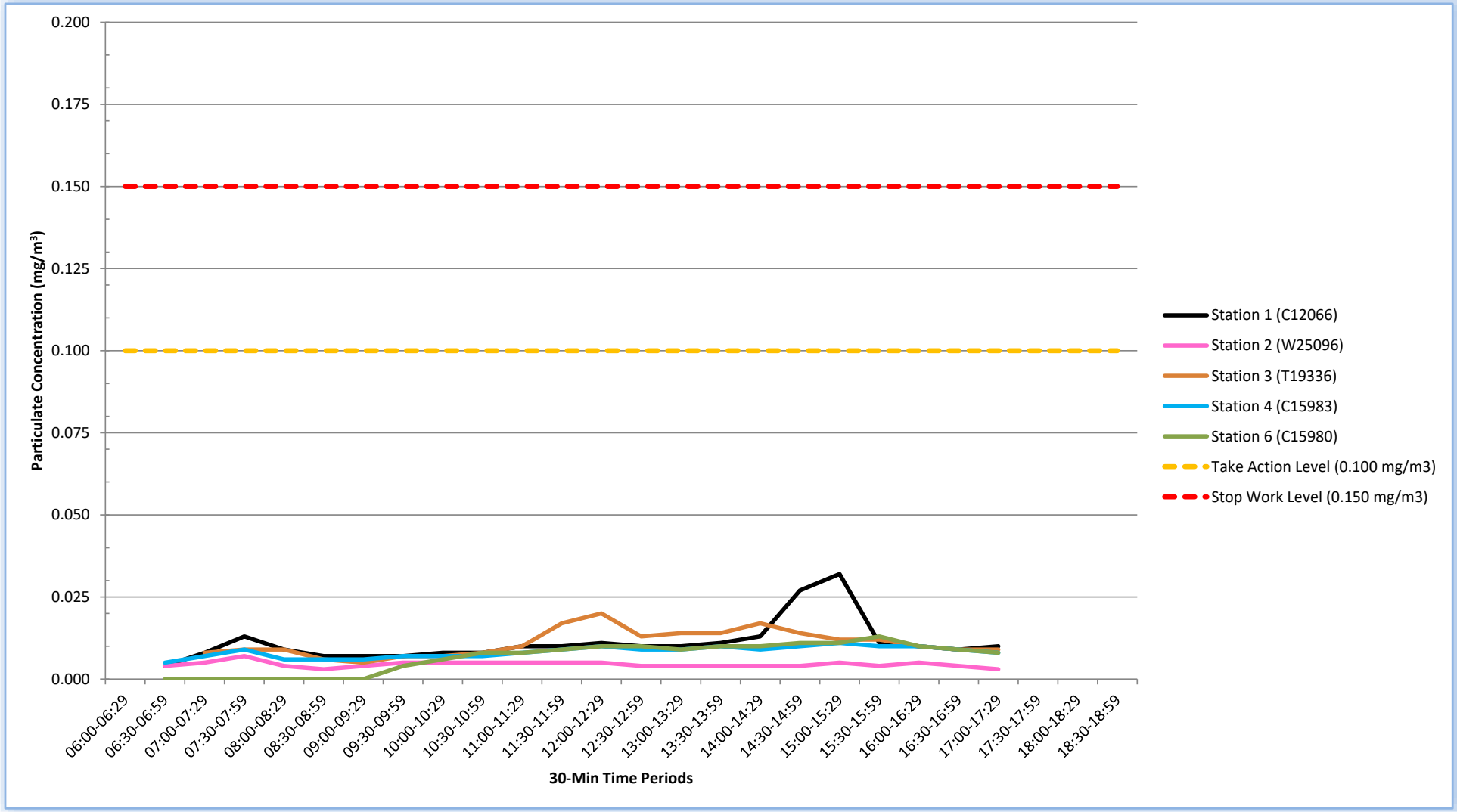
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 191 | 5.8 |
| 06:30-06:59 | 0.004 | 0.004 | | 0.005 | 0.000 | 180 | 5.9 |
| 07:00-07:29 | 0.008 | 0.005 | 0.008 | 0.007 | 0.000 | 3 | 3.9 |
| 07:30-07:59 | 0.013 | 0.007 | 0.009 | 0.009 | 0.000 | 68 | 3.4 |
| 08:00-08:29 | 0.009 | 0.004 | 0.009 | 0.006 | 0.000 | 56 | 8.5 |
| 08:30-08:59 | 0.007 | 0.003 | 0.006 | 0.006 | 0.000 | 74 | 10.1 |
| 09:00-09:29 | 0.007 | 0.004 | 0.005 | 0.006 | 0.000 | 88 | 11.7 |
| 09:30-09:59 | 0.007 | 0.005 | 0.007 | 0.007 | 0.004 | 93 | 12.1 |
| 10:00-10:29 | 0.008 | 0.005 | 0.007 | 0.007 | 0.006 | 97 | 12.7 |
| 10:30-10:59 | 0.008 | 0.005 | 0.008 | 0.007 | 0.008 | 96 | 12.8 |
| 11:00-11:29 | 0.010 | 0.005 | 0.010 | 0.008 | 0.008 | 100 | 14.0 |
| 11:30-11:59 | 0.010 | 0.005 | 0.017 | 0.009 | 0.009 | 106 | 13.9 |
| 12:00-12:29 | 0.011 | 0.005 | 0.020 | 0.010 | 0.010 | 112 | 12.5 |
| 12:30-12:59 | 0.010 | 0.004 | 0.013 | 0.009 | 0.010 | 104 | 12.5 |
| 13:00-13:29 | 0.010 | 0.004 | 0.014 | 0.009 | 0.009 | 99 | 10.7 |
| 13:30-13:59 | 0.011 | 0.004 | 0.014 | 0.010 | 0.010 | 98 | 10.6 |
| 14:00-14:29 | 0.013 | 0.004 | 0.017 | 0.009 | 0.010 | 114 | 8.6 |
| 14:30-14:59 | 0.027 | 0.004 | 0.014 | 0.010 | 0.011 | 147 | 6.3 |
| 15:00-15:29 | 0.032 | 0.005 | 0.012 | 0.011 | 0.011 | 168 | 8.6 |
| 15:30-15:59 | 0.011 | 0.004 | 0.012 | 0.010 | 0.013 | 177 | 10.9 |
| 16:00-16:29 | 0.010 | 0.005 | 0.010 | 0.010 | 0.010 | 175 | 8.6 |
| 16:30-16:59 | 0.009 | 0.004 | 0.009 | 0.009 | 0.009 | 169 | 9.9 |
| 17:00-17:29 | 0.010 | 0.003 | 0.009 | 0.008 | 0.008 | 162 | 9.8 |
| 17:30-17:59 | | | | | | 155 | 8.6 |
| 18:00-18:29 | | | | | | 142 | 8.9 |
| 18:30-18:59 | | | | | | 135 | 10.6 |
| **Daily Average** | **0.011** | **0.004** | **0.011** | **0.008** | **0.007** | **141** | **9.7** |

**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

## 8/8/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/9/2023

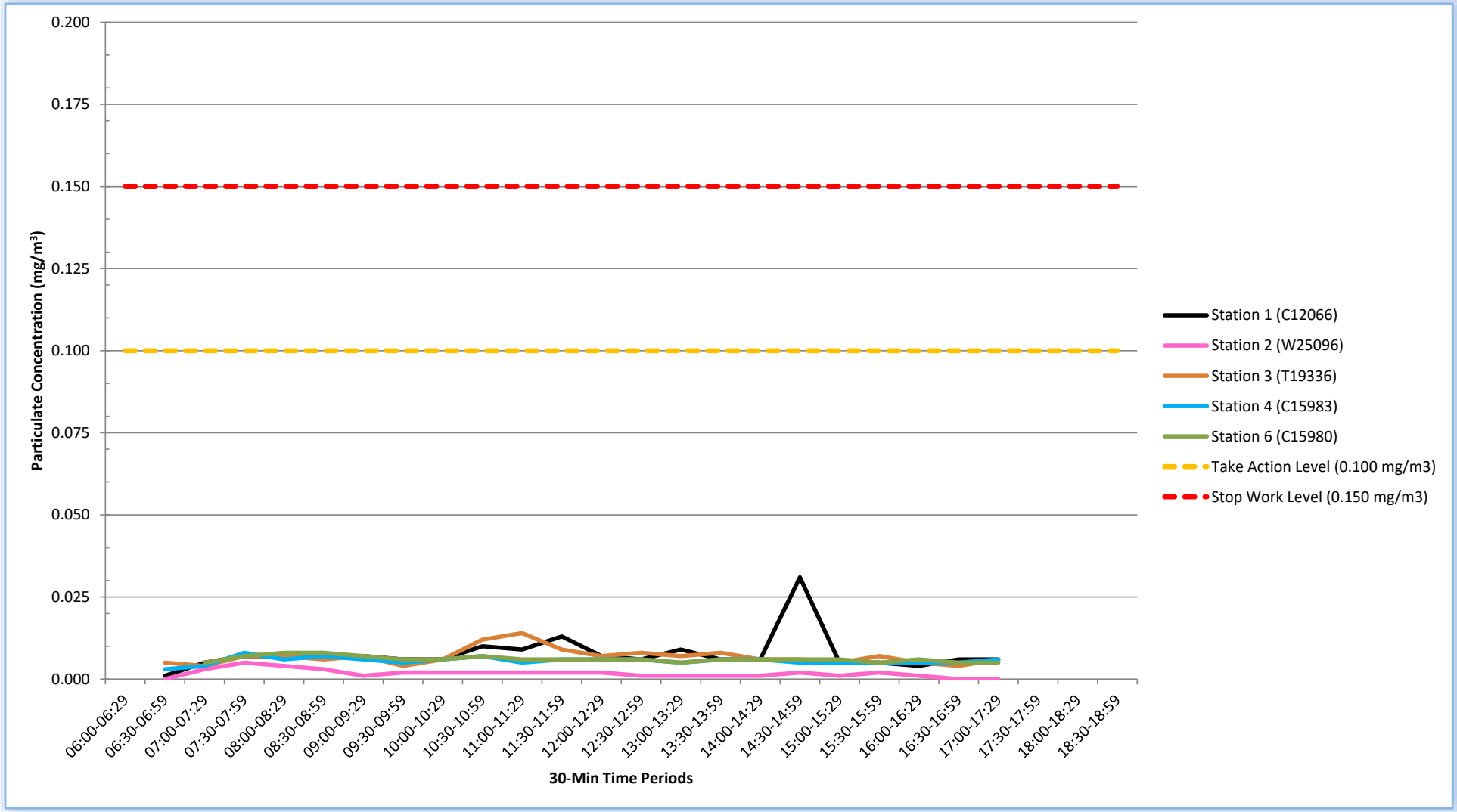
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 206 | 9.8 |
| 06:30-06:59 | 0.001 | 0.000 | 0.005 | 0.003 | | 194 | 10.5 |
| 07:00-07:29 | 0.005 | 0.003 | 0.004 | 0.004 | 0.005 | 190 | 11.0 |
| 07:30-07:59 | 0.007 | 0.005 | 0.007 | 0.008 | 0.007 | 192 | 10.2 |
| 08:00-08:29 | 0.007 | 0.004 | 0.007 | 0.006 | 0.008 | 192 | 12.7 |
| 08:30-08:59 | 0.007 | 0.003 | 0.006 | 0.007 | 0.008 | 196 | 13.1 |
| 09:00-09:29 | 0.007 | 0.001 | 0.007 | 0.006 | 0.007 | 196 | 12.9 |
| 09:30-09:59 | 0.006 | 0.002 | 0.004 | 0.005 | 0.006 | 199 | 13.5 |
| 10:00-10:29 | 0.006 | 0.002 | 0.006 | 0.006 | 0.006 | 198 | 14.1 |
| 10:30-10:59 | 0.010 | 0.002 | 0.012 | 0.007 | 0.007 | 200 | 12.9 |
| 11:00-11:29 | 0.009 | 0.002 | 0.014 | 0.005 | 0.006 | 202 | 14.9 |
| 11:30-11:59 | 0.013 | 0.002 | 0.009 | 0.006 | 0.006 | 193 | 13.7 |
| 12:00-12:29 | 0.007 | 0.002 | 0.007 | 0.006 | 0.006 | 201 | 12.6 |
| 12:30-12:59 | 0.006 | 0.001 | 0.008 | 0.006 | 0.006 | 206 | 14.2 |
| 13:00-13:29 | 0.009 | 0.001 | 0.007 | 0.005 | 0.005 | 207 | 15.7 |
| 13:30-13:59 | 0.006 | 0.001 | 0.008 | 0.006 | 0.006 | 201 | 14.0 |
| 14:00-14:29 | 0.006 | 0.001 | 0.006 | 0.006 | 0.006 | 191 | 12.4 |
| 14:30-14:59 | 0.031 | 0.002 | 0.006 | 0.005 | 0.006 | 199 | 13.3 |
| 15:00-15:29 | 0.005 | 0.001 | 0.005 | 0.005 | 0.006 | 202 | 13.6 |
| 15:30-15:59 | 0.005 | 0.002 | 0.007 | 0.005 | 0.005 | 196 | 14.3 |
| 16:00-16:29 | 0.004 | 0.001 | 0.005 | 0.005 | 0.006 | 204 | 13.8 |
| 16:30-16:59 | 0.006 | 0.000 | 0.004 | 0.005 | 0.005 | 199 | 12.3 |
| 17:00-17:29 | 0.006 | 0.000 | 0.006 | 0.006 | 0.005 | 186 | 13.9 |
| 17:30-17:59 | | | | | | 189 | 14.8 |
| 18:00-18:29 | | | | | | 191 | 14.8 |
| 18:30-18:59 | | | | | | 190 | 15.2 |
| **Daily Average** | **0.008** | **0.002** | **0.007** | **0.006** | **0.006** | **189** | **13.2** |

**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

## 8/9/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/10/2023

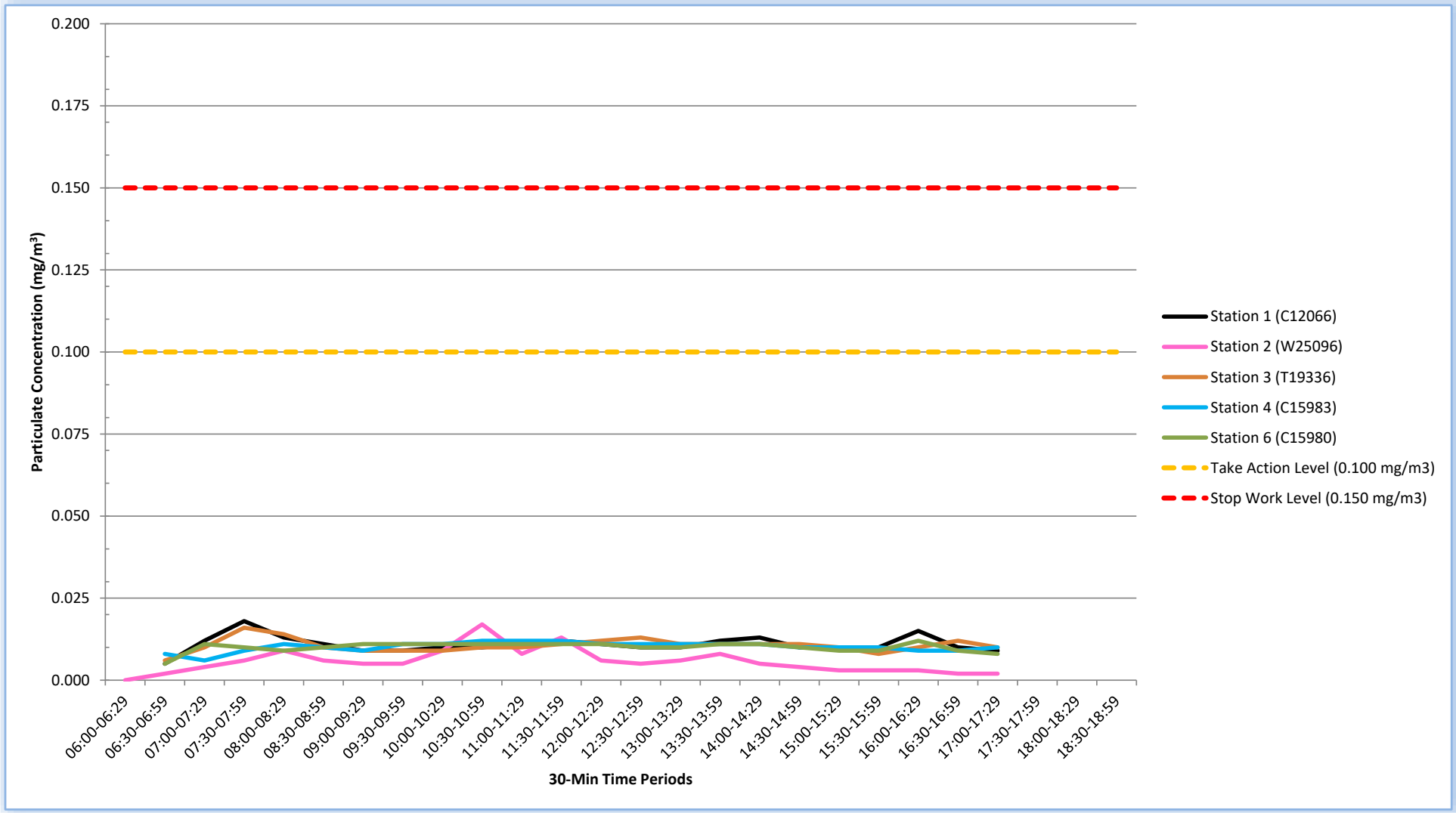
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | 0.000 | | | | 235 | 0.8 |
| 06:30-06:59 | 0.005 | 0.002 | 0.006 | 0.008 | 0.005 | 242 | 1.1 |
| 07:00-07:29 | 0.012 | 0.004 | 0.010 | 0.006 | 0.011 | 326 | 1.7 |
| 07:30-07:59 | 0.018 | 0.006 | 0.016 | 0.009 | 0.010 | 343 | 2.4 |
| 08:00-08:29 | 0.013 | 0.009 | 0.014 | 0.011 | 0.009 | 337 | 1.2 |
| 08:30-08:59 | 0.011 | 0.006 | 0.010 | 0.010 | 0.010 | 261 | 2.1 |
| 09:00-09:29 | 0.009 | 0.005 | 0.009 | 0.009 | 0.011 | 259 | 5.0 |
| 09:30-09:59 | 0.009 | 0.005 | 0.009 | 0.011 | 0.011 | 268 | 6.5 |
| 10:00-10:29 | 0.010 | 0.009 | 0.009 | 0.011 | 0.011 | 268 | 6.0 |
| 10:30-10:59 | 0.010 | 0.017 | 0.010 | 0.012 | 0.011 | 234 | 7.2 |
| 11:00-11:29 | 0.011 | 0.008 | 0.010 | 0.012 | 0.011 | 228 | 7.9 |
| 11:30-11:59 | 0.012 | 0.013 | 0.011 | 0.012 | 0.011 | 220 | 7.8 |
| 12:00-12:29 | 0.011 | 0.006 | 0.012 | 0.011 | 0.011 | 224 | 7.9 |
| 12:30-12:59 | 0.010 | 0.005 | 0.013 | 0.011 | 0.010 | 257 | 7.4 |
| 13:00-13:29 | 0.010 | 0.006 | 0.011 | 0.011 | 0.010 | 263 | 7.1 |
| 13:30-13:59 | 0.012 | 0.008 | 0.011 | 0.011 | 0.011 | 196 | 5.5 |
| 14:00-14:29 | 0.013 | 0.005 | 0.011 | 0.011 | 0.011 | 189 | 2.4 |
| 14:30-14:59 | 0.010 | 0.004 | 0.011 | 0.010 | 0.010 | 197 | 6.4 |
| 15:00-15:29 | 0.010 | 0.003 | 0.010 | 0.010 | 0.009 | 222 | 2.8 |
| 15:30-15:59 | 0.010 | 0.003 | 0.008 | 0.010 | 0.009 | 207 | 5.9 |
| 16:00-16:29 | 0.015 | 0.003 | 0.010 | 0.009 | 0.012 | 185 | 2.3 |
| 16:30-16:59 | 0.010 | 0.002 | 0.012 | 0.009 | 0.009 | 201 | 4.5 |
| 17:00-17:29 | 0.009 | 0.002 | 0.010 | 0.010 | 0.008 | 201 | 4.2 |
| 17:30-17:59 | | | | | | 186 | 4.6 |
| 18:00-18:29 | | | | | | 162 | 4.5 |
| 18:30-18:59 | | | | | | 168 | 5.8 |
| **Daily Average** | **0.011** | **0.006** | **0.011** | **0.010** | **0.010** | **198** | **4.7** |

**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

## 8/10/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/11/2023

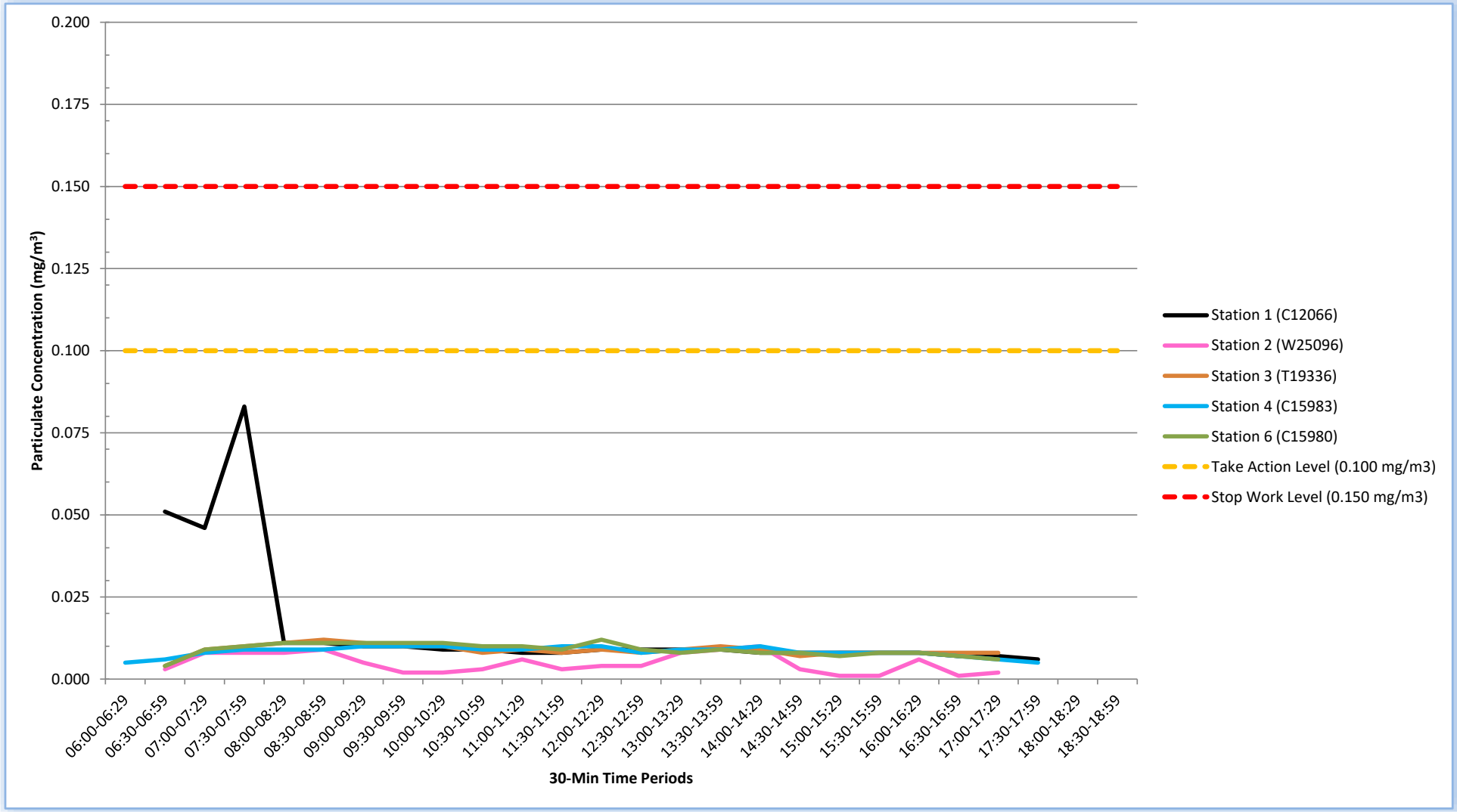
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | 0.005 | | 189 | 9.4 |
| 06:30-06:59 | 0.051 | 0.003 | 0.004 | 0.006 | 0.004 | 192 | 8.8 |
| 07:00-07:29 | 0.046 | 0.008 | 0.009 | 0.008 | 0.009 | 189 | 9.7 |
| 07:30-07:59 | 0.083 | 0.008 | 0.010 | 0.009 | 0.010 | 188 | 8.6 |
| 08:00-08:29 | 0.011 | 0.008 | 0.011 | 0.009 | 0.011 | 181 | 9.9 |
| 08:30-08:59 | 0.011 | 0.009 | 0.012 | 0.009 | 0.011 | 186 | 9.0 |
| 09:00-09:29 | 0.010 | 0.005 | 0.011 | 0.010 | 0.011 | 182 | 8.1 |
| 09:30-09:59 | 0.010 | 0.002 | 0.010 | 0.010 | 0.011 | 187 | 8.7 |
| 10:00-10:29 | 0.009 | 0.002 | 0.010 | 0.010 | 0.011 | 178 | 9.3 |
| 10:30-10:59 | 0.009 | 0.003 | 0.008 | 0.009 | 0.010 | 199 | 11.5 |
| 11:00-11:29 | 0.008 | 0.006 | 0.009 | 0.009 | 0.010 | 203 | 12.6 |
| 11:30-11:59 | 0.008 | 0.003 | 0.008 | 0.010 | 0.009 | 191 | 13.2 |
| 12:00-12:29 | 0.009 | 0.004 | 0.009 | 0.010 | 0.012 | 202 | 14.1 |
| 12:30-12:59 | 0.009 | 0.004 | 0.008 | 0.008 | 0.009 | 195 | 13.7 |
| 13:00-13:29 | 0.009 | 0.008 | 0.009 | 0.009 | 0.008 | 198 | 12.5 |
| 13:30-13:59 | 0.009 | 0.009 | 0.010 | 0.009 | 0.009 | 193 | 12.4 |
| 14:00-14:29 | 0.008 | 0.010 | 0.009 | 0.010 | 0.008 | 193 | 13.0 |
| 14:30-14:59 | 0.008 | 0.003 | 0.007 | 0.008 | 0.008 | 198 | 13.3 |
| 15:00-15:29 | 0.008 | 0.001 | 0.008 | 0.008 | 0.007 | 191 | 11.9 |
| 15:30-15:59 | 0.008 | 0.001 | 0.008 | 0.008 | 0.008 | 202 | 9.7 |
| 16:00-16:29 | 0.008 | 0.006 | 0.008 | 0.008 | 0.008 | 184 | 8.7 |
| 16:30-16:59 | 0.007 | 0.001 | 0.008 | 0.007 | 0.007 | 163 | 9.3 |
| 17:00-17:29 | 0.007 | 0.002 | 0.008 | 0.006 | 0.006 | 167 | 9.4 |
| 17:30-17:59 | 0.006 | | | 0.005 | | 173 | 9.2 |
| 18:00-18:29 | | | | | | 177 | 10.0 |
| 18:30-18:59 | | | | | | 175 | 10.1 |
| **Daily Average** | **0.015** | **0.005** | **0.009** | **0.008** | **0.009** | **185** | **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

## 8/11/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/12/2023

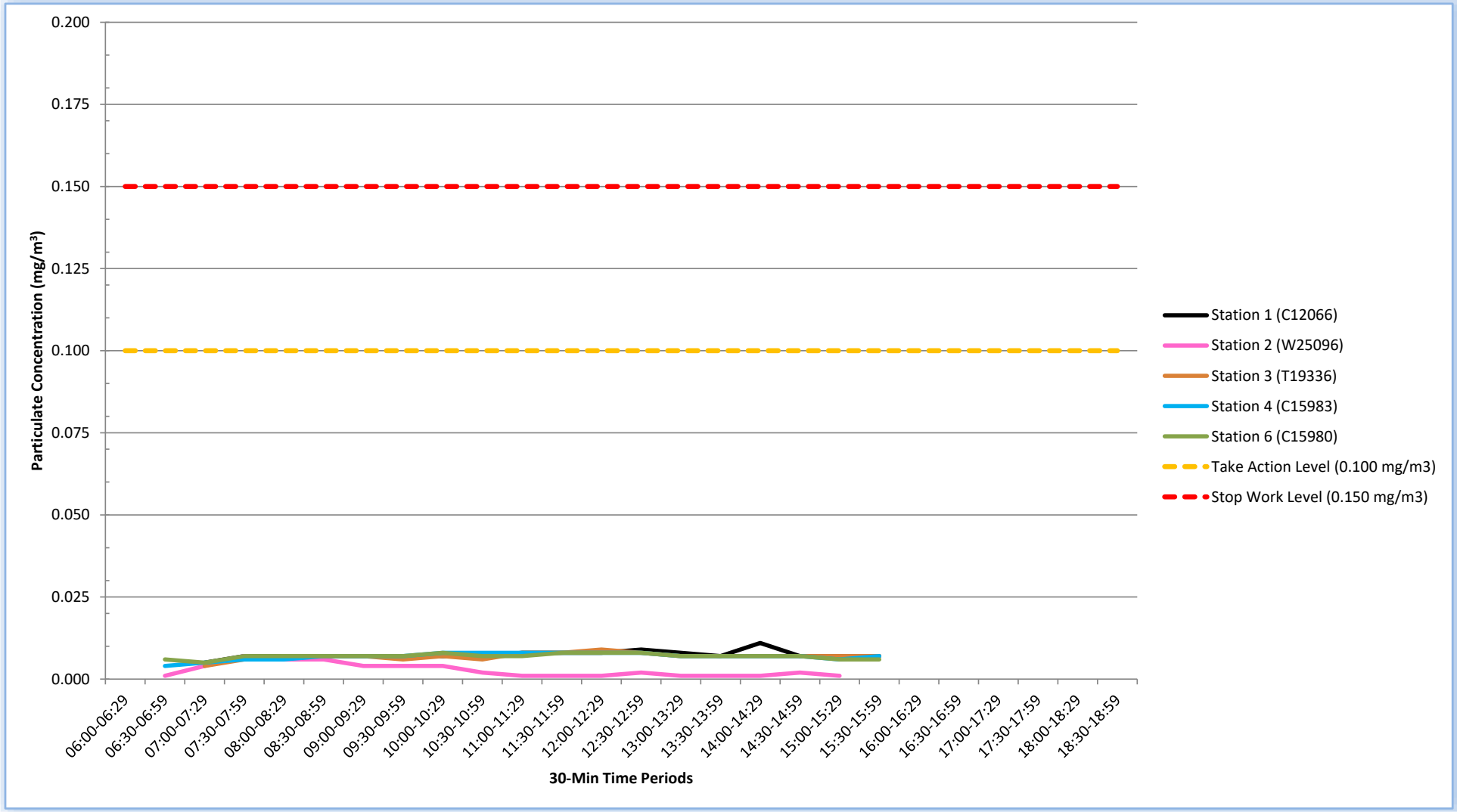
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 195 | 9.8 |
| 06:30-06:59 | | 0.001 | | 0.004 | 0.006 | 194 | 11.1 |
| 07:00-07:29 | 0.005 | 0.004 | 0.004 | 0.005 | 0.005 | 195 | 11.7 |
| 07:30-07:59 | 0.007 | 0.007 | 0.006 | 0.006 | 0.007 | 201 | 10.5 |
| 08:00-08:29 | 0.007 | 0.006 | 0.007 | 0.006 | 0.007 | 195 | 11.7 |
| 08:30-08:59 | 0.007 | 0.006 | 0.007 | 0.007 | 0.007 | 195 | 11.2 |
| 09:00-09:29 | 0.007 | 0.004 | 0.007 | 0.007 | 0.007 | 195 | 11.5 |
| 09:30-09:59 | 0.007 | 0.004 | 0.006 | 0.007 | 0.007 | 202 | 12.4 |
| 10:00-10:29 | 0.007 | 0.004 | 0.007 | 0.008 | 0.008 | 196 | 10.6 |
| 10:30-10:59 | 0.007 | 0.002 | 0.006 | 0.008 | 0.007 | 201 | 11.4 |
| 11:00-11:29 | 0.008 | 0.001 | 0.008 | 0.008 | 0.007 | 190 | 12.6 |
| 11:30-11:59 | 0.008 | 0.001 | 0.008 | 0.008 | 0.008 | 193 | 11.1 |
| 12:00-12:29 | 0.008 | 0.001 | 0.009 | 0.008 | 0.008 | 189 | 12.6 |
| 12:30-12:59 | 0.009 | 0.002 | 0.008 | 0.008 | 0.008 | 187 | 12.5 |
| 13:00-13:29 | 0.008 | 0.001 | 0.007 | 0.007 | 0.007 | 188 | 12.6 |
| 13:30-13:59 | 0.007 | 0.001 | 0.007 | 0.007 | 0.007 | 183 | 12.6 |
| 14:00-14:29 | 0.011 | 0.001 | 0.007 | 0.007 | 0.007 | 199 | 10.2 |
| 14:30-14:59 | 0.007 | 0.002 | 0.007 | 0.007 | 0.007 | 198 | 10.3 |
| 15:00-15:29 | 0.007 | 0.001 | 0.007 | 0.006 | 0.006 | 198 | 8.6 |
| 15:30-15:59 | 0.007 | | 0.007 | 0.007 | 0.006 | 199 | 8.9 |
| 16:00-16:29 | | | | | | 170 | 7.8 |
| 16:30-16:59 | | | | | | 168 | 8.4 |
| 17:00-17:29 | | | | | | 163 | 8.6 |
| 17:30-17:59 | | | | | | 163 | 10.5 |
| 18:00-18:29 | | | | | | 176 | 10.2 |
| 18:30-18:59 | | | | | | 173 | 10.1 |
| **Daily Average** | **0.007** | **0.003** | **0.007** | **0.007** | **0.007** | **184** | **10.8** |

**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

## 8/12/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/14/2023

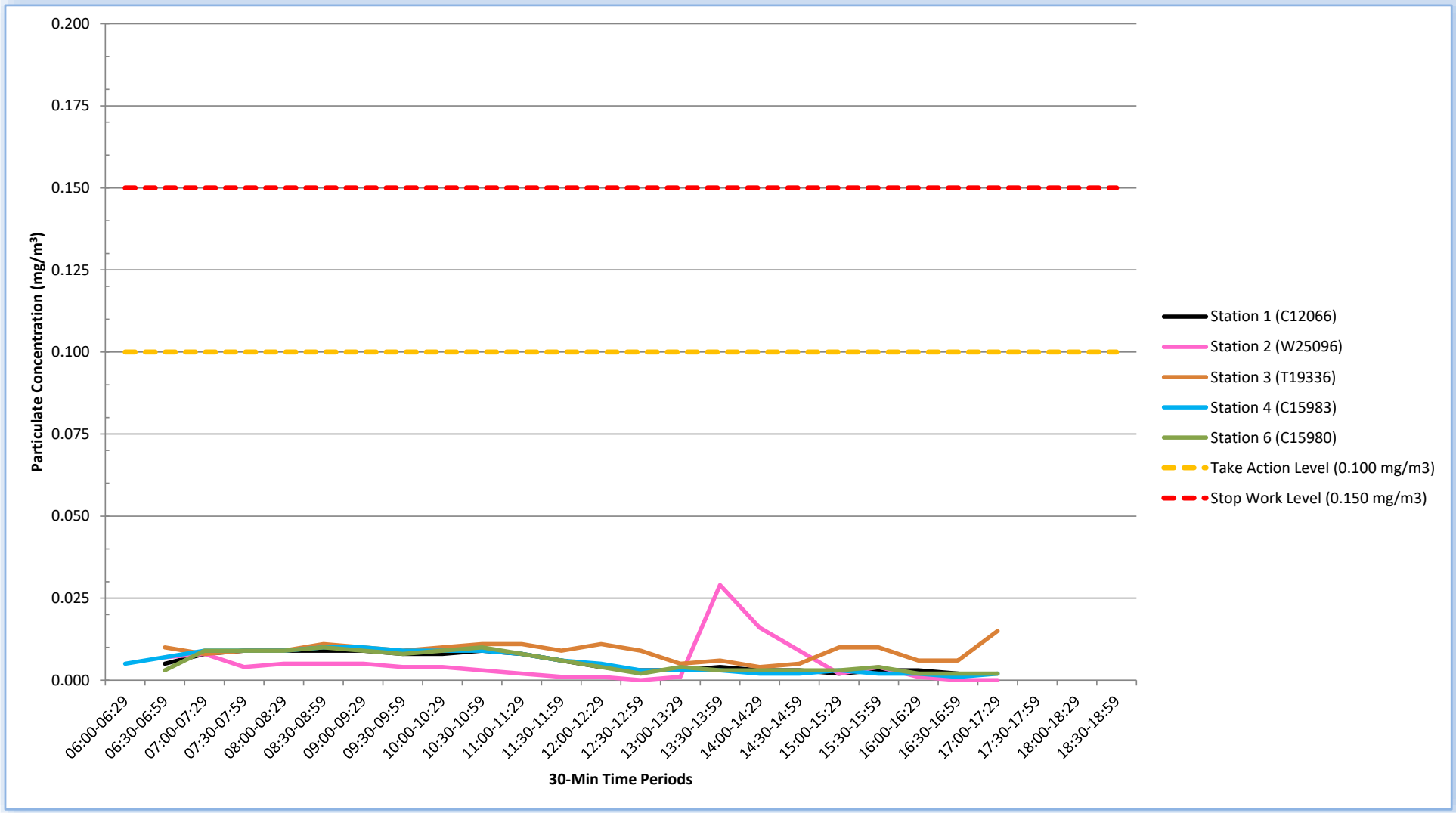
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | 0.005 | | 117 | 1.6 |
| 06:30-06:59 | 0.005 | 0.007 | 0.010 | 0.007 | 0.003 | 166 | 1.4 |
| 07:00-07:29 | 0.008 | 0.008 | 0.008 | 0.009 | 0.009 | 189 | 4.8 |
| 07:30-07:59 | 0.009 | 0.004 | 0.009 | 0.009 | 0.009 | 182 | 5.5 |
| 08:00-08:29 | 0.009 | 0.005 | 0.009 | 0.009 | 0.009 | 198 | 4.1 |
| 08:30-08:59 | 0.009 | 0.005 | 0.011 | 0.010 | 0.010 | 221 | 4.5 |
| 09:00-09:29 | 0.009 | 0.005 | 0.010 | 0.010 | 0.009 | 237 | 5.4 |
| 09:30-09:59 | 0.008 | 0.004 | 0.009 | 0.009 | 0.008 | 261 | 6.6 |
| 10:00-10:29 | 0.008 | 0.004 | 0.010 | 0.009 | 0.009 | 273 | 5.1 |
| 10:30-10:59 | 0.009 | 0.003 | 0.011 | 0.009 | 0.010 | 285 | 6.1 |
| 11:00-11:29 | 0.008 | 0.002 | 0.011 | 0.008 | 0.008 | 299 | 7.2 |
| 11:30-11:59 | 0.006 | 0.001 | 0.009 | 0.006 | 0.006 | 327 | 7.9 |
| 12:00-12:29 | 0.004 | 0.001 | 0.011 | 0.005 | 0.004 | 328 | 9.0 |
| 12:30-12:59 | 0.003 | 0.000 | 0.009 | 0.003 | 0.002 | 333 | 8.7 |
| 13:00-13:29 | 0.003 | 0.001 | 0.005 | 0.003 | 0.004 | 339 | 6.8 |
| 13:30-13:59 | 0.004 | 0.029 | 0.006 | 0.003 | 0.003 | 342 | 7.0 |
| 14:00-14:29 | 0.003 | 0.016 | 0.004 | 0.002 | 0.003 | 342 | 8.2 |
| 14:30-14:59 | 0.003 | 0.009 | 0.005 | 0.002 | 0.003 | 353 | 7.0 |
| 15:00-15:29 | 0.002 | 0.002 | 0.010 | 0.003 | 0.003 | 340 | 7.5 |
| 15:30-15:59 | 0.003 | 0.004 | 0.010 | 0.002 | 0.004 | 343 | 9.8 |
| 16:00-16:29 | 0.003 | 0.001 | 0.006 | 0.002 | 0.002 | 349 | 8.7 |
| 16:30-16:59 | 0.002 | 0.000 | 0.006 | 0.001 | 0.002 | 356 | 7.4 |
| 17:00-17:29 | | 0.000 | 0.015 | 0.002 | 0.002 | 357 | 5.9 |
| 17:30-17:59 | | | | | | 354 | 9.2 |
| 18:00-18:29 | | | | | | 11 | 8.4 |
| 18:30-18:59 | | | | | | 12 | 9.7 |
| **Daily Average** | **0.006** | **0.005** | **0.009** | **0.006** | **0.006** | **320** | **6.7** |

**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

## 8/14/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/15/2023

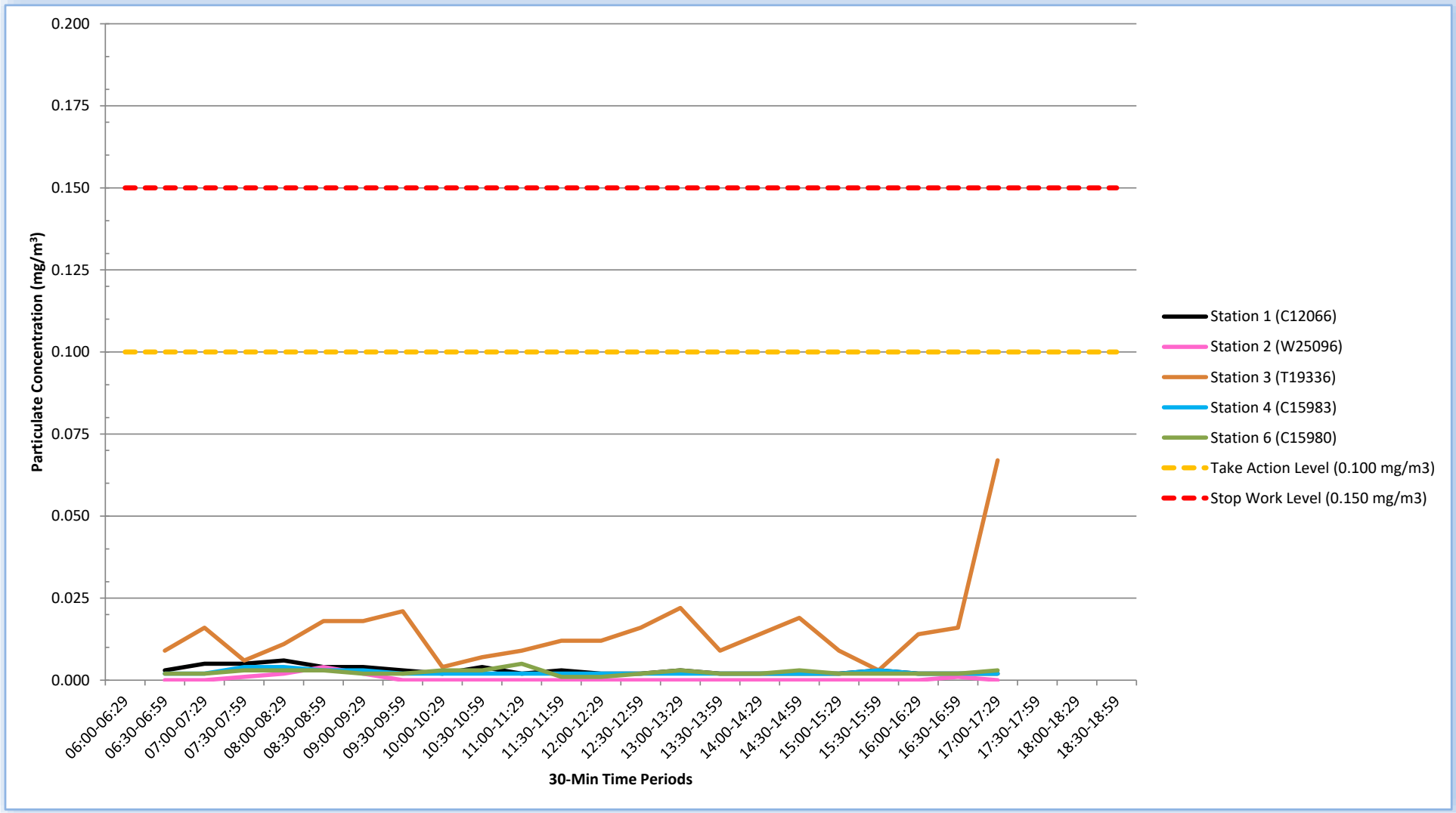
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 8 | 3.9 |
| 06:30-06:59 | 0.003 | 0.000 | 0.009 | 0.002 | 0.002 | 1 | 4.8 |
| 07:00-07:29 | 0.005 | 0.000 | 0.016 | 0.002 | 0.002 | 7 | 4.5 |
| 07:30-07:59 | 0.005 | 0.001 | 0.006 | 0.004 | 0.003 | 4 | 4.2 |
| 08:00-08:29 | 0.006 | 0.002 | 0.011 | 0.004 | 0.003 | 19 | 3.8 |
| 08:30-08:59 | 0.004 | 0.004 | 0.018 | 0.003 | 0.003 | 20 | 4.7 |
| 09:00-09:29 | 0.004 | 0.002 | 0.018 | 0.003 | 0.002 | 14 | 5.0 |
| 09:30-09:59 | 0.003 | 0.000 | 0.021 | 0.002 | 0.002 | 19 | 4.8 |
| 10:00-10:29 | 0.002 | 0.000 | 0.004 | 0.002 | 0.003 | 27 | 4.8 |
| 10:30-10:59 | 0.004 | 0.000 | 0.007 | 0.002 | 0.003 | 32 | 4.7 |
| 11:00-11:29 | 0.002 | 0.000 | 0.009 | 0.002 | 0.005 | 19 | 5.9 |
| 11:30-11:59 | 0.003 | 0.000 | 0.012 | 0.002 | 0.001 | 31 | 5.4 |
| 12:00-12:29 | 0.002 | 0.000 | 0.012 | 0.002 | 0.001 | 344 | 6.3 |
| 12:30-12:59 | 0.002 | 0.000 | 0.016 | 0.002 | 0.002 | 4 | 5.0 |
| 13:00-13:29 | 0.003 | 0.000 | 0.022 | 0.002 | 0.003 | 3 | 5.5 |
| 13:30-13:59 | 0.002 | 0.000 | 0.009 | 0.002 | 0.002 | 340 | 6.4 |
| 14:00-14:29 | 0.002 | 0.000 | 0.014 | 0.002 | 0.002 | 4 | 6.3 |
| 14:30-14:59 | 0.002 | 0.000 | 0.019 | 0.002 | 0.003 | 352 | 5.4 |
| 15:00-15:29 | 0.002 | 0.000 | 0.009 | 0.002 | 0.002 | 331 | 6.0 |
| 15:30-15:59 | 0.003 | 0.000 | 0.003 | 0.003 | 0.002 | 347 | 4.6 |
| 16:00-16:29 | 0.002 | 0.000 | 0.014 | 0.002 | 0.002 | 337 | 5.7 |
| 16:30-16:59 | 0.002 | 0.001 | 0.016 | 0.002 | 0.002 | 323 | 6.1 |
| 17:00-17:29 | 0.002 | 0.000 | 0.067 | 0.002 | 0.003 | 330 | 5.0 |
| 17:30-17:59 | | | | | | 341 | 5.9 |
| 18:00-18:29 | | | | | | 342 | 7.2 |
| 18:30-18:59 | | | | | | 348 | 7.1 |
| **Daily Average** | **0.003** | **0.000** | **0.015** | **0.002** | **0.002** | **7** | **5.3** |

**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

## 8/15/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/16/2023

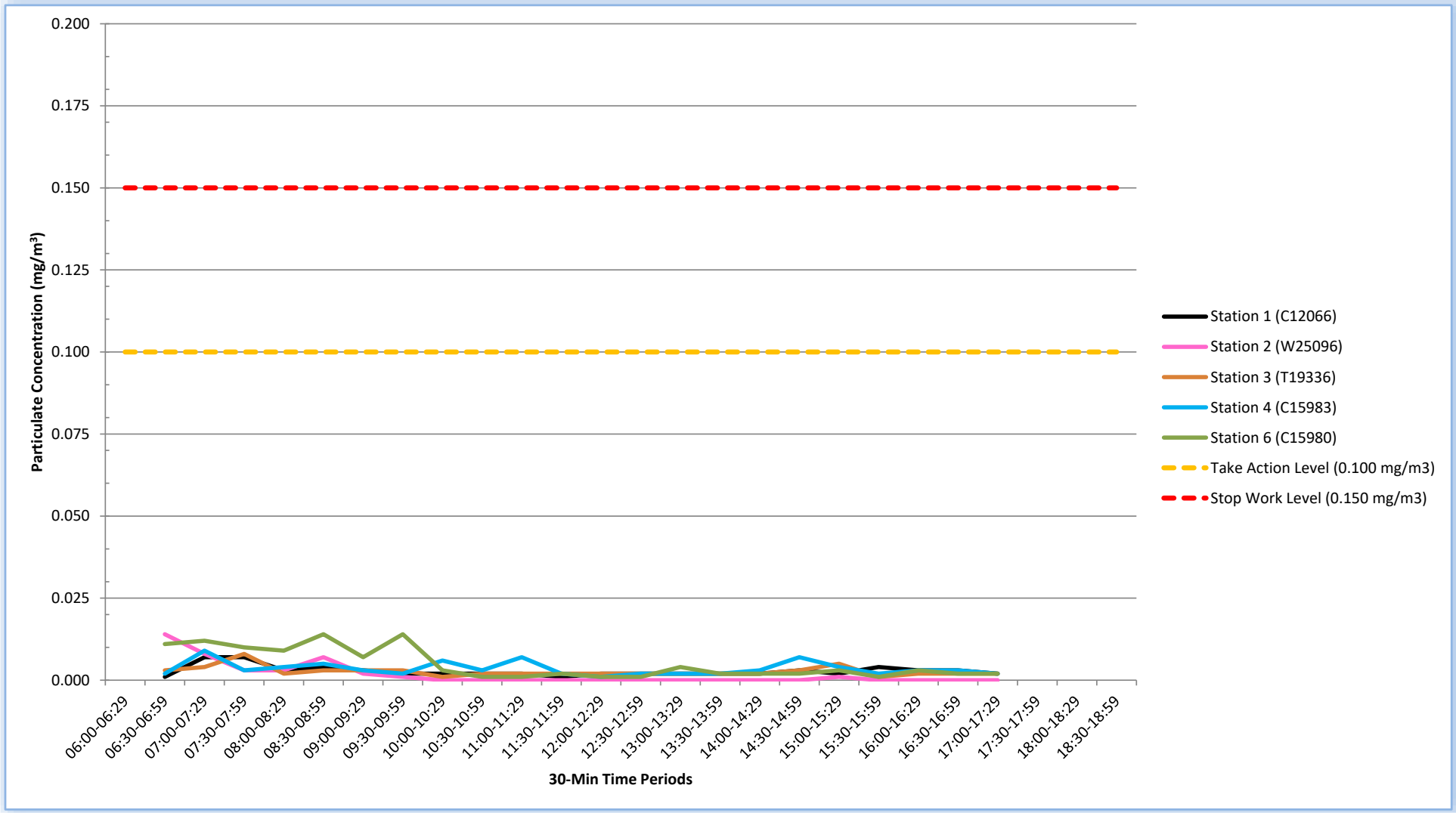
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 49 | 1.7 |
| 06:30-06:59 | 0.001 | 0.014 | 0.003 | 0.002 | 0.011 | 65 | 2.4 |
| 07:00-07:29 | 0.007 | 0.008 | 0.004 | 0.009 | 0.012 | 82 | 2.6 |
| 07:30-07:59 | 0.007 | 0.003 | 0.008 | 0.003 | 0.010 | 83 | 4.0 |
| 08:00-08:29 | 0.003 | 0.003 | 0.002 | 0.004 | 0.009 | 88 | 5.8 |
| 08:30-08:59 | 0.004 | 0.007 | 0.003 | 0.005 | 0.014 | 85 | 5.5 |
| 09:00-09:29 | 0.003 | 0.002 | 0.003 | 0.003 | 0.007 | 106 | 6.5 |
| 09:30-09:59 | 0.002 | 0.001 | 0.003 | 0.002 | 0.014 | 109 | 5.0 |
| 10:00-10:29 | 0.002 | 0.000 | 0.001 | 0.006 | 0.003 | 71 | 3.0 |
| 10:30-10:59 | 0.002 | 0.000 | 0.002 | 0.003 | 0.001 | 58 | 1.4 |
| 11:00-11:29 | 0.002 | 0.000 | 0.002 | 0.007 | 0.001 | 83 | 1.9 |
| 11:30-11:59 | 0.001 | 0.000 | 0.002 | 0.002 | 0.002 | 54 | 1.9 |
| 12:00-12:29 | 0.002 | 0.000 | 0.002 | 0.001 | 0.001 | 37 | 2.1 |
| 12:30-12:59 | 0.002 | 0.000 | 0.002 | 0.002 | 0.001 | 322 | 3.8 |
| 13:00-13:29 | 0.002 | 0.000 | 0.002 | 0.002 | 0.004 | 259 | 3.1 |
| 13:30-13:59 | 0.002 | 0.000 | 0.002 | 0.002 | 0.002 | 285 | 4.1 |
| 14:00-14:29 | 0.002 | 0.000 | 0.002 | 0.003 | 0.002 | 308 | 3.7 |
| 14:30-14:59 | 0.003 | 0.000 | 0.003 | 0.007 | 0.002 | 251 | 3.3 |
| 15:00-15:29 | 0.002 | 0.001 | 0.005 | 0.004 | 0.003 | 163 | 4.3 |
| 15:30-15:59 | 0.004 | 0.000 | 0.001 | 0.002 | 0.001 | 222 | 1.5 |
| 16:00-16:29 | 0.003 | 0.000 | 0.002 | 0.003 | 0.003 | 87 | 0.3 |
| 16:30-16:59 | 0.003 | 0.000 | 0.002 | 0.003 | 0.002 | 197 | 2.0 |
| 17:00-17:29 | 0.002 | 0.000 | 0.002 | 0.002 | 0.002 | 154 | 1.9 |
| 17:30-17:59 | | | | | | 156 | 4.8 |
| 18:00-18:29 | | | | | | 153 | 2.3 |
| 18:30-18:59 | | | | | | 119 | 3.4 |
| **Daily Average** | **0.003** | **0.002** | **0.003** | **0.004** | **0.005** | **101** | **3.2** |

**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

## 8/16/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/17/2023

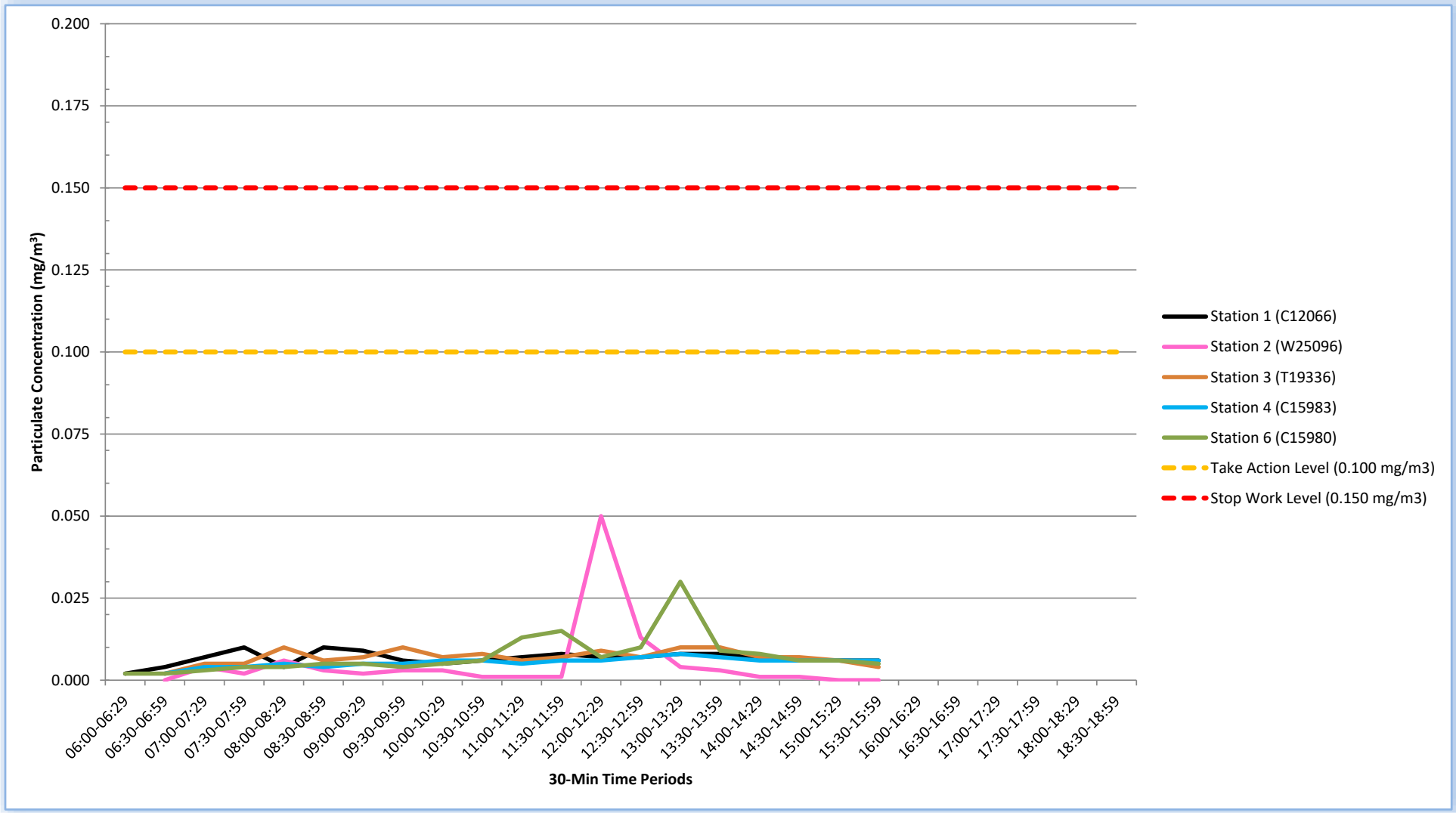
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | 0.002 | | | | 0.002 | 151 | 6.7 |
| 06:30-06:59 | 0.004 | 0.000 | 0.002 | 0.002 | 0.002 | 144 | 8.6 |
| 07:00-07:29 | 0.007 | 0.004 | 0.005 | 0.004 | 0.003 | 137 | 6.9 |
| 07:30-07:59 | 0.010 | 0.002 | 0.005 | 0.004 | 0.004 | 134 | 5.4 |
| 08:00-08:29 | 0.004 | 0.006 | 0.010 | 0.005 | 0.004 | 133 | 7.5 |
| 08:30-08:59 | 0.010 | 0.003 | 0.006 | 0.004 | 0.005 | 137 | 7.2 |
| 09:00-09:29 | 0.009 | 0.002 | 0.007 | 0.005 | 0.005 | 129 | 8.3 |
| 09:30-09:59 | 0.006 | 0.003 | 0.010 | 0.005 | 0.004 | 136 | 6.6 |
| 10:00-10:29 | 0.005 | 0.003 | 0.007 | 0.006 | 0.005 | 149 | 5.9 |
| 10:30-10:59 | 0.006 | 0.001 | 0.008 | 0.006 | 0.006 | 166 | 6.3 |
| 11:00-11:29 | 0.007 | 0.001 | 0.006 | 0.005 | 0.013 | 185 | 8.9 |
| 11:30-11:59 | 0.008 | 0.001 | 0.007 | 0.006 | 0.015 | 197 | 10.6 |
| 12:00-12:29 | 0.007 | 0.050 | 0.009 | 0.006 | 0.007 | 199 | 10.4 |
| 12:30-12:59 | 0.007 | 0.013 | 0.007 | 0.007 | 0.010 | 204 | 9.3 |
| 13:00-13:29 | 0.008 | 0.004 | 0.010 | 0.008 | 0.030 | 195 | 10.3 |
| 13:30-13:59 | 0.008 | 0.003 | 0.010 | 0.007 | 0.009 | 190 | 7.7 |
| 14:00-14:29 | 0.007 | 0.001 | 0.007 | 0.006 | 0.008 | 222 | 7.5 |
| 14:30-14:59 | 0.006 | 0.001 | 0.007 | 0.006 | 0.006 | 202 | 5.5 |
| 15:00-15:29 | 0.006 | 0.000 | 0.006 | 0.006 | 0.006 | 204 | 6.5 |
| 15:30-15:59 | 0.006 | 0.000 | 0.004 | 0.006 | 0.005 | 212 | 5.3 |
| 16:00-16:29 | | | | | | 183 | 7.1 |
| 16:30-16:59 | | | | | | 187 | 7.0 |
| 17:00-17:29 | | | | | | 176 | 4.7 |
| 17:30-17:59 | | | | | | 165 | 7.2 |
| 18:00-18:29 | | | | | | 179 | 7.9 |
| 18:30-18:59 | | | | | | 199 | 7.3 |
| **Daily Average** | **0.007** | **0.005** | **0.007** | **0.005** | **0.007** | **160** | **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

## 8/17/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/22/2023

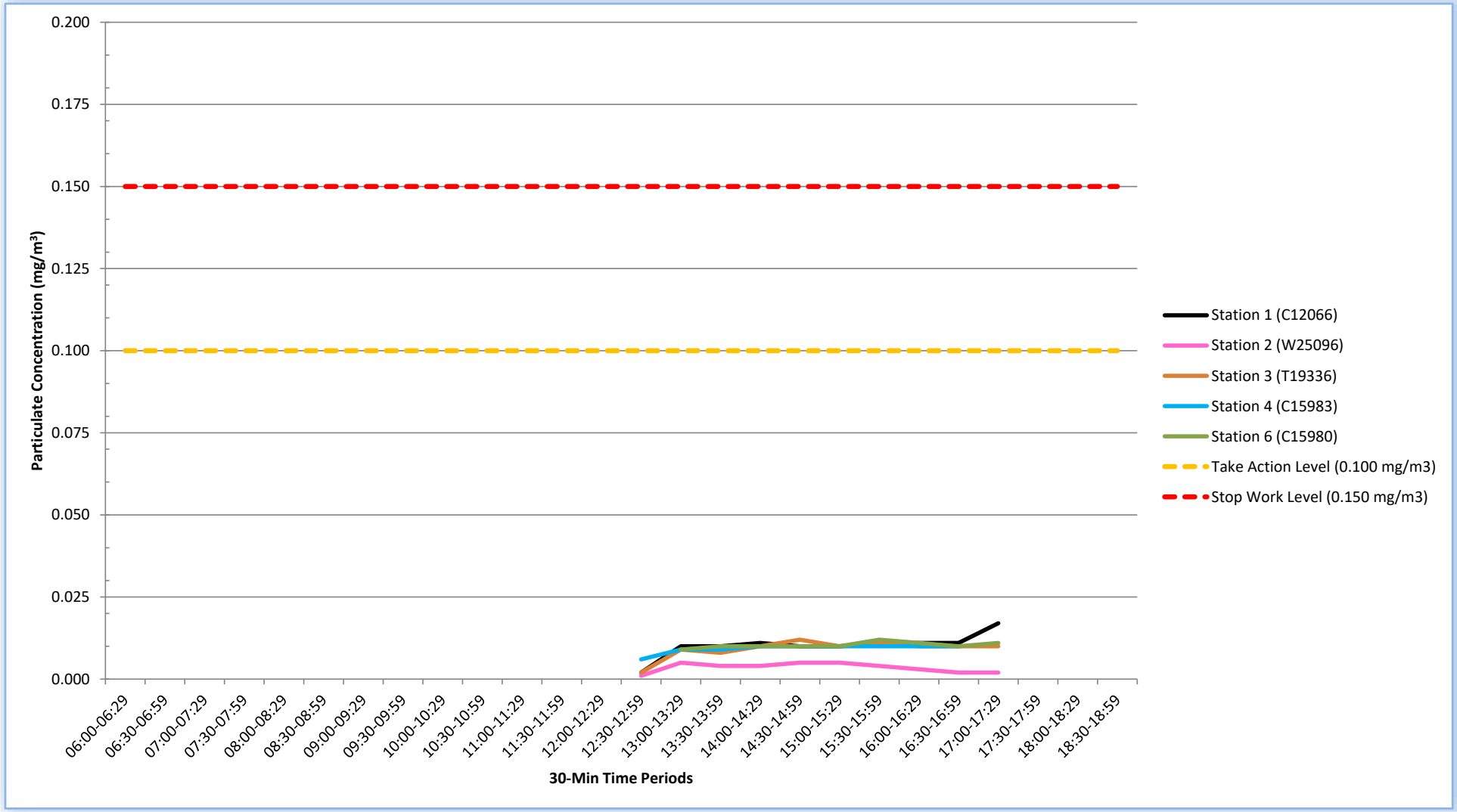
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 115 | 3.6 |
| 06:30-06:59 | | | | | | 112 | 4.0 |
| 07:00-07:29 | | | | | | 121 | 3.5 |
| 07:30-07:59 | | | | | | 118 | 3.4 |
| 08:00-08:29 | | | | | | 140 | 3.0 |
| 08:30-08:59 | | | | | | 181 | 5.0 |
| 09:00-09:29 | | | | | | 204 | 6.2 |
| 09:30-09:59 | | | | | | 191 | 8.1 |
| 10:00-10:29 | | | | | | 190 | 8.2 |
| 10:30-10:59 | | | | | | 183 | 7.4 |
| 11:00-11:29 | | | | | | 192 | 7.0 |
| 11:30-11:59 | | | | | | 190 | 7.4 |
| 12:00-12:29 | | | | | | 175 | 6.5 |
| 12:30-12:59 | 0.002 | 0.001 | 0.002 | 0.006 | | 167 | 4.8 |
| 13:00-13:29 | 0.010 | 0.005 | 0.009 | 0.009 | 0.009 | 159 | 4.8 |
| 13:30-13:59 | 0.010 | 0.004 | 0.008 | 0.009 | 0.010 | 146 | 6.2 |
| 14:00-14:29 | 0.011 | 0.004 | 0.010 | 0.010 | 0.010 | 149 | 7.4 |
| 14:30-14:59 | 0.010 | 0.005 | 0.012 | 0.010 | 0.010 | 130 | 6.1 |
| 15:00-15:29 | 0.010 | 0.005 | 0.010 | 0.010 | 0.010 | 132 | 5.7 |
| 15:30-15:59 | 0.011 | 0.004 | 0.011 | 0.010 | 0.012 | 112 | 6.4 |
| 16:00-16:29 | 0.011 | 0.003 | 0.010 | 0.010 | 0.011 | 128 | 8.8 |
| 16:30-16:59 | 0.011 | 0.002 | 0.010 | 0.010 | 0.010 | 115 | 6.1 |
| 17:00-17:29 | 0.017 | 0.002 | 0.010 | | 0.011 | 130 | 9.1 |
| 17:30-17:59 | | | | | | 122 | 8.3 |
| 18:00-18:29 | | | | | | 140 | 8.0 |
| 18:30-18:59 | | | | | | 121 | 7.8 |
| **Daily Average** | **0.010** | **0.004** | **0.009** | **0.009** | **0.010** | **131** | **6.3** |

**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

## 8/22/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/23/2023

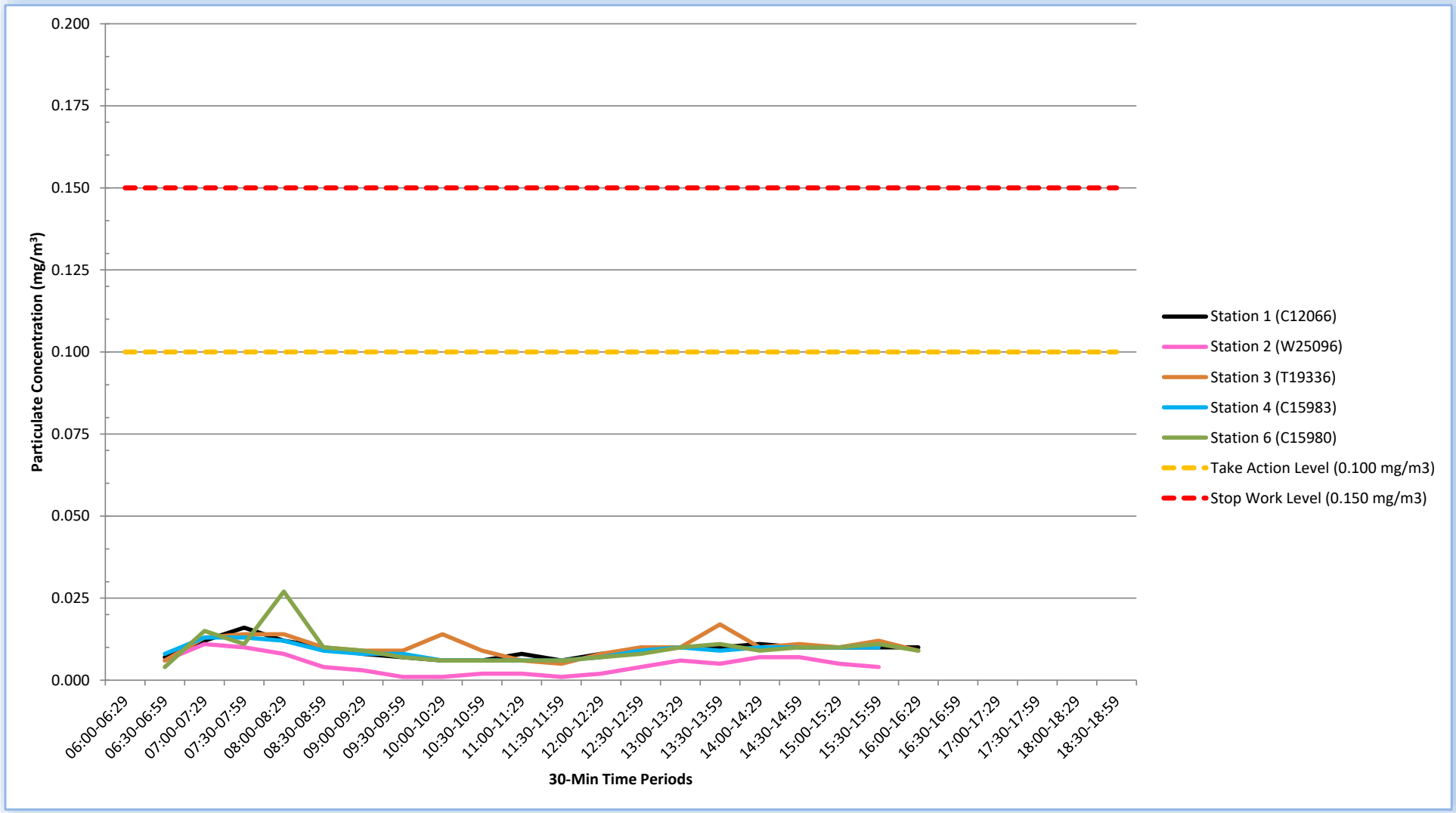
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 208 | 2.0 |
| 06:30-06:59 | 0.007 | 0.006 | 0.006 | 0.008 | 0.004 | 208 | 1.6 |
| 07:00-07:29 | 0.012 | 0.011 | 0.013 | 0.013 | 0.015 | 211 | 1.8 |
| 07:30-07:59 | 0.016 | 0.010 | 0.014 | 0.013 | 0.011 | 224 | 2.5 |
| 08:00-08:29 | 0.012 | 0.008 | 0.014 | 0.012 | 0.027 | 230 | 3.3 |
| 08:30-08:59 | 0.010 | 0.004 | 0.010 | 0.009 | 0.010 | 222 | 4.5 |
| 09:00-09:29 | 0.008 | 0.003 | 0.009 | 0.008 | 0.009 | 247 | 4.9 |
| 09:30-09:59 | 0.007 | 0.001 | 0.009 | 0.008 | 0.007 | 257 | 5.8 |
| 10:00-10:29 | 0.006 | 0.001 | 0.014 | 0.006 | 0.006 | 253 | 6.0 |
| 10:30-10:59 | 0.006 | 0.002 | 0.009 | 0.006 | 0.006 | 237 | 7.1 |
| 11:00-11:29 | 0.008 | 0.002 | 0.006 | 0.006 | 0.006 | 206 | 7.6 |
| 11:30-11:59 | 0.006 | 0.001 | 0.005 | 0.006 | 0.006 | 206 | 6.0 |
| 12:00-12:29 | 0.008 | 0.002 | 0.008 | 0.007 | 0.007 | 214 | 6.1 |
| 12:30-12:59 | 0.009 | 0.004 | 0.010 | 0.009 | 0.008 | 206 | 7.7 |
| 13:00-13:29 | 0.010 | 0.006 | 0.010 | 0.010 | 0.010 | 216 | 8.0 |
| 13:30-13:59 | 0.010 | 0.005 | 0.017 | 0.009 | 0.011 | 250 | 2.0 |
| 14:00-14:29 | 0.011 | 0.007 | 0.010 | 0.010 | 0.009 | 159 | 4.0 |
| 14:30-14:59 | 0.010 | 0.007 | 0.011 | 0.010 | 0.010 | 153 | 4.9 |
| 15:00-15:29 | 0.010 | 0.005 | 0.010 | 0.010 | 0.010 | 170 | 3.7 |
| 15:30-15:59 | 0.010 | 0.004 | 0.012 | 0.010 | 0.011 | 145 | 5.4 |
| 16:00-16:29 | 0.010 | | 0.009 | | 0.009 | 128 | 6.7 |
| 16:30-16:59 | | | | | | 154 | 5.3 |
| 17:00-17:29 | | | | | | 183 | 6.6 |
| 17:30-17:59 | | | | | | 162 | 6.4 |
| 18:00-18:29 | | | | | | 188 | 7.0 |
| 18:30-18:59 | | | | | | 140 | 5.8 |
| **Daily Average** | **0.009** | **0.005** | **0.010** | **0.009** | **0.010** | **169** | **5.1** |

**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

## 8/23/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/29/2023

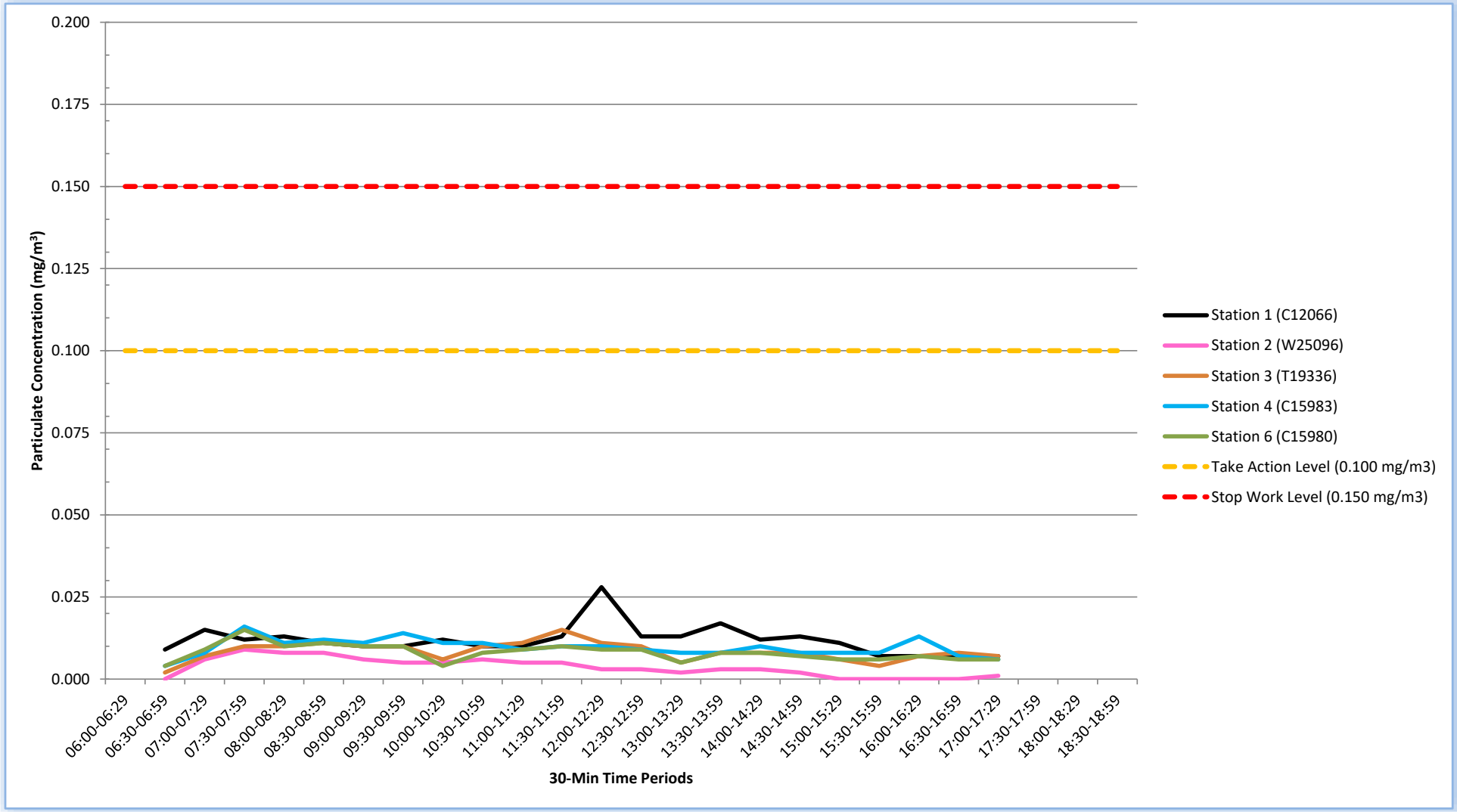
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 15 | 2.5 |
| 06:30-06:59 | 0.009 | 0.000 | 0.002 | 0.004 | 0.004 | 9 | 2.8 |
| 07:00-07:29 | 0.015 | 0.006 | 0.007 | 0.008 | 0.009 | 16 | 2.9 |
| 07:30-07:59 | 0.012 | 0.009 | 0.010 | 0.016 | 0.015 | 14 | 3.6 |
| 08:00-08:29 | 0.013 | 0.008 | 0.010 | 0.011 | 0.010 | 34 | 3.7 |
| 08:30-08:59 | 0.011 | 0.008 | 0.011 | 0.012 | 0.011 | 65 | 3.5 |
| 09:00-09:29 | 0.010 | 0.006 | 0.010 | 0.011 | 0.010 | 87 | 4.4 |
| 09:30-09:59 | 0.010 | 0.005 | 0.010 | 0.014 | 0.010 | 108 | 4.3 |
| 10:00-10:29 | 0.012 | 0.005 | 0.006 | 0.011 | 0.004 | 67 | 1.4 |
| 10:30-10:59 | 0.010 | 0.006 | 0.010 | 0.011 | 0.008 | 312 | 2.5 |
| 11:00-11:29 | 0.010 | 0.005 | 0.011 | 0.009 | 0.009 | 306 | 1.7 |
| 11:30-11:59 | 0.013 | 0.005 | 0.015 | 0.010 | 0.010 | 274 | 3.0 |
| 12:00-12:29 | 0.028 | 0.003 | 0.011 | 0.010 | 0.009 | 298 | 4.6 |
| 12:30-12:59 | 0.013 | 0.003 | 0.010 | 0.009 | 0.009 | 303 | 6.3 |
| 13:00-13:29 | 0.013 | 0.002 | 0.005 | 0.008 | 0.005 | 339 | 4.3 |
| 13:30-13:59 | 0.017 | 0.003 | 0.008 | 0.008 | 0.008 | 334 | 4.5 |
| 14:00-14:29 | 0.012 | 0.003 | 0.008 | 0.010 | 0.008 | 359 | 2.6 |
| 14:30-14:59 | 0.013 | 0.002 | 0.008 | 0.008 | 0.007 | 342 | 5.6 |
| 15:00-15:29 | 0.011 | 0.000 | 0.006 | 0.008 | 0.006 | 1 | 5.1 |
| 15:30-15:59 | 0.007 | 0.000 | 0.004 | 0.008 | 0.006 | 26 | 3.4 |
| 16:00-16:29 | 0.007 | 0.000 | 0.007 | 0.013 | 0.007 | 23 | 3.9 |
| 16:30-16:59 | 0.007 | 0.000 | 0.008 | 0.007 | 0.006 | 19 | 4.5 |
| 17:00-17:29 | 0.007 | 0.001 | 0.007 | 0.006 | 0.006 | 55 | 3.2 |
| 17:30-17:59 | | | | | | 52 | 2.8 |
| 18:00-18:29 | | | | | | 24 | 2.8 |
| 18:30-18:59 | | | | | | 45 | 2.6 |
| **Daily Average** | **0.012** | **0.004** | **0.008** | **0.010** | **0.008** | **23** | **3.6** |

**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

## 8/29/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/30/2023

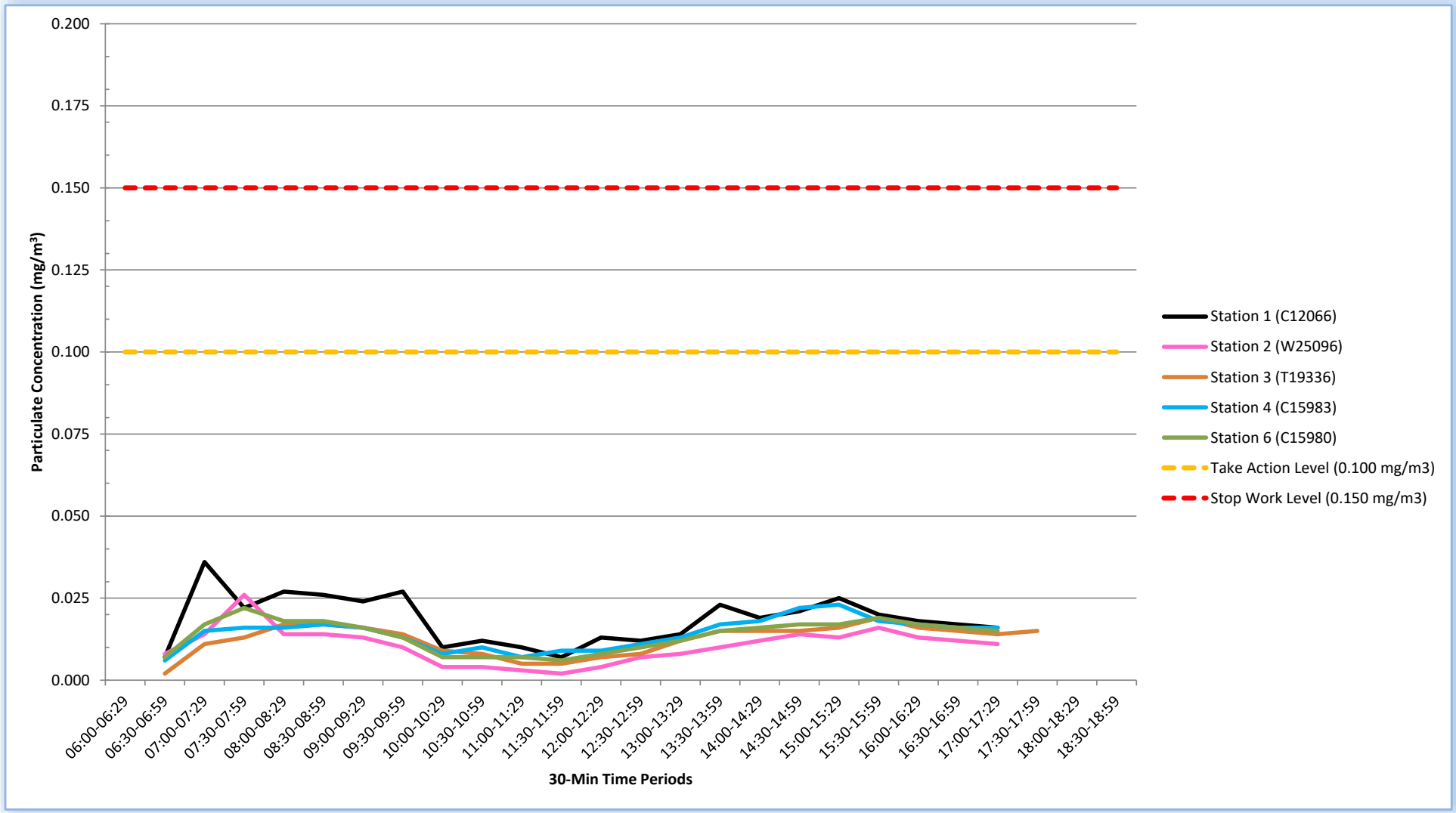
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 3 | 3.5 |
| 06:30-06:59 | 0.007 | 0.008 | 0.002 | 0.006 | 0.007 | 356 | 3.6 |
| 07:00-07:29 | 0.036 | 0.014 | 0.011 | 0.015 | 0.017 | 351 | 4.5 |
| 07:30-07:59 | 0.022 | 0.026 | 0.013 | 0.016 | 0.022 | 358 | 3.9 |
| 08:00-08:29 | 0.027 | 0.014 | 0.017 | 0.016 | 0.018 | 344 | 3.9 |
| 08:30-08:59 | 0.026 | 0.014 | 0.017 | 0.017 | 0.018 | 341 | 4.4 |
| 09:00-09:29 | 0.024 | 0.013 | 0.016 | 0.016 | 0.016 | 349 | 4.8 |
| 09:30-09:59 | 0.027 | 0.010 | 0.014 | 0.013 | 0.013 | 359 | 5.0 |
| 10:00-10:29 | 0.010 | 0.004 | 0.009 | 0.008 | 0.007 | 21 | 5.1 |
| 10:30-10:59 | 0.012 | 0.004 | 0.008 | 0.010 | 0.007 | 3 | 6.3 |
| 11:00-11:29 | 0.010 | 0.003 | 0.005 | 0.007 | 0.007 | 44 | 6.0 |
| 11:30-11:59 | 0.007 | 0.002 | 0.005 | 0.009 | 0.006 | 51 | 4.7 |
| 12:00-12:29 | 0.013 | 0.004 | 0.007 | 0.009 | 0.008 | 357 | 3.5 |
| 12:30-12:59 | 0.012 | 0.007 | 0.008 | 0.011 | 0.010 | 15 | 3.5 |
| 13:00-13:29 | 0.014 | 0.008 | 0.012 | 0.013 | 0.012 | 32 | 4.0 |
| 13:30-13:59 | 0.023 | 0.010 | 0.015 | 0.017 | 0.015 | 349 | 4.5 |
| 14:00-14:29 | 0.019 | 0.012 | 0.015 | 0.018 | 0.016 | 32 | 4.9 |
| 14:30-14:59 | 0.021 | 0.014 | 0.015 | 0.022 | 0.017 | 2 | 2.6 |
| 15:00-15:29 | 0.025 | 0.013 | 0.016 | 0.023 | 0.017 | 337 | 4.6 |
| 15:30-15:59 | 0.020 | 0.016 | 0.019 | 0.018 | 0.019 | 1 | 2.9 |
| 16:00-16:29 | 0.018 | 0.013 | 0.016 | 0.017 | 0.017 | 4 | 2.0 |
| 16:30-16:59 | 0.017 | 0.012 | 0.015 | 0.016 | 0.016 | 358 | 3.4 |
| 17:00-17:29 | 0.016 | 0.011 | 0.014 | 0.016 | 0.015 | 26 | 3.9 |
| 17:30-17:59 | | | 0.015 | | | 326 | 4.4 |
| 18:00-18:29 | | | | | | 326 | 5.1 |
| 18:30-18:59 | | | | | | 43 | 3.1 |
| **Daily Average** | **0.018** | **0.011** | **0.012** | **0.014** | **0.014** | **13** | **4.2** |

**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

## 8/30/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 8/31/2023

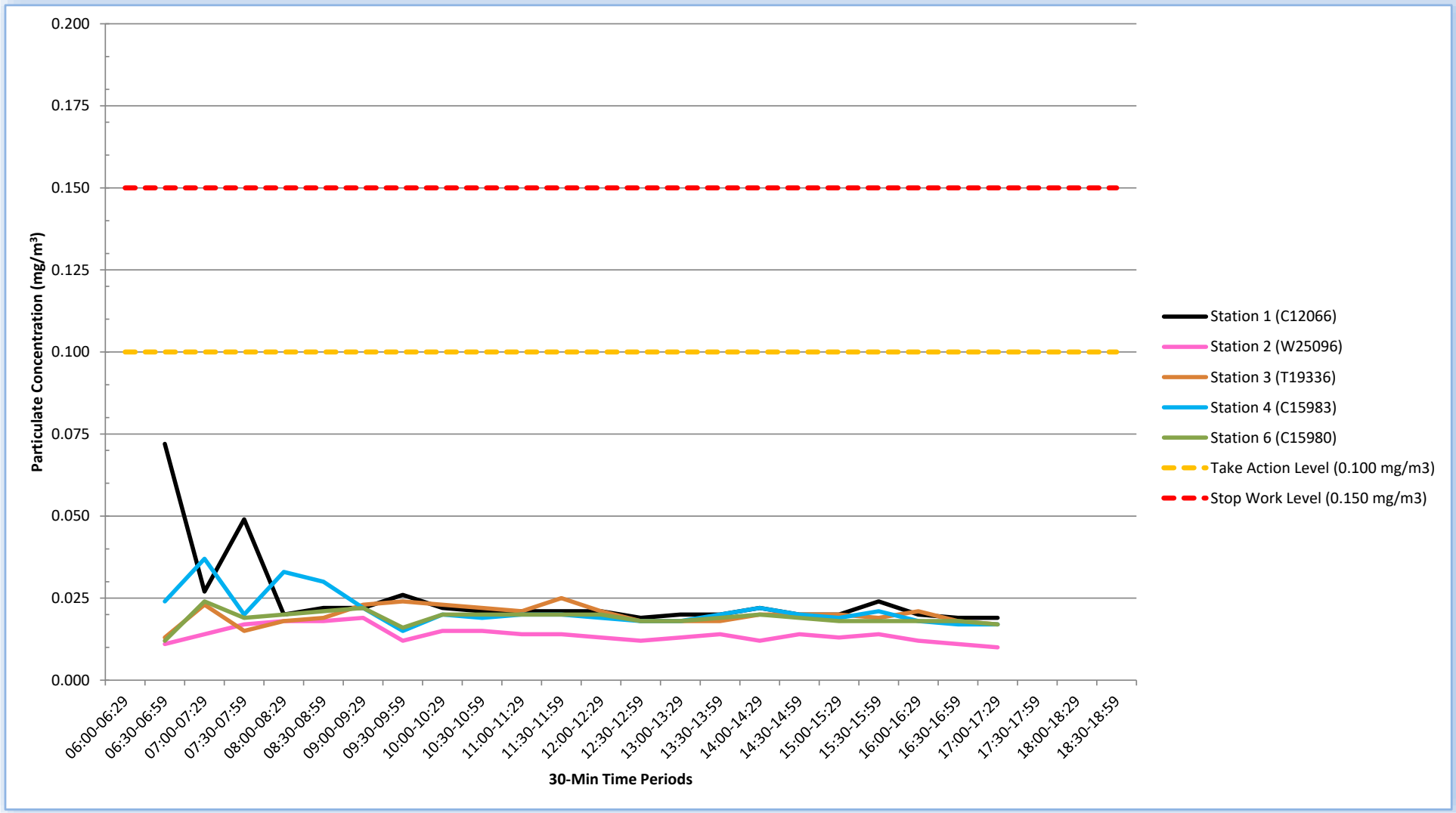
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 25 | 1.9 |
| 06:30-06:59 | 0.072 | 0.011 | 0.013 | 0.024 | 0.012 | 29 | 2.2 |
| 07:00-07:29 | 0.027 | 0.014 | 0.023 | 0.037 | 0.024 | 36 | 2.0 |
| 07:30-07:59 | 0.049 | 0.017 | 0.015 | 0.020 | 0.019 | 47 | 2.1 |
| 08:00-08:29 | 0.020 | 0.018 | 0.018 | 0.033 | 0.020 | 126 | 2.4 |
| 08:30-08:59 | 0.022 | 0.018 | 0.019 | 0.030 | 0.021 | 138 | 6.5 |
| 09:00-09:29 | 0.022 | 0.019 | 0.023 | 0.022 | 0.022 | 141 | 8.7 |
| 09:30-09:59 | 0.026 | 0.012 | 0.024 | 0.015 | 0.016 | 150 | 9.7 |
| 10:00-10:29 | 0.022 | 0.015 | 0.023 | 0.020 | 0.020 | 158 | 9.0 |
| 10:30-10:59 | 0.021 | 0.015 | 0.022 | 0.019 | 0.020 | 151 | 8.9 |
| 11:00-11:29 | 0.021 | 0.014 | 0.021 | 0.020 | 0.020 | 158 | 7.7 |
| 11:30-11:59 | 0.021 | 0.014 | 0.025 | 0.020 | 0.020 | 166 | 7.0 |
| 12:00-12:29 | 0.021 | 0.013 | 0.021 | 0.019 | 0.020 | 176 | 7.1 |
| 12:30-12:59 | 0.019 | 0.012 | 0.018 | 0.018 | 0.018 | 194 | 6.7 |
| 13:00-13:29 | 0.020 | 0.013 | 0.018 | 0.018 | 0.018 | 213 | 8.6 |
| 13:30-13:59 | 0.020 | 0.014 | 0.018 | 0.020 | 0.019 | 177 | 6.9 |
| 14:00-14:29 | 0.022 | 0.012 | 0.020 | 0.022 | 0.020 | 228 | 5.3 |
| 14:30-14:59 | 0.020 | 0.014 | 0.020 | 0.020 | 0.019 | 246 | 7.3 |
| 15:00-15:29 | 0.020 | 0.013 | 0.020 | 0.019 | 0.018 | 227 | 6.3 |
| 15:30-15:59 | 0.024 | 0.014 | 0.019 | 0.021 | 0.018 | 216 | 5.9 |
| 16:00-16:29 | 0.020 | 0.012 | 0.021 | 0.018 | 0.018 | 200 | 7.2 |
| 16:30-16:59 | 0.019 | 0.011 | 0.018 | 0.017 | 0.018 | 177 | 4.4 |
| 17:00-17:29 | 0.019 | 0.010 | 0.017 | 0.017 | 0.017 | 205 | 3.5 |
| 17:30-17:59 | | | | | | 151 | 2.8 |
| 18:00-18:29 | | | | | | 135 | 5.9 |
| 18:30-18:59 | | | | | | 145 | 5.9 |
| **Daily Average** | **0.025** | **0.014** | **0.020** | **0.021** | **0.019** | **140** | **5.8** |

**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

## 8/31/2023



# Daily Summary Report Table
# (30-Min Average Values)
## Real-Time Perimeter Particulate (PM-10) Monitoring Data
## Exide Technologies - Frisco, TX
## 9/1/2023

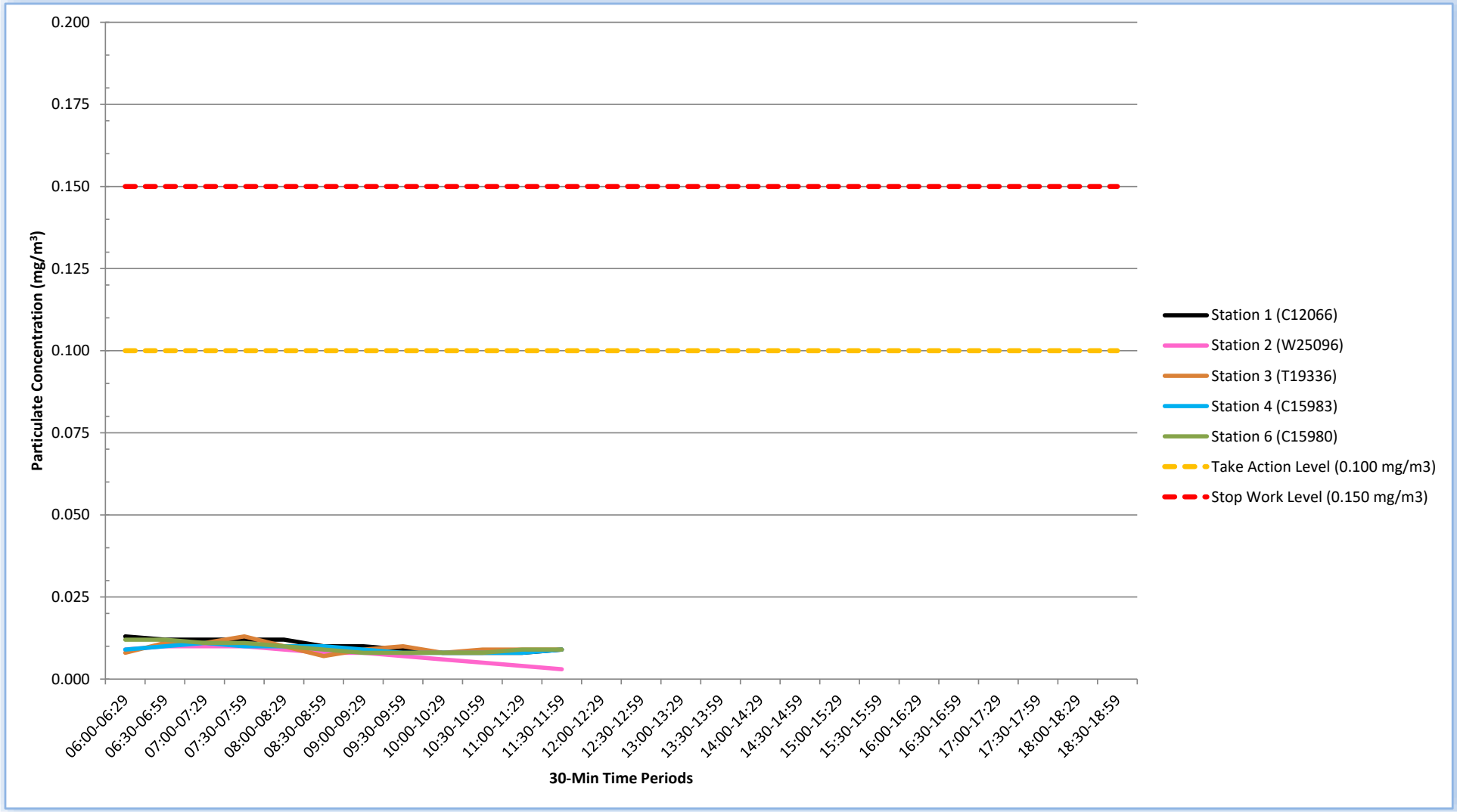
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | 0.013 | 0.009 | 0.008 | 0.009 | 0.012 | 114 | 8.1 |
| 06:30-06:59 | 0.012 | 0.010 | 0.011 | 0.010 | 0.012 | 121 | 7.4 |
| 07:00-07:29 | 0.012 | 0.010 | 0.011 | 0.011 | 0.011 | 117 | 8.1 |
| 07:30-07:59 | 0.012 | 0.010 | 0.013 | 0.010 | 0.011 | 116 | 9.5 |
| 08:00-08:29 | 0.012 | 0.009 | 0.010 | 0.010 | 0.010 | 114 | 11.4 |
| 08:30-08:59 | 0.010 | 0.008 | 0.007 | 0.010 | 0.009 | 118 | 12.0 |
| 09:00-09:29 | 0.010 | 0.008 | 0.009 | 0.009 | 0.008 | 116 | 12.2 |
| 09:30-09:59 | 0.009 | 0.007 | 0.010 | 0.008 | 0.008 | 117 | 11.6 |
| 10:00-10:29 | 0.008 | 0.006 | 0.008 | 0.008 | 0.008 | 121 | 10.5 |
| 10:30-10:59 | 0.008 | 0.005 | 0.009 | 0.008 | 0.008 | 119 | 11.3 |
| 11:00-11:29 | 0.008 | 0.004 | 0.009 | 0.008 | 0.009 | 123 | 10.5 |
| 11:30-11:59 | 0.009 | 0.003 | 0.009 | 0.009 | 0.009 | 121 | 9.0 |
| 12:00-12:29 | | | | | | 137 | 8.7 |
| 12:30-12:59 | | | | | | 126 | 9.2 |
| 13:00-13:29 | | | | | | 153 | 7.5 |
| 13:30-13:59 | | | | | | 167 | 7.8 |
| 14:00-14:29 | | | | | | 150 | 6.2 |
| 14:30-14:59 | | | | | | 184 | 6.0 |
| 15:00-15:29 | | | | | | 193 | 3.6 |
| 15:30-15:59 | | | | | | 188 | 7.6 |
| 16:00-16:29 | | | | | | 170 | 5.6 |
| 16:30-16:59 | | | | | | 163 | 3.7 |
| 17:00-17:29 | | | | | | 168 | 5.7 |
| 17:30-17:59 | | | | | | 149 | 6.1 |
| 18:00-18:29 | | | | | | 150 | 5.1 |
| 18:30-18:59 | | | | | | 144 | 7.4 |
| **Daily Average** | **0.010** | **0.007** | **0.010** | **0.009** | **0.010** | **126** | **8.1** |

**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

## 9/1/2023



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

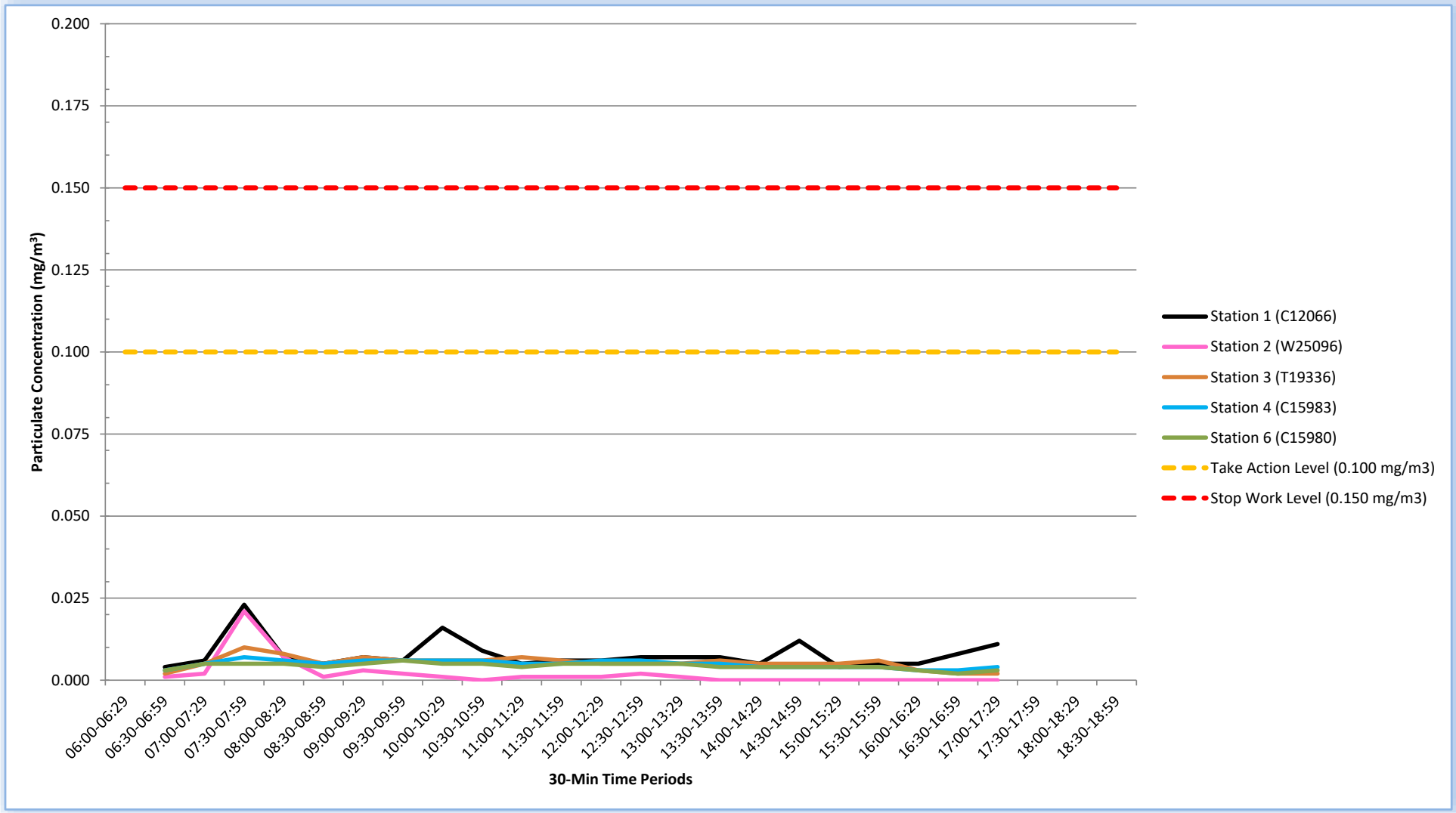
| Time Interval (30-min) | Station 1 (C12066) (mg/m3) | Station 2 (W25096) (mg/m3) | Station 3 (T19336) (mg/m3) | Station 4 (C15983) (mg/m3) | Station 6 (C15980) (mg/m3) | Wind Direction (from N) | Wind Speed (mph) |
|---|---|---|---|---|---|---|---|
| 06:00-06:29 | | | | | | 168 | 5.3 |
| 06:30-06:59 | 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



# ATTACHMENT B

## Laboratory Analytical Data

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 | ☐ |

**Revision:**1

**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 |

**Revision:**1

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 |

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
Everett, WA +1 425 356 2600
Fort Collins, CO +1 970 490 1511
Holland, MI +1 616 399 6070

# Chain of Custody Form



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 Wilz | 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.Wilz@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 | SDA0003 | | 925 | | | | | | | | | | | | | | |

| Sampler(s) Please Print & Sign | Shipment Method | Required Turnaround Time: (Check Box) | Results Due Date: |
|---|---|---|---|
| Madeline Mertes | | ~~STD 10 Wk Days~~ X 5 Wk Days 2 Wk Days ~~Other 72 hr~~ X 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 |
| | 4.31 |

QC Package: (Check One Box Below)
- Level II Std QC
- Level III Std QC/Raw Date
- Level IV SW846/CLP
- Other
- X 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)~~ ICLAB |
| Work Order | | Project Number | ~~1139351A14~~ 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 Wade | 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.Wade@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 | SDAS004 | 7/31/23 | 927 | ~~SS~~ Water | ~~4°~~ 8 | 2 | X | X | X | | | | | | | W | |
| 2 | | SDAS005 | | 0944 | | | | | | | | | | | | | | |
| 3 | | SDAS006 | | 0945 | | | | | | | | | | | | | | |
| 4 | | SDAS007 | | 1000 | | | | | | | | | | | | | | |
| 5 | | SDAS008 | | 1004 | | | | | | | | | | | | | | |
| 6 | | SDAS009 | | 1010 | | | 1 | | | | | | | | | | | |
| 7 | | SDAN002 | | 1031 | | | 1 | | | | | | | | | | | |
| 8 | | SDAS002 | | 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 15:03 | 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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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 |
| **Project:** | Frisco CDC Interim Action |
| **WorkOrder:** | **HS23081099** |

**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: 08/24/2023 |
| 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, ~~Ba~~ 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 | ~~X~~ | ~~X~~ | | | ✓ | | | | | | |
| 2 | SDAS001-002-1 | | 10:45 | | | 2 | ~~X~~ | ~~X~~ | | | ✓ | | | | | | |
| 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 | ~~X~~ | ~~X~~ | | | ✓ | | | | | | |
| 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.
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
Everett, WA +1 425 356 2600
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) ☐ 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): 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

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 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 | SDA5007-1 | | 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): CG 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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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 | 8/15/'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 Ketaki

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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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

SIM
Date: 08117123

51346 AUG 16 2023

Part # 952469-494 MTW EXP 11/23

ALS 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

5833C1/6AE4/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

952469-435 MTW EXP 06/24

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 | 6L2Ø4Ø9Ø62Ø5 | 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 | CWØØ7 | 8/12/2023 | 1145 | SO | N/A | 1 | | | | | ✓ | | | | | | |
| 2 | CWØØ8 | 8/12/2023 | 1150 | SO | N/A | 1 | | | | | ✓ | | | | | | |
| 3 | CWØØ9 | 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 | SDAWØØ1-Ø1 | 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

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 | **TRRP Laboratory Data Package Cover Page** |
| **Project:** | Frisco Pre-Excavation Soil | |
| **WorkOrder:** | **HS23080642** | |

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 |
| IR31 | |
| | |

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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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: | |
| ished by: | Date: | Time: | Received by (Laboratory): PG 8-10-23 1019 | |
| by (Laboratory): | Date: | Time: | Checked by (Laboratory): | |

Notes: Frisco Pre-Excavation

| Cooler ID | Cooler Temp. |
|---|---|
| | |
| | |
| | |

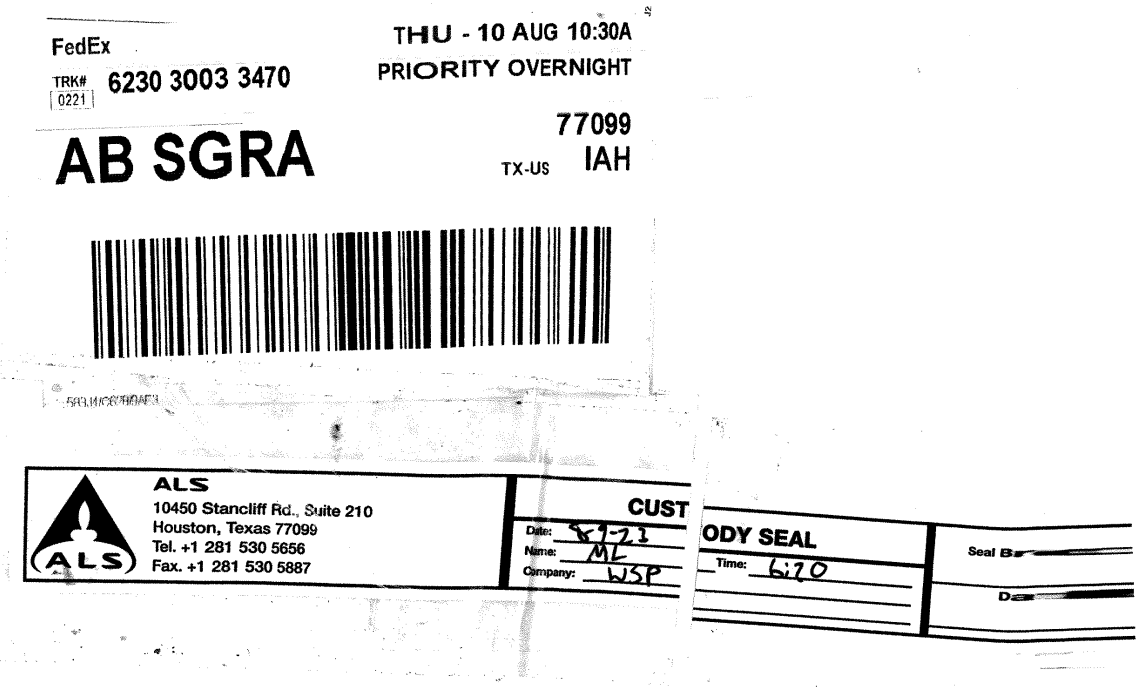
QC Package: (Check One Box Below)

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

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.

Copyright 2011 by ALS Environmental.


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
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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 | 12-Aug-2023 10:40 | **Reviewed by:** | /S/ Tyler Monroe | 15-Aug-2023 13:56 |
|---|---|---|---|---|---|
| | 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 ☐ | 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) ☐ STD 10 Wk Days ☒ [illegible]ys ☐ 2 Wk Days ☐ 24 Hour ☑ Other 72 hr TAT

Results Due Date:

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Matt Loughney | Date: 8-11-23 | Time: 1630 | Received by: | |
| 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. |
|---|---|
| 50993 | 3.1° |
| 18971 | |
| | |

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

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 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 | GL2040062.05 | 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-46 | 8/10/2023 | 1623 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 2 | CW004-01 | 8/11/2023 | 0815 | SO. | N/A | 1 | | | | | ✓ | | | | | | |
| 3 | CW005-01 | 8/11/2023 | 1237 | SO. | N/A | 1 | | | | | ✓ | | | | | | |
| 4 | CW006-01 | 8/11/2023 | 1512 | SO. | N/A | 1 | | | | | ✓ | | | | | | |
| 5 | SP-47 | 8/11/2023 | 1600 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 6 | SP-48 | 8/11/2023 | 1604 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 7 | SP-49 | 8/11/2023 | 1607 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 8 | SP-50 | 8/11/2023 | 1611 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 9 | SP-51 | 8/11/2023 | 1615 | SO. | N/A | 1 | ✓ | | | | | | | | | | |
| 10 | SP-52 | 8/11/2023 | 1618 | SO. | N/A | 1 | ✓ | | | | | | | | | | |

Sampler(s) Please Print & Sign: Matt Laughner

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:

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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50943 AUG 1 2 2023

50943

ORIGIN ID:SGRA (573) 201-0176
GERARDO RUIZ
WSP USA
3102 OAK LAWN AVENUE SUITE 450
DALLAS, T
UNITED ST

SHIP DATE: 08JUN23
ACTWGT: 1.00 LB MAN
CAD: 0221247/CAFE3707
DIMS: 26x14x14 IN

TO SHIP
ALS
1045
SUIT
HOUSTON TX 77099
(281) 630-6666
REF: FRISCO PRE-EXCAVATION=BO 93567-DW

RMA:

FedEx Express

FedEx
TRK# 0221 6230 3001 1475

SATURDAY 12:00P
PRIORITY OVERNIGHT

43 SGRA

77099
TX-US IAH

Part # 159469-494 MTW EXP 12/23

583C2/29AB/FE2B

EXP 06/24

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

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.<br><br>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:

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: 298863

**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, 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 ☐ 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.
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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 | SDAS004-1 | | 14:45 | | | 1 | | | | | ✓ | | | | | | |
| 3 | SDAS003-1 | | 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: Nihaan 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 ☐ 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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+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: 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 Katak Katak

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: |
|---|---|---|---|
| Katak | 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
☐ 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

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

RETURNS MON - SAT
FRI - 18 AUG 10:30A
PRIORITY OVERNIGHT

AB SGRA

77099
TX - US IAH

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: |
|---|---|---|---|
| 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. |
|---|---|
| 514491 | 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-2-1

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
10450 Stancliff Rd., Suite 210
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:
Date: 09107123

51499 SEP 0 7 2023

ALS
10450 Stancliff Rd., Suite 210
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:
Date: 09107123

Part # 158469-434 MTTW EXP 11/23

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:

5855C5/7584/FE2D

FedEx Express

FedEx
TRK# 0221 6230 3004 2544

THU - 07 SEP 10:30
PRIORITY OVERNIGHT

**43 SGRA**

77099
TX-US IAH

EXP 07/24

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

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: |
|---|---|---|---|
| | 1/9/23 | 11:00 | |
| Relinquished by: | Date: | Time: | Received by (Laboratory): |
| | | | 9-2-23 0850 |
| Logged by (Laboratory): | Date: | Time: | Checked by (Laboratory): |

Notes: Frisco Pre-Excavation

| Cooler ID | Cooler Temp. |
|---|---|
| 50777 | 1.0°C |
| 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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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 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 # 158468-434 MTW EXP 11/23

ALS

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

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 |
| **Project:** | Frisco Pre-Excavation Soil |
| **WorkOrder:** | **HS23090441** |

**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: 09/12/2023 |
| 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 | 0950 | 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 |

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
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
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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

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

Copyright 2011 by ALS Environmental.

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 1622

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

# ANALYTICAL REPORT

Report Date: July 24, 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: **34-2320258**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230720-DW-096**
Lab ID: 2320258001
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 3122 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000072 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000048 | 0.15 | 0.50 |

Sample ID: **FOPR-230720-DW-066**
Lab ID: 2320258002
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 3105 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000072 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000048 | 0.15 | 0.50 |

Sample ID: **FOPR-230720-DW-336**
Lab ID: 2320258003
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 3447 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000065 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000044 | 0.15 | 0.50 |

# ANALYTICAL REPORT

Workorder: **34-2320258**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230720-DW-980**
Lab ID: 2320258004
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 2297 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000098 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000065 | 0.15 | 0.50 |

Sample ID: **FOPR-230720-DW-983**
Lab ID: 2320258005
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 3238 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000069 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000046 | 0.15 | 0.50 |

Sample ID: **FOPR-230720-DW-096-FB**
Lab ID: 2320258006
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 0 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| 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-230720-DW-096-TB**
Lab ID: 2320258007
Sampling Location: Frisco Development
Collected: 07/20/2023
Received: 07/21/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 0 L
**Instrument:** ICP13
**Prepared:** 07/21/2023 (309024)
**Analyzed:** 07/24/2023 (309074)

| 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 (309074)** | /S/ Peter P. Steen<br>07/24/2023 14:44 | /S/ Ethan Hamilton<br>07/24/2023 16:33 |

# ANALYTICAL REPORT

Workorder: **34-2320258**
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.
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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.

# ANALYTICAL REPORT

Report Date: July 25, 2023

Grant Sherwood
Remediation Services, Inc.
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2735 South 10th Street
Independence, KS 67301

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2320512**
Client Project ID: Frico Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230721-DW-096**
Lab ID: 2320512001
Sampling Location: Frico Development Co
Collected: 07/21/2023
Received: 07/24/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4481 L
**Instrument:** ICP13
**Prepared:** 07/24/2023 (309067)
**Analyzed:** 07/25/2023 (309120)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230721-UW-066**
Lab ID: 2320512002
Sampling Location: Frico Development Co
Collected: 07/21/2023
Received: 07/24/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4374 L
**Instrument:** ICP13
**Prepared:** 07/24/2023 (309067)
**Analyzed:** 07/25/2023 (309120)

| 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-230721-DW-336**
Lab ID: 2320512003
Sampling Location: Frico Development Co
Collected: 07/21/2023
Received: 07/24/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4749 L
**Instrument:** ICP13
**Prepared:** 07/24/2023 (309067)
**Analyzed:** 07/25/2023 (309120)

| 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 |

# ANALYTICAL REPORT

Workorder: **34-2320512**
Client Project ID: Frico Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230721-DW-980**
Lab ID: 2320512004
Sampling Location: Frico Development Co
Collected: 07/21/2023
Received: 07/24/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4025 L
**Instrument:** ICP13
**Prepared:** 07/24/2023 (309067)
**Analyzed:** 07/25/2023 (309120)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000056 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000037 | 0.15 | 0.50 |

Sample ID: **FOPR-230721-DW-983**
Lab ID: 2320512005
Sampling Location: Frico Development Co
Collected: 07/21/2023
Received: 07/24/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4469 L
**Instrument:** ICP13
**Prepared:** 07/24/2023 (309067)
**Analyzed:** 07/25/2023 (309120)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | **(0.18)** | **(0.000039)** | 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 (309120)** | /S/ Peter P. Steen<br>07/25/2023 15:19 | /S/ Ethan Hamilton<br>07/25/2023 16:46 |

## Laboratory Contact Information

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Web: www.alsglobal.com/slt

# ANALYTICAL REPORT

Workorder: **34-2320512**
Client Project ID: Frico Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## General Lab Comments

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Samples were received in acceptable condition unless otherwise noted.
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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.
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.

# ANALYTICAL REPORT

Report Date: July 27, 2023

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2320606**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230722-UW-980** Collected: 07/22/2023
Lab ID: 2320606001 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP12
**Dilution:** 1 **Sampling Parameter:** Air Volume 4467 L **Prepared:** 07/26/2023 (309110)
**Analyzed:** 07/27/2023 (309196)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

Sample ID: **FOPR-230722-DW-336** Collected: 07/22/2023
Lab ID: 2320606002 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP12
**Dilution:** 1 **Sampling Parameter:** Air Volume 4529 L **Prepared:** 07/26/2023 (309110)
**Analyzed:** 07/27/2023 (309196)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230722-DW-096** Collected: 07/22/2023
Lab ID: 2320606003 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP12
**Dilution:** 1 **Sampling Parameter:** Air Volume 4529 L **Prepared:** 07/26/2023 (309110)
**Analyzed:** 07/27/2023 (309196)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

# ANALYTICAL REPORT

Workorder: **34-2320606**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230722-DW-066**
Lab ID: 2320606004
Sampling Location: Frisco Development C
Collected: 07/22/2023
Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4575 L
**Instrument:** ICP12
**Prepared:** 07/26/2023 (309110)
**Analyzed:** 07/27/2023 (309196)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000049 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230722-DW-983**
Lab ID: 2320606005
Sampling Location: Frisco Development C
Collected: 07/22/2023
Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4472 L
**Instrument:** ICP12
**Prepared:** 07/26/2023 (309110)
**Analyzed:** 07/27/2023 (309196)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 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 (309196)** | /S/ Ethan Hamilton<br>07/27/2023 13:45 | /S/ Kristie F. Bitner<br>07/27/2023 15:27 |

## Laboratory Contact Information

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Web: www.alsglobal.com/slt

# ANALYTICAL REPORT

Workorder: **34-2320606**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## General Lab Comments

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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.

# ANALYTICAL REPORT

Report Date: July 26, 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: **34-2320607**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230724-UW-066**
Lab ID: 2320607001
Sampling Location: Frisco Development Corporation
Collected: 07/24/2023
Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4472 L
**Instrument:** ICP13
**Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

Sample ID: **FOPR-230724-DW-983**
Lab ID: 2320607002
Sampling Location: Frisco Development C
Collected: 07/24/2023
Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4467 L
**Instrument:** ICP13
**Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

Sample ID: **FOPR-230724-DW-096**
Lab ID: 2320607003
Sampling Location: Frisco Development C
Collected: 07/24/2023
Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4438 L
**Instrument:** ICP13
**Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| 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: **34-2320607**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230724-DW-980** Collected: 07/24/2023
Lab ID: 2320607004 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 4438 L **Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| 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-230724-DW-336** Collected: 07/24/2023
Lab ID: 2320607005 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 4469 L **Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

Sample ID: **FOPR-230724-FB-DW-096** Collected: 07/24/2023
Lab ID: 2320607006 Sampling Location: Frisco Development C Received: 07/25/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 0 L **Prepared:** 07/25/2023 (309109)
**Analyzed:** 07/26/2023 (309158)

| 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 |

## Comments

**Sample: 2320607003**

**Sample: 2320607004**

**Sample: 2320607005**

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

| Method (Analysis Batch) | Analyst | Peer Review |
|---|---|---|
| **NIOSH 7300 Mod., MCE (309158)** | /S/ Ethan Hamilton<br>07/26/2023 14:47 | /S/ Penny A. Foote<br>07/26/2023 16:28 |

# ANALYTICAL REPORT

Workorder: **34-2320607**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071 / 22328
Project Manager: Jessica Cofrancesco

## Laboratory Contact Information

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

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

## 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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** No result could be reported, see sample comments for details.
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# ANALYTICAL REPORT

Report Date: July 28, 2023

Grant Sherwood
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Workorder: **34-2320825**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230726-DW-983** Collected: 07/26/2023
Lab ID: 2320825001 Sampling Location: Frisco Development C Received: 07/27/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 4380 L **Prepared:** 07/27/2023 (309208)
**Analyzed:** 07/28/2023 (309234)

| 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-230726-DW-066** Collected: 07/26/2023
Lab ID: 2320825002 Sampling Location: Frisco Development C Received: 07/27/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 4524 L **Prepared:** 07/27/2023 (309208)
**Analyzed:** 07/28/2023 (309234)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230726-DW-096** Collected: 07/26/2023
Lab ID: 2320825003 Sampling Location: Frisco Development C Received: 07/27/2023

**Method:** NIOSH 7300 Mod., MCE **Media:** MCE Filter **Instrument:** ICP13
**Dilution:** 1 **Sampling Parameter:** Air Volume 4457 L **Prepared:** 07/27/2023 (309208)
**Analyzed:** 07/28/2023 (309234)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

# ANALYTICAL REPORT

Workorder: **34-2320825**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230726-DW-980**
Lab ID: 2320825004
Sampling Location: Frisco Development C
Collected: 07/26/2023
Received: 07/27/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4269 L
**Instrument:** ICP13
**Prepared:** 07/27/2023 (309208)
**Analyzed:** 07/28/2023 (309234)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000053 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000035 | 0.15 | 0.50 |

Sample ID: **FOPR-230726-DW-336**
Lab ID: 2320825005
Sampling Location: Frisco Development C
Collected: 07/26/2023
Received: 07/27/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4563 L
**Instrument:** ICP13
**Prepared:** 07/27/2023 (309208)
**Analyzed:** 07/28/2023 (309234)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000049 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 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 (309234)** | /S/ Peter P. Steen<br>07/28/2023 12:29 | /S/ Ethan Hamilton<br>07/28/2023 14:50 |

## Laboratory Contact Information

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# ANALYTICAL REPORT

Workorder: **34-2320825**
Client Project ID: Frisco Development Corporation
Purchase Order: 22071/22328
Project Manager: Jessica Cofrancesco

## General Lab Comments

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Samples were received in acceptable condition unless otherwise noted.
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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.

# ANALYTICAL REPORT

Report Date: August 01, 2023

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2321225**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230728-DW-980**
Lab ID: 2321225001
Sampling Location: Frisco Development
Collected: 07/28/2023
Received: 07/31/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4564 L
**Instrument:** ICP13
**Prepared:** 07/31/2023 (309279)
**Analyzed:** 08/01/2023 (309327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000049 | 0.023 | 0.075 |
| Lead | **(0.22)** | **(0.000048)** | 0.15 | 0.50 |

Sample ID: **FOPR-230728-DW-096**
Lab ID: 2321225002
Sampling Location: Frisco Development
Collected: 07/28/2023
Received: 07/31/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4514 L
**Instrument:** ICP13
**Prepared:** 07/31/2023 (309279)
**Analyzed:** 08/01/2023 (309327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230728-DW-983**
Lab ID: 2321225003
Sampling Location: Frisco Development
Collected: 07/28/2023
Received: 07/31/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4559 L
**Instrument:** ICP13
**Prepared:** 07/31/2023 (309279)
**Analyzed:** 08/01/2023 (309327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000049 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

# ANALYTICAL REPORT

Workorder: **34-2321225**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230728-DW-336**
Lab ID: 2321225004
Sampling Location: Frisco Development
Collected: 07/28/2023
Received: 07/31/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4232 L
**Instrument:** ICP13
**Prepared:** 07/31/2023 (309279)
**Analyzed:** 08/01/2023 (309327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000053 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000035 | 0.15 | 0.50 |

Sample ID: **FOPR-230728-DW-066**
Lab ID: 2321225005
Sampling Location: Frisco Development
Collected: 07/28/2023
Received: 07/31/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4534 L
**Instrument:** ICP13
**Prepared:** 07/31/2023 (309279)
**Analyzed:** 08/01/2023 (309327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 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 (309327)** | /S/ Ethan Hamilton<br>08/01/2023 13:24 | /S/ Kristie F. Bitner<br>08/01/2023 15:04 |

## Laboratory Contact Information

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# ANALYTICAL REPORT

Workorder: **34-2321225**
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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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.

# ANALYTICAL REPORT

Report Date: September 06, 2023

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E-mail: gsherwood@rsi-ks.com

Workorder: **34-2324441**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230831-DW-983**
Lab ID: 2324441001
Sampling Location: Frisco Development
Collected: 08/31/2023
Received: 09/01/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4557 L
**Instrument:** ICP14
**Prepared:** 09/05/2023 (310292)
**Analyzed:** 09/06/2023 (310327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000049 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000033 | 0.15 | 0.50 |

Sample ID: **FOPR-230831-DW-980**
Lab ID: 2324441002
Sampling Location: Frisco Development
Collected: 08/31/2023
Received: 09/01/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4446 L
**Instrument:** ICP14
**Prepared:** 09/05/2023 (310292)
**Analyzed:** 09/06/2023 (310327)

| 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-230831-DW-096**
Lab ID: 2324441003
Sampling Location: Frisco Development
Collected: 08/31/2023
Received: 09/01/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4463 L
**Instrument:** ICP14
**Prepared:** 09/05/2023 (310292)
**Analyzed:** 09/06/2023 (310327)

| Analyte | Result (ug/sample) | Result (mg/m³) | LOD (ug/sample) | RL (ug/sample) |
|---|---|---|---|---|
| Cadmium | <0.023 | <0.0000050 | 0.023 | 0.075 |
| Lead | <0.15 | <0.000034 | 0.15 | 0.50 |

# ANALYTICAL REPORT

Workorder: **34-2324441**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## Analytical Results

Sample ID: **FOPR-230831-DW-336**
Lab ID: 2324441004
Sampling Location: Frisco Development
Collected: 08/31/2023
Received: 09/01/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4429 L
**Instrument:** ICP14
**Prepared:** 09/05/2023 (310292)
**Analyzed:** 09/06/2023 (310327)

| 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-230831-UW-066**
Lab ID: 2324441005
Sampling Location: Frisco Development
Collected: 08/31/2023
Received: 09/01/2023

**Method:** NIOSH 7300 Mod., MCE
**Dilution:** 1
**Media:** MCE Filter
**Sampling Parameter:** Air Volume 4367 L
**Instrument:** ICP14
**Prepared:** 09/05/2023 (310292)
**Analyzed:** 09/06/2023 (310327)

| 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 |

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

| Method (Analysis Batch) | Analyst | Peer Review |
|---|---|---|
| **NIOSH 7300 Mod., MCE (310327)** | /S/ Joanna C. Sanchez<br>09/06/2023 11:55 | /S/ Ethan Hamilton<br>09/06/2023 15:29 |

## Laboratory Contact Information

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# ANALYTICAL REPORT

Workorder: **34-2324441**
Client Project ID: Frisco Development Corporation
Purchase Order: 22328
Project Manager: Jessica Cofrancesco

## General Lab Comments

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# ANALYTICAL REPORT

Report Date: September 08, 2023

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Remediation Services, Inc.
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2735 South 10th Street
Independence, KS 67301

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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<br>09/08/2023 11:24 | /S/ Ethan Hamilton<br>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

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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

## General Lab Comments

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## 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.

# ANALYTICAL REPORT

Report Date: September 11, 2023

Grant Sherwood
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Independence, KS 67301

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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<br>09/11/2023 13:48 | /S/ Kristie F. Bitner<br>09/11/2023 15:05 |

## Laboratory Contact Information

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960 W Levoy Drive
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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.
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 |

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# 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.