Supplemental Phase II Environmental Site Assessment

960 East 3rd Avenue
Spokane, Washington 99202

EPA Cooperative Agreement Number:
BF-01J65801-1

October 8, 2021

Prepared for:

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Project No: 185705581

Sign-off Sheet

This document entitled *Supplemental Phase II Environmental Site Assessment, 960 East 3rd Avenue Spokane, Washington 99202* was prepared by Stantec Consulting Services Inc. (Stantec) for the City of Spokane (the "Client"). Any reliance on this document by any third party is strictly prohibited. The material in it reflects Stantec's professional judgment considering the scope, schedule and other limitations stated in the document and in the contract between Stantec and the Client. The opinions in the document are based on conditions and information existing at the time the document was published and do not consider any subsequent changes. In preparing the document, Stantec did not verify information supplied to it by others. Any use which a third party makes of this document is the responsibility of such third party. Such third party agrees that Stantec shall not be responsible for costs or damages of any kind, if any, suffered by it or any other third party because of decisions made or actions taken based on this document.

This document was prepared under the supervision and direction of the key staff identified below.

Prepared by 

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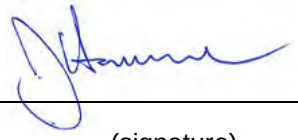
Nina Bellus, EIT, Environmental Engineer

Reviewed by 

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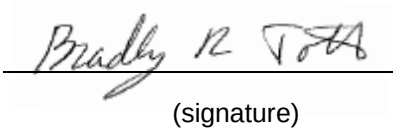
Joseph Hammer, PMP, Senior Associate

Approved by 

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Bradly R. Toth, Principal Scientist

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Acronyms and Abbreviations

ABCA	Analysis of Brownfield Cleanup Alternatives
bgs	below ground surface
CFR	Code of Federal Regulations
cPAH	carcinogenic PAH
CUL	cleanup levels
Ecology	Washington State Department of Ecology
EPA	United States Environmental Protection Agency
ESA	environmental site assessment
Fulcrum	Fulcrum Environmental Consulting
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MTCA	Model Toxics Control Act
PAH	polycyclic aromatic hydrocarbon
PID	photoionization detector
QA	quality assurance
QC	quality control
REC	recognized environmental condition
RCRA	Resource Conservation and Recovery Act
SHA	Spokane Housing Authority
SIM	selective ion monitoring
Stantec	Stantec Consulting Services Inc.
SVOC	semi-volatile organic compound
TCLP	Toxicity Characteristic Leaching Procedure
TEF	toxicity equivalency factor
TEQ	toxicity equivalency quotient
UST	underground storage tank
VOC	volatile organic compound
WAC	Washington Administrative Code

1.0 INTRODUCTION

On behalf of the Spokane Housing Authority (SHA), Stantec Consulting Services Inc. (Stantec) has completed a Supplemental Phase II Environmental Site Assessment (ESA) for the property located at 960 East 3rd Avenue in Spokane, Washington (the "Property"). **Figure 1** shows the location of the Property. The work described herein was completed in general accordance with our proposal to SHA dated August 6, 2021.

2.0 SITE DESCRIPTION

The Property consists of approximately 1.8 acres divided into seven parcels, as shown on **Figure 1**. The central parcel is improved with a 6,360-square-foot single-story warehouse and an unpaved parking area. The remaining parcels are undeveloped. The Property is zoned "C-1" for general commercial and is owned by Daybreak Youth Services of Spokane.

The Property is bounded to the north by a used car dealership and East 3rd Street followed by commercial properties; to the east by the same used car dealership and South Arthur Street followed by a vacant lot; to the south by Interstate 90; and to the west by South Conklin Street followed by a parking lot. Of note, the surface of the Property is at a greater elevation than the adjoining sites. The layout of the Property is shown on **Figure 2**.

2.1 PREVIOUS ASSESSMENTS

2.1.1 2002 Phase I ESA

Fulcrum Environmental Consulting (Fulcrum) conducted a Phase I ESA for the Property in 2002 (Fulcrum 2002). Fulcrum identified one underground storage tank (UST) on the property and four offsite USTs on the adjacent northeast site as recognized environmental conditions (RECs) for the Property. The on-site UST was 500 gallons and reportedly used for vehicle fueling. The prior owner of the Property verbally indicated to Fulcrum that the UST was removed in 1978; however, no documentation of the decommissioning was found. The four off-site USTs were related to a gas station that operated between 1930 and 1970 on the adjacent northeast site. Two of the UST are indicated as removed and the other two have an unknown status with Washington State Department of Ecology (Ecology). Fulcrum stated that the likelihood of adverse environmental impacts to the Property was limited due to the period of time that has elapsed since closing of the gas station and the presence of shallow basalt bedrock which would minimize potential for groundwater impacts.

2.1.2 2017 Geotechnical Investigation

GeoEngineers conducted a geotechnical investigation for the Property in 2017. Nine test pits were excavated (TP-1 through TP-9 as shown on **Figure 2**) until refusal by bedrock. Debris and fill material were encountered in the test pits. Soil samples were analyzed for eight Resource Conservation and Recovery Act (RCRA 8) metals and polycyclic aromatic hydrocarbons (PAHs). Total lead and cadmium and the calculated toxic equivalency quotient (TEQ) of carcinogenic PAHs (cPAHs) using toxic equivalency factors were detected at concentrations that exceeded Model Toxics Control Act (MTCA) Method A cleanup levels (CULs). Groundwater was not encountered in the test pits.

2.1.3 2018 Limited Phase II ESA

Based on the results of their geotechnical investigation, GeoEngineers performed a Limited Phase II ESA for the Property in 2018 to define the extent of contamination that exceed MTCA Method A CULs (GeoEngineers 2018). Twelve additional test pits were excavated (TP-10 through TP-21, as shown on **Figure 2**) at the Property. Soil samples were analyzed for RCRA 8 metals and PAHs. The lab results indicate TEQ cPAHs and lead at concentrations greater than the MTCA Method A CULs and leachable lead at a concentration that exceeded the RCRA hazardous waste threshold (5 milligrams per liter [mg/L]; equivalent to parts per million).

2.1.4 2021 Analysis of Brownfield Cleanup Alternatives

In 2021, Stantec prepared an Analysis of Brownfield Cleanup Alternatives (ABCA) report for the Property that was funded through the City of Spokane's United States Environmental Protection Agency (EPA) Community-Wide Assessment Grant. The ABCA report presents a practical remedial alternative that would reduce contaminant exposure to levels protective of human health and the environment, based on site-specific conditions, technical feasibility, and preliminary cost evaluations. The ABCA identified three cleanup alternatives: Alternative #1 included a mix of excavation, off-site disposal and capping; Alternative #2 included excavation and off-site disposal and Alternative #3 included excavation stabilization of metals impacted soils and off-site disposal.

The recommended cleanup alternative was identified as Alternative #3. This alternative will effectively provide the owner with the most flexibility relative to redevelopment options and would achieve the cleanup goal of unrestricted residential land use for the future development of the Property. It is also considered to be the most cost-effective alternative.

The ABCA report will need to be updated based on the results of the Supplemental Phase II ESA that is the subject of this report.

3.0 PROJECT OBJECTIVES AND SCOPE OF WORK

The primary objectives of this Supplemental Phase II ESA were to address the data gaps in the prior geotechnical investigation and Limited Phase II ESA completed at the Property, specifically:

1. Assess whether the historical use of the 500-gallon UST on the Property has resulted in a release of petroleum products or other hazardous materials to the subsurface of the Property; and

2. Assess whether potential releases of petroleum products from USTs on the historical gas station adjacent northeast of the Property have resulted in impacts to the Property.

To accomplish these objectives, the planned scope of work in our proposal is summarized below. Because groundwater was anticipated to be at a depth of 60 feet or more, no groundwater samples were proposed.

- A geophysical survey to attempt to identify the 500-gallon UST cavity on the Property.
- Advancement of seven borings (designated SB01 through SB07) to a maximum depth of 8 feet below ground surface (bgs) for collection of up to two soil samples per boring: one sample from the interval exhibiting the greatest environmental impact based on field screening observations or else the mid-depth interval, and one sample from the boring terminus.
- Excavation of eleven test pits to a maximum depth of 8 feet bgs for collection of two soil samples per test pit: one sample from the interval exhibiting the greatest environmental impact based on field screening observations or else the mid-depth interval, and one sample from the bottom of the excavation.
- Analysis of soil samples for RCRA 8 metals and PAHs.

The following deviations from the planned scope of work occurred from encountered site conditions:

- Due to the shallow depth of bedrock, there was an insufficient amount of soil recovered in some borings to collect a second soil sample.
- Boring SB-07 was not advanced in the building due to the presence of an underground sewer line.

It is our opinion the deviations did not significantly impact the objectives of this Supplemental Phase II ESA. Sampling locations are shown on **Figure 2**.

4.0 FIELD SAMPLING PROGRAM

4.1 PRELIMINARY FIELD ACTIVITIES

4.1.1 Health and Safety

A site-specific health and safety plan was prepared to describe field sampling activity safety protocols for Stantec employees engaged in the project. At the start of each day of field activities, a safety meeting was held with contractors, and safety protocols were reviewed.

4.1.2 Utility Clearance

Prior to conducting fieldwork, the Washington State Utility Notification Center was contacted to mark the location of public utilities for the Property. In addition, a private utility locating service provider, Geophysical Survey LLC of Kennewick, Washington, was contracted to mark any subsurface utilities or structures within the planned investigation areas at the Property using a 400-megahertz ground penetrating radar antenna and a radio frequency detector (RD 7000/8000).

4.2 SUBSURFACE ASSESSEMENT

4.2.1 Geophysical Survey

Geophysical Survey completed a ground penetrating radar survey to attempt to identity the 500-gallon UST cavity on the Property. No evidence of the UST cavity was found.

4.2.2 Soil Sampling

On August 30, 2021, Stantec directed the advancement of six borings (SB01–SB06) and eleven test pits (TP22–TP32) by Environmental West Exploration of Spokane, Washington, a licensed Washington State driller. The borings were advanced using air rotary, and the test pits were excavated using a mini excavator. Only one boring, SB-06, was drilled to at least the target depth of 8.5 feet bgs; the remaining borings were terminated at bedrock, which was encountered at 2.5–6.5-feet bgs in the other borings. Groundwater was not encountered in the borings.

The collected soil was continuously logged for lithologic description using the Unified Soil Classification System and screened for visual/olfactory observations and for volatile organic compounds (VOCs) using a photoionization detector (PID) equipped with a 10.6 electron-volt lamp. The soil classification, physical characteristics, PID readings, and soil sampling intervals are documented in the boring logs provided in **Appendix A**.

Soil samples selected for laboratory analysis were placed into laboratory-supplied containers and submitted under chain-of-custody to Pace Analytical in Mt. Juliet, Tennessee for the following analyses:

- Lead and cadmium using EPA Method 6020B; and
- PAHs using EPA Method 8270E-Selective Ion Monitoring (SIM).

If lead was detected at a concentration of 100 milligrams per kilogram (mg/kg) or greater, then it was also analyzed using the Toxicity Characteristic Leaching Procedure (TCLP) using EPA Methods 1311 and 6010D to support potential soil disposal decision-making.

4.2.3 Quality Control Sampling

The following quality control (QC) samples were collected and analyzed to provide information on precision, accuracy, representativeness, comparability, and completeness of the data generated:

- Three field duplicate samples (designated FD01, FD02, and FD03) were analyzed for the same parameters as their parent samples, TP24 (2.5–3.0 feet), TP30 (0.0–1.0 feet), and TP28 (0.0–1.0 feet), respectively.
- One matrix spike/matrix spike duplicate sample was analyzed for the same parameters as its parent sample, TP29 (0.0–1.0 feet).
- One equipment blank sample (designated EB01) was collected by pouring deionized water over decontaminated non-disposable sampling equipment into laboratory-supplied bottles and analyzed for RCRA 8 metals and PAHs.

4.3 INVESTIGATION DERIVED WASTE

Soil cuttings generated during the subsurface assessment were collected in a 55-gallon drum temporarily stored on the Property pending analysis and waste characterization. One composite soil sample was analyzed for the waste characterization parameters listed as follows:

- RCRA 8 metals plus nickel, copper, and zinc using EPA Method 6020B/7471B; and
- Semi-volatile organic compounds (SVOCs) using EPA Method 8270C.

5.0 FIELD INVESTIGATION RESULTS

5.1 SITE GEOLOGY

The depths of the soil borings ranged from 2.5-feet bgs in boring SB05 to 8.5-feet bgs in boring SB06. In general, soils encountered in the borings consisted of silty sand with gravel. The depths of the test pits ranged from 1.0-foot bgs in test pits TP23, TP29, TP30, and TP31 to 5.0-feet bgs in TP25. In general, soils encountered in the test pits consisted of silty gravel and coarse rock fragments. Each of the soil borings and test pits terminated at the top of the underlying basalt bedrock. There was no field evidence of contamination (i.e., petroleum odors/staining, elevated PID readings) observed in soil samples from the borings and test pits. Based on investigations by Stantec at other sites in this general area of Spokane, it is suspected that the unconsolidated materials overlying bedrock at the Property may be fill. Some anthropogenic materials, such as bricks, concrete rubble, and refuse, were noted in the test pits supporting this idea. The observed soil types are described in more detail on the boring logs provided in **Appendix A**.

5.2 SITE HYROGEOLOGY

Groundwater was not encountered in the borings completed to a maximum depth of 8.5-feet bgs.

5.3 SOIL QUALITY

Twenty-five primary soil samples were collected from the completed borings and test pits. Soil samples were screened against MTCA Method A CULs and, for reference, the MTCA Method B Non-Cancer CULs (Ecology 2021). The soil analytical data are presented in **Table 1**, and the detected concentrations that exceed MTCA Method A CULs and respective sample locations are shown on **Figure 3**. Laboratory reports are provided in **Appendix B**. For samples with a duplicate pair where one or both samples exceed the screening criteria, only the greater of the two detected concentrations is counted and noted in the summaries below.

5.3.1 Soil Quality Findings (by Analyte)

The table below summarizes analytes detected at concentrations that exceed the MTCA Method A CULs. Due to a laboratory error, samples for boring SB01 and test pit TP23 and TP30 were not analyzed in time for this report. Their data will be reported in an addendum. A discussion of the results follows the table.

Analyte	Number of Primary Samples Analyzed	Number of Detections	Max Concentration	MTCA Method A CUL	Count Exceeding MTCA Method A CUL
Metals (mg/kg)					
Cadmium	25	84% (21)	2.09 mg/kg	2.0 mg/kg	1

Analyte	Number of Primary Samples Analyzed	Number of Detections	Max Concentration	MTCA Method A CUL	Count Exceeding MTCA Method A CUL
Lead	25	92% (23)	342 mg/kg	250 mg/kg	2
PAHs (mg/kg)					
Benzo(a)pyrene	25	72% (18)	0.254 mg/kg	0.1 mg/kg	3
cPAH TEQ[1]	25	84% (21)	0.341 mg/kg	0.1 mg/kg	4

- Cadmium was detected in sample FD02, the field duplicate for sample TP29 (0.0–1.0 foot), at a concentration of 2.09 mg/kg, which slightly exceeds the MTCA Method A CUL of 2.00 mg/kg. This test pit was completed in the gravel lot north of the Property's building. The soil at this boring location contained some metal and brick debris indicating the soil is likely fill material.

- Lead was detected in samples TP25 (4.5–5.0 feet) at 269 mg/kg and TP27 (1.0–1.5 feet) at 342 mg/kg, which exceeds the MTCA Method A CUL of 250 mg/kg. The TCLP results for these samples were 0.201 mg/L and non-detect, respectively. These test pits were completed in the gravel lot south and southeast of the Property's building.

- Benzo(a)pyrene was detected in samples SB06 (2.0–2.5 feet) at 0.174 mg/kg, FD01 (2.5–3.0 feet) at 0.129 mg/kg for the parent sample TP24 (2.5–3.0 feet), and TP27 (1.0-1.5 feet) at 0.254 mg/kg, which exceed the MTCA Method A CUL of 0.1 mg/kg. The calculated cPAH TEQ concentrations for these same samples also exceed the MTCA Method A CUL at 0.239 mg/kg, 0.170 mg/kg, and 0.341 mg/kg, respectively. Additionally, the calculated cPAH TEQ concentration for TP23 (0.0–1.0 feet) also exceeds the MTCA Method A CUL.

  Calculation of diagnostic ratios between select PAHs (depending on the ratio type) indicate the PAHs present in these samples are most likely from pyrogenic sources, which arise from the incomplete combustion of fossil fuels and organic matter and can be dispersed throughout shallow soils in urban areas from sources such as motor vehicle exhaust or emissions from coal and wood burning furnaces. Pyrogenic PAHs are also commonly associated with fill materials in urban settings, and their ubiquitous presence within the soil samples is indirect evidence for the unconsolidated materials at the Property being fill. The calculation of PAH diagnostic rations is provided as **Appendix C**.

5.4 DATA VALIDATION RESULTS

Quality assurance (QA)/QC procedures were incorporated into both field and laboratory protocols. This includes an analysis of the data from the QC samples discussed in **Section 4.2.3**. The data quality

[1] Per Washington Administrative Code (WAC) 173-340-708(8)(e), the toxicity of environmental samples containing mixtures of carcinogenic PAHs was evaluated by calculating TEQ concentrations per Ecology's published guidance *Evaluating the Human Health Toxicity of Carcinogenic PAHs (cPAHs) Using Toxicity Equivalency Factors (TEFs)* (2015). The total TEQs for the cPAH mixture in each sample were compared to the MTCA Method A CUL for benzo(a)pyrene, the reference chemical because its toxicity is well characterized.

objective for this investigation was for the analytical data to be reproducible and of an acceptable quality to allow for comparison with the applicable screening criteria for the project. The data quality review is provided in **Appendix D**. Based on the data quality review, the results indicate that the dataset is acceptable and usable for the purposes of this investigation.

5.5 INVESTIGATION DERIVED WASTE RESULTS

The analytical results of the composite sample of drummed soil cuttings were compared to the hazardous waste characteristics defined in 40 Code of Federal Regulations (CFR) Part 261, Subpart C. The analytical data are summarized on **Table 2**. The results indicate the investigation derived waste is characteristically non-hazardous.

6.0 CONCLUSIONS

The following conclusions were made based on the results of this Supplemental Phase II ESA.

- No UST was identified on the Property during the geophysical survey, validating the report from the prior owner of the Property, who indicated the UST had been removed.
- The soil sampling results indicate instances of lead, cadmium, and benzo(a)pyrene/TEQ that may require further actions; however, no wide-spread contamination was identified. Surface impacts of metals may be related to site activities, but the benzo(a)pyrene/TEQ impacts appear to be related to fill material used on the Property, supported by the anthropogenic materials encountered during test pitting, the results of diagnostic PAH ratios, and the fact that the level of the Property is at a greater elevation than the surrounding area.

7.0 RECOMMENDATIONS

Based on the findings of this Phase II ESA, Stantec makes the following recommendations:

- The data for the analytes for which concentrations exceed MTCA Method A CULs (see **Section 5.3**) are reportable by the property owner to Ecology within 90 days of the date of this report, as required by WAC 173-340-300.
- An ABCA was completed for the Property in June 2021 that recommended the remediation of soil impacts on the Property at concentrations that exceed MTCA Method A CULs. The ABCA report should be updated with the results of this Supplemental Phase II ESA which may extend the soil impacted areas needed for remediation.

8.0 LIMITATIONS

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

This report is limited by the following:

- Stantec spent only a limited amount of time on the property, and thus is not aware of any activities conducted on the property prior to or following the site visit.
- The investigation was limited to the analytical program specifically outlined in this report.
- The subsurface investigation was based on borehole locations and conditions may vary between boreholes.

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures should be confirmed and Stantec assumes no liability for damage to them.

The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling

locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment. In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

Should additional information become available which differs significantly from our understanding of conditions presented in this report, Stantec specifically disclaims any responsibility to update the conclusions in this report.

9.0 REFERENCES

Ecology. 2015. "Evaluating the Human Health Toxicity of Carcinogenic PAHs (cPAHs) Using Toxicity Equivalency Factors (TEFs)." *Implementation Memorandum #10.* Publication No. 15-09-049, April 20.

—. 2021. *Cleanup Levels and Risk Calculation (CLARC) Data Tables.* February. https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Contamination-clean-up-tools/CLARC.

Fulcrum. 2002. "Phase I Environmental Site Assessment."

GeoEngineers. 2018. "Limited Phase II ESA, 960 East 3rd Avenue, Hoquiam, Washington."

FIGURES

Approximate Property Boundary

Notes

1. Coordinate System: NAD 1983 UTM Zone 11N
2. Data Sources: Spokane County GIS
3. Background: 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

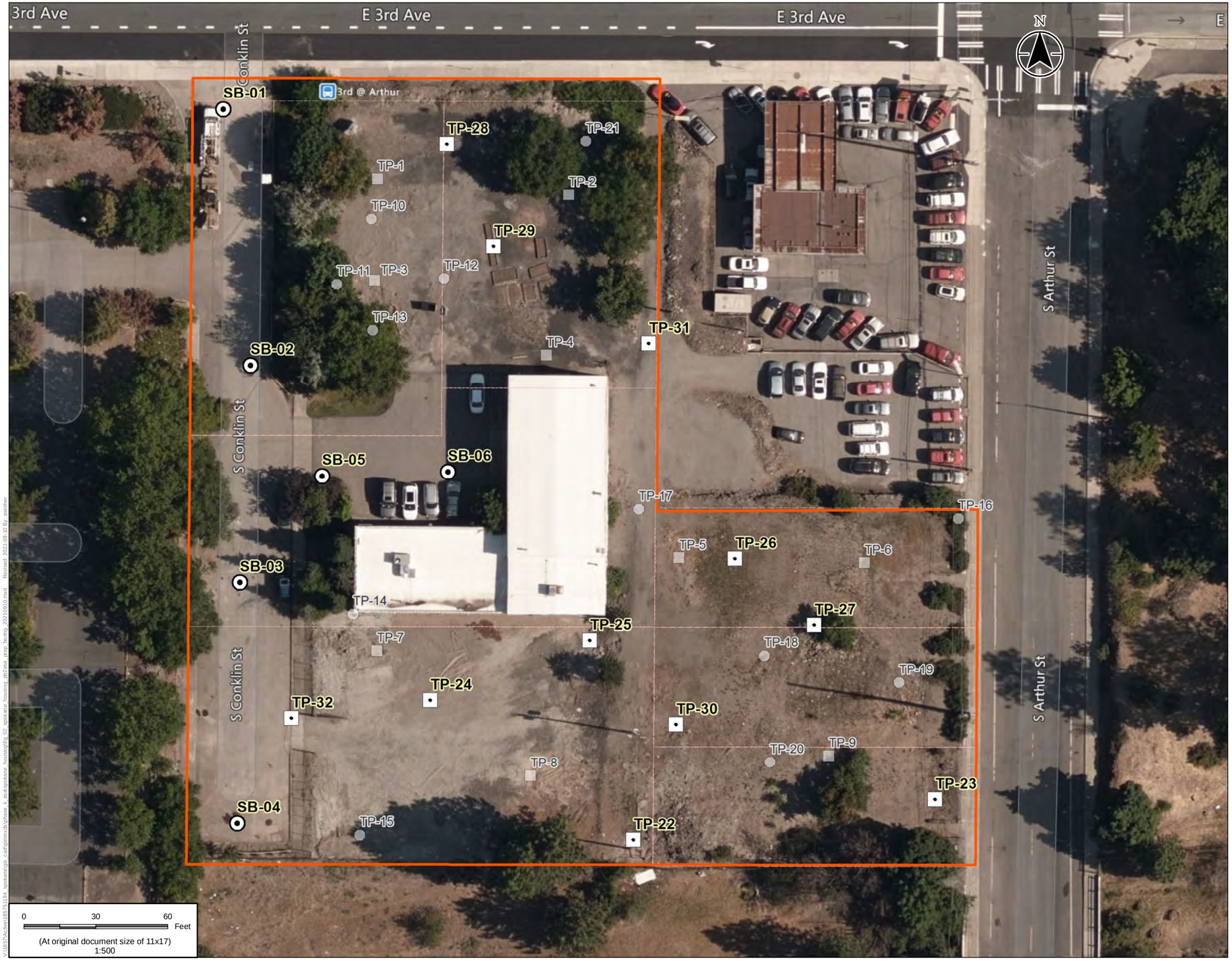
Stantec

Project Location
Daybreak Youth Services Property
960 East 3rd Avenue
Spokane, WA 99202

Client/Project 185705581
Spokane Housing Authority
Daybreak Youth Services Property
Phase II Environmental Site Assessment

Title
Property Location Map

Figure No.
1



Stantec

- Soil Boring Location
- Test Pit Location
- Previous Soil Boring Location (Geoengineers, 2017)
- Previous Soil Boring Location (Geoengineers, 2018)
- Spokane County Tax Parcel Boundary
- Approximate Property Boundary

Notes

1. Coordinate System: NAD 1983 HARN UTM Zone 11N
2. Data Sources: Spokane County GIS
3. Background: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS © 2021 TomTom
4. Site features noted on figure were observed during the Phase I site visit in December 2020 and do not necessarily represent current site conditions at the time of this report.

Project Location
Daybreak Youth Services Property
960 East 3rd Avenue
Spokane, WA 99202

Client/Project 185705581
Spokane Housing Authority
Daybreak Youth Services Property
Phase II Environmental Site Assessment

Title
Site Layout and Sampling Locations

Figure No.
2

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TP29	0.0-1.0 ft 08/30/2021	FD-02 0.0-1.0 ft 08/30/2021
Cadmium	0.105 J	2.09

SB06	0.0-0.5 ft 08/30/2021	2.0-2.5 ft 08/30/2021
Benzo(a)pyrene	0.0191	0.174
Total TEQ	0.025813	0.23913

TP24	0.0-0.5 ft 08/30/2021	2.5-3.0 ft 08/30/2021	FD-01 2.5-3.0 ft 08/30/2021
Benzo(a)pyrene	0.00639	0.0628 J	0.129 J
Total TEQ	0.009028	0.082504	0.16984

TP25	0.0-1.0 ft 08/30/2021	4.5-5.0 ft 08/30/2021
Lead	55.4	269

TP27	1.0-1.5 ft 08/30/2021
Lead	342
Benzo(a)pyrene	0.254
Total TEQ	0.34105

TP23	0.0-1.0 ft 08/30/2021
Total TEQ	0.152

Stantec

- Soil Boring Location
- Test Pit Location
- Soil Parameters Tested Were Below Guidelines
- One or More Soil Parameters Tested Exceed Guidelines
- Concentration Exceeds MTCA Method A Cleanup Levels
- Approximate Property Boundary

Sample ID / Sample Depth (feet)/ Sample Date

SB06	0.0-0.5 ft 08/30/2021	2.0-2.5 ft 08/30/2021
Benzo(a)pyrene	0.0191	0.174
Total TEQ	0.025813	0.23913

Parameter / Value (mg/kg)

Washington Department of Ecology
Model Toxics Control Act Cleanup Levels

Parameter	Units	MTCA CULs Method A
Benzo(a)pyrene	mg/kg	0.1
Cadmium	mg/kg	2
Lead	mg/kg	250
Total TEQ	mg/kg	0.1

Notes
1. Coordinate System: NAD 1983 HARN UTM Zone 11N
2. Orthoimagery © Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS © 2021 TomTom, 2020. Imagery Date, 2018.
3. mg/kg = milligrams per kilogram
4. Method A Unrestricted Land Use - Soil (February 2021)
5. J = The reported result is an estimated value.

Project Location
Daybreak Youth Services Property
960 East 3rd Avenue
Spokane, WA 99202

Client/Project 185705581
Spokane Housing Authority
Daybreak Youth Services Property
Phase II Environmental Site Assessment

Title
Summary of Soil Analytical Results

Figure No.
3

TABLES

Table 1
Summary of Soil Analytical Results
Supplemental Phase II Environmental Site Assessment
960 East 3rd Avenue
Spokane, Washington

Sample Location / Sample ID / Sample Date / Sample Depth (ft bgs) / Sample Type	Units	MTCA CULs Method A A	MTCA CULs Method B Non-Cancer B	DB-SB01SO-0.0-0.5 08/30/2021	DB-SB02SO-0.0-0.5 08/30/2021	DB-SB02SO-4.5-5.0 08/30/2021	DB-SB03SO-0.5-1.0 08/30/2021	DB-SB03SO-1.5-2.0 08/30/2021	DB-SB04SO-0.5-1.0 08/30/2021	DB-SB05SO-0.0-1.0 08/30/2021	DB-SB06SO-0.0-0.5 08/30/2021	DB-SB06SO-2.0-2.5 08/30/2021
Metals (6020B)												
Cadmium	mg/kg	2	80	**0.11 J**	**0.121 J**	0.0894 U	**0.168 J**	**0.155 J**	**0.0964 J**	0.0869 U	**0.22 J**	**0.599 J**
Lead	mg/kg	250	n/v	**16.5**	**27.3**	**10.7**	**17.8**	**45.6**	**21.1**	**8.7**	**42**	**216**
TCLP Metals (6010D)												
Lead	mg/L	n/v	n/v	--	--	--	--	--	--	--	--	0.0330 U
Polycyclic Aromatic Hydrocarbons (8270E-SIM)												
Acenaphthene	mg/kg	n/v	4,800	0.00234 UJ	0.0212 U	0.00219 U	0.0213 U	0.00227 U	0.0109 U	0.0107 U	**0.00249 J**	**0.00729**
Acenaphthylene	mg/kg	n/v	n/v	0.00242 UJ	0.0219 U	0.00226 U	0.0220 U	0.00234 U	0.0113 U	0.0110 U	0.00224 U	**0.0187**
Anthracene	mg/kg	n/v	24,000	0.00257 UJ	0.0234 U	0.00240 U	0.0235 U	**0.00262 J**	0.0120 U	0.0117 U	0.00238 U	**0.0265**
Benzo(a)anthracene	mg/kg	n/v	n/v	**0.00589 J**	0.0176 U	**0.00843**	0.0176 U	**0.0137**	**0.0194 J**	**0.0295 J**	**0.0253**	**0.163**
Benzo(a)pyrene	mg/kg	0.1	24	**0.00977 J**	0.0182 U	**0.00865**	0.0183 U	**0.0182**	**0.0176 J**	**0.0189 J**	**0.0191**	**0.174**
Benzo(b)fluoranthene	mg/kg	n/v	n/v	**0.00935 J**	**0.0236 J**	**0.0166**	**0.0308 J**	**0.0259**	**0.0205 J**	**0.018 J**	**0.0203**	**0.212**
Benzo(g,h,i)perylene	mg/kg	n/v	n/v	**0.0148 J**	**0.0485 J**	**0.0179**	**0.107 J-**	**0.0714**	**0.22**	**0.017 J**	**0.0208**	**0.185**
Benzo(k)fluoranthene	mg/kg	n/v	n/v	**0.00254 J**	0.0218 U	**0.00298 J**	0.0219 U	**0.00662**	0.0111 U	0.0109 U	**0.0035 J**	**0.0689**
Chloronaphthalene, 2-	mg/kg	n/v	6,400	0.00522 UJ	0.0473 U	0.00487 U	0.0475 U	0.00505 U	0.0243 U	0.0237 U	0.00483 U	0.00512 U
Chrysene	mg/kg	n/v	n/v	**0.00649 J**	0.0236 U	**0.0131**	**0.0318 J**	**0.0162**	**0.0258 J**	**0.0542**	**0.0405**	**0.144**
Dibenzo(a,h)anthracene	mg/kg	n/v	n/v	**0.0028 J**	0.0175 U	**0.00335 J**	0.0175 U	**0.0057 J**	**0.0139 J**	0.00874 U	**0.00689**	**0.035**
Fluoranthene	mg/kg	n/v	3,200	**0.00543 J**	0.0230 U	**0.0101**	0.0231 U	**0.017**	0.0118 U	**0.0181 J**	**0.0175**	**0.237**
Fluorene	mg/kg	n/v	3,200	0.00229 UJ	0.0208 U	0.00214 U	0.0209 U	0.00222 U	0.0107 U	0.0105 U	**0.00408 J**	**0.00748**
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	n/v	**0.00714 J**	0.0184 U	**0.00795**	0.0185 U	**0.0208**	**0.0266 J**	0.00920 U	**0.00709**	**0.158**
Methylnaphthalene, 1-	mg/kg	n/v	5,600	0.00503 UJ	0.0456 U	**0.0186 J**	**0.0558 J**	**0.0165 J**	**0.0271 J**	**0.0368 J**	**0.0207 J**	**0.0183 J**
Methylnaphthalene, 2-	mg/kg	n/v	320	0.00478 UJ	0.0434 U	**0.0269**	**0.0793 J**	**0.0236**	**0.0408 J**	**0.0484 J**	**0.0292**	**0.0247**
Naphthalene	mg/kg	5	1,600	0.00457 UJ	0.0414 U	**0.0071 J**	0.0416 U	**0.00599 J**	0.0213 U	0.0207 U	**0.0216**	**0.0154 J**
Phenanthrene	mg/kg	n/v	n/v	**0.0036 J**	**0.0271 J**	**0.0118**	**0.0544 J**	**0.0183**	**0.0451**	**0.0711**	**0.0431**	**0.155**
Pyrene	mg/kg	n/v	2,400	**0.0102 J**	0.0203 U	**0.0194**	**0.0414 J**	**0.0251**	**0.0467**	**0.0606**	**0.0445**	**0.254**
Toxicity Equivalency Concentration (TEQ)	**TEF**											
Benzo(a)anthracene	0.1			**0.000589**	0	**0.000843**	0	**0.00137**	**0.00194**	**0.00295**	**0.00253**	**0.0163**
Benzo(a)pyrene	1			**0.00977**	0	**0.00865**	0	**0.0182**	**0.0176**	**0.0189**	**0.0191**	**0.174**
Benzo(b)fluoranthene	0.1			**0.000935**	**0.00236**	**0.00166**	**0.00308**	**0.00259**	**0.00205**	**0.0018**	**0.00203**	**0.0212**
Benzo(k)fluoranthene	0.1			**0.000254**	0	**0.000298**	0	**0.000662**	0	0	**0.00035**	**0.00689**
Chrysene	0.01			**0.0000649**	0	**0.000131**	**0.000318**	**0.000162**	**0.000258**	**0.000542**	**0.000405**	**0.00144**
Dibenzo(a,h)anthracene	0.1			**0.00028**	0	**0.000335**	0	**0.00057**	**0.00139**	0	**0.000689**	**0.0035**
Indeno(1,2,3-cd)pyrene	0.1			**0.000714**	0	**0.000795**	0	**0.00208**	**0.00266**	0	**0.000709**	**0.0158**
Sum of cPAHs	mg/kg	0.1	24	**0.0126**	**0.00236**	**0.0127**	**0.00340**	**0.0256**	**0.0259**	**0.0242**	**0.0258**	**0.239**

Notes:

MTCA CULs	Washington Department of Ecology Model Toxics Control Act Cleanup Levels
A	Method A Unrestricted Land Use - Soil (February 2021)
B	Method B Non cancer - Soil (February 2021)
6.5	Concentration exceeds the indicated standard A.
15.2	Measured concentration did not exceed the indicated standard.
--	sample not analyzed
Blank cell	no screening level applies
cPAH	Carcinogenic PAH
CUL	Cleanup Level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
n/v	No standard/guideline value.
SIM	selective ion monitoring
TCLP	Toxicity Characteristic Leaching Procedure
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Concentration
	TEQ = cPAH concentration x TEF

Data Qualifier Codes:

J	The reported result is an estimated value.
U	The analyte was not detected above the method detection limit.
UJ	The analyte was not detected above the method detection limit, the reported value is estimated.

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Table 1
Summary of Soil Analytical Results
Supplemental Phase II Environmental Site Assessment
960 East 3rd Avenue
Spokane, Washington

Sample Location Sample ID Sample Date Sample Depth (ft bgs) Sample Type	Units	MTCA CULs Method A A	 Method B Non-Cancer B	DB-TP22SO-1.0-1.5 08/30/2021	DB-TP23SO-0.0-1.0 08/30/2021	DB-TP24SO-0.0-1.0 08/30/2021	DB-TP24SO-2.5-3.0 08/30/2021	DB-FD01 08/30/2021	DB-TP25SO-0.0-1.0 08/30/2021	DB-TP25SO-4.5-5.0 08/30/2021	DB-TP26SO-0.0-1.0 08/30/2021	DB-TP26SO-2.0-2.5 08/30/2021
Metals (6020B)												
Cadmium	mg/kg	2	80	**0.355 J**	**0.312 J**	**0.161 J**	**0.205 J**	**0.181 J**	**0.414 J**	**0.547 J**	**0.385 J**	**0.331 J**
Lead	mg/kg	250	n/v	**150**	**118**	**17.2**	**50.6 J**	**118 J**	**55.4**	**269**	**84.2**	**171**
TCLP Metals (6010D)												
Lead	mg/L	n/v	n/v	0.0330 U	--	--	--	0.0330 U	--	**0.201**	--	0.0330 U
Polycyclic Aromatic Hydrocarbons (8270E-SIM)												
Acenaphthene	mg/kg	n/v	4,800	0.00225 U	**0.00282 J**	0.00222 U	0.00245 U	0.00236 U	0.00225 U	0.00227 U	0.00215 U	0.00217 U
Acenaphthylene	mg/kg	n/v	n/v	0.00232 U	**0.0076 J**	0.00229 U	0.00254 U	**0.00596 J**	0.00232 U	0.00234 U	**0.00417 J**	**0.00349 J**
Anthracene	mg/kg	n/v	24,000	0.00247 U	**0.0144 J**	0.00244 U	**0.00513 J**	**0.00919**	0.00248 U	**0.00343 J**	**0.00325 J**	0.00239 U
Benzo(a)anthracene	mg/kg	n/v	n/v	**0.0209**	**0.0982 J**	**0.00571 J**	**0.0528 J**	**0.129 J**	0.00186 U	**0.0382**	**0.0235**	**0.0168**
Benzo(a)pyrene	mg/kg	0.1	24	**0.0198**	**0.114 J**	**0.00639**	**0.0628 J**	**0.129 J**	0.00193 U	**0.0289**	**0.0251**	**0.0198**
Benzo(b)fluoranthene	mg/kg	n/v	n/v	**0.0312**	**0.129 J**	**0.00874**	**0.061 J**	**0.127 J**	**0.00215 J**	**0.104**	**0.0353**	**0.028**
Benzo(g,h,i)perylene	mg/kg	n/v	n/v	**0.0158**	**0.0818 J**	**0.00761**	**0.0576**	**0.084**	0.00191 U	**0.0524**	**0.0326**	**0.02**
Benzo(k)fluoranthene	mg/kg	n/v	n/v	**0.0123**	**0.0559 J**	**0.00305 J**	**0.0216**	**0.0447**	0.00231 U	**0.0299**	**0.0104**	**0.00953**
Chloronaphthalene, 2-	mg/kg	n/v	6,400	0.00501 U	0.00482 UJ	0.00495 U	0.00547 U	0.00527 U	0.00502 U	0.00505 U	0.00479 U	0.00483 U
Chrysene	mg/kg	n/v	n/v	**0.0266**	**0.109 J**	**0.0339**	**0.0411 J**	**0.126 J**	0.00250 U	**0.0744**	**0.0221**	**0.0163**
Dibenzo(a,h)anthracene	mg/kg	n/v	n/v	**0.00349 J**	**0.0161 J**	0.00183 U	**0.00943**	**0.0166**	0.00185 U	**0.0106**	**0.0083**	**0.00374 J**
Fluoranthene	mg/kg	n/v	3,200	**0.0271**	**0.189 J**	**0.00889**	**0.0552 J**	**0.131 J**	0.00244 U	**0.0417**	**0.0371**	**0.0251**
Fluorene	mg/kg	n/v	3,200	0.00221 U	**0.0025 J**	0.00218 U	0.00241 U	0.00232 U	0.00221 U	**0.00612 J**	0.00211 U	0.00213 U
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	n/v	**0.0158**	**0.084 J**	**0.00549 J**	**0.0481**	**0.0785**	0.00195 U	**0.052**	**0.0203**	**0.0187**
Methylnaphthalene, 1-	mg/kg	n/v	5,600	0.00483 U	0.00464 UJ	0.00477 U	0.00527 U	0.00508 U	0.00483 U	**0.171**	**0.0052 J**	0.00466 U
Methylnaphthalene, 2-	mg/kg	n/v	320	0.00459 U	**0.00546 J**	0.00453 U	0.00501 U	**0.00528 J**	0.00460 U	**0.257**	**0.00564 J**	0.00443 U
Naphthalene	mg/kg	5	1,600	0.00439 U	**0.00589 J**	0.00433 U	0.00479 U	**0.00508 J**	0.00439 U	**0.142**	**0.00493 J**	0.00423 U
Phenanthrene	mg/kg	n/v	n/v	**0.01**	**0.0881 J**	**0.00359 J**	**0.0161**	**0.0293**	0.00249 U	**0.15**	**0.0159**	**0.0086**
Pyrene	mg/kg	n/v	2,400	**0.033**	**0.211 J**	**0.0514**	**0.0957 J**	**0.225 J**	**0.00245 J**	**0.0495**	**0.0399**	**0.0262**
Toxicity Equivalency Concentration (TEQ)	**TEF**											
Benzo(a)anthracene	0.1			**0.00209**	**0.00982**	**0.000571**	**0.00528**	**0.0129**	0	**0.00382**	**0.00235**	**0.00168**
Benzo(a)pyrene	1			**0.0198**	**0.114**	**0.00639**	**0.0628**	**0.129**	0	**0.0289**	**0.0251**	**0.0198**
Benzo(b)fluoranthene	0.1			**0.00312**	**0.0129**	**0.000874**	**0.0061**	**0.0127**	**0.000215**	**0.0104**	**0.00353**	**0.0028**
Benzo(k)fluoranthene	0.1			**0.00123**	**0.00559**	**0.000305**	**0.00216**	**0.00447**	0	**0.00299**	**0.00104**	**0.000953**
Chrysene	0.01			**0.000266**	**0.00109**	**0.000339**	**0.000411**	**0.00126**	0	**0.000744**	**0.000221**	**0.000163**
Dibenzo(a,h)anthracene	0.1			**0.000349**	**0.00161**	0	**0.000943**	**0.00166**	0	**0.00106**	0.00083	**0.000374**
Indeno(1,2,3-cd)pyrene	0.1			**0.00158**	**0.0084**	**0.000549**	**0.00481**	**0.00785**	0	**0.0052**	**0.00203**	**0.00187**
Sum of cPAHs	mg/kg	0.1	24	**0.0284**	**0.153**	**0.00903**	**0.0825**	**0.170**	**0.000215**	**0.0531**	**0.0351**	**0.0276**

Notes:

MTCA CULs	Washington Department of Ecology Model Toxics Control Act Cleanup
A	Method A Unrestricted Land Use - Soil (February 2021)
B	Method B Non cancer - Soil (February 2021)
6.5	Concentration exceeds the indicated standard A.
15.2	Measured concentration did not exceed the indicated standard.
--	sample not analyzed
Blank cell	no screening level applies
cPAH	Carcinogenic PAH
CUL	Cleanup Level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
n/v	No standard/guideline value.
SIM	selective ion monitoring
TCLP	Toxicity Characteristic Leaching Procedure
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Concentration
	TEQ = cPAH concentration x TEF

Data Qualifier Codes:

J	The reported result is an estimated value.
U	The analyte was not detected above the method detection limit.
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Table 1
Summary of Soil Analytical Results
Supplemental Phase II Environmental Site Assessment
960 East 3rd Avenue
Spokane, Washington

Sample Location Sample ID Sample Date Sample Depth (ft bgs) Sample Type	Units	MTCA CULs Method A A	 Method B Non-Cancer B	DB-TP27SO-1.0-1.5 08/30/2021	DB-TP28SO-0.0-1.0 08/30/2021	DB-FD03 08/30/2021	DB-TP28SO-2.5-3.0 08/30/2021	DB-TP29SO-0.0-1.0 08/30/2021	DB-FD02 08/30/2021	DB-TP30SO-0.0-1.0 08/30/2021	DB-TP31SO-0.0-1.0 08/30/2021
Metals (6020B)											
Cadmium	mg/kg	2	80	**0.958 J**	**0.321 J**	**0.108 J**	0.0906 U	**0.105 J**	**2.09**	**1.53**	**0.212 J**
Lead	mg/kg	250	n/v	**342**	**102**	**7.69**	**9.11**	**13.5**	**144**	**123**	**38.7**
TCLP Metals (6010D)											
Lead	mg/L	n/v	n/v	0.0330 U	0.0330 U	--	--	--	0.0330 U	--	--
Polycyclic Aromatic Hydrocarbons (8270E-SIM)											
Acenaphthene	mg/kg	n/v	4,800	**0.0102**	0.00220 U	0.00223 U	0.00221 U	0.00213 U	**0.00668**	0.00222 UJ	0.00213 U
Acenaphthylene	mg/kg	n/v	n/v	**0.0199**	0.00227 U	0.00230 U	0.00229 U	0.00220 U	0.00232 U	0.00229 UJ	0.00220 U
Anthracene	mg/kg	n/v	24,000	**0.0401**	**0.00546 J**	0.00245 U	0.00244 U	0.00234 U	**0.015**	0.00244 UJ	0.00234 U
Benzo(a)anthracene	mg/kg	n/v	n/v	**0.243**	**0.0288**	0.00184 U	0.00183 U	**0.00195 J+**	**0.0678**	**0.0218 J**	**0.00663**
Benzo(a)pyrene	mg/kg	0.1	24	**0.254**	**0.0336**	0.00191 U	0.00190 U	**0.00192 J+**	**0.0614**	**0.0238 J**	**0.0125**
Benzo(b)fluoranthene	mg/kg	n/v	n/v	**0.303**	**0.0447**	0.00163 U	0.00162 U	**0.00335 J+**	**0.0858**	**0.0284 J**	**0.0153**
Benzo(g,h,i)perylene	mg/kg	n/v	n/v	**0.159**	**0.0271**	0.00188 U	0.00188 U	**0.00204 J+**	**0.0447**	**0.021 J**	**0.0144**
Benzo(k)fluoranthene	mg/kg	n/v	n/v	**0.0979**	**0.0141**	0.00229 U	0.00228 U	0.00219 U	**0.0252**	**0.0104 J**	**0.00557 J**
Chloronaphthalene, 2-	mg/kg	n/v	6,400	0.00483 U	0.00490 U	0.00496 U	0.00494 U	0.00474 U	0.00500 U	0.00495 UJ	0.00474 U
Chrysene	mg/kg	n/v	n/v	**0.284**	**0.0374**	0.00247 U	0.00246 U	0.00236 U	**0.058**	**0.0276 J**	**0.00657**
Dibenzo(a,h)anthracene	mg/kg	n/v	n/v	**0.0342**	**0.00502 J**	0.00183 U	0.00182 U	0.00175 U	**0.0103**	**0.00375 J**	**0.00239 J**
Fluoranthene	mg/kg	n/v	3,200	**0.442**	**0.0525**	0.00242 U	0.00241 U	**0.00326 J+**	**0.112**	**0.0281 J**	**0.00701**
Fluorene	mg/kg	n/v	3,200	**0.00707**	0.00216 U	0.00218 U	0.00217 U	0.00208 U	**0.00504 J**	0.00218 UJ	0.00208 U
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	n/v	**0.164**	**0.0272**	0.00193 U	0.00192 U	**0.00196 J+**	**0.0457**	**0.0198 J**	**0.0132**
Methylnaphthalene, 1-	mg/kg	n/v	5,600	**0.00804 J**	**0.00506 J**	0.00478 U	0.00476 U	0.00457 U	**0.00631 J**	0.00477 UJ	0.00457 U
Methylnaphthalene, 2-	mg/kg	n/v	320	**0.0102 J**	**0.00682 J**	0.00455 U	0.00452 U	0.00434 U	**0.00778 J**	0.00453 UJ	0.00434 U
Naphthalene	mg/kg	5	1,600	**0.0126 J**	**0.00521 J**	0.00434 U	0.00432 U	0.00415 U	**0.00645 J**	0.00433 UJ	0.00415 U
Phenanthrene	mg/kg	n/v	n/v	**0.198**	**0.0273**	0.00246 U	0.00245 U	0.00235 U	**0.0873**	**0.0102 J**	**0.00384 J**
Pyrene	mg/kg	n/v	2,400	**0.465**	**0.0611**	0.00213 U	0.00212 U	**0.00403 J+**	**0.12**	**0.0432 J**	**0.00881**
Toxicity Equivalency Concentration (TEQ)	**TEF**										
Benzo(a)anthracene	0.1			**0.0243**	**0.00288**	0	0	**0.000195**	**0.00678**	**0.00218**	**0.000663**
Benzo(a)pyrene	1			**0.254**	**0.0336**	0	0	**0.00192**	**0.0614**	**0.0238**	**0.0125**
Benzo(b)fluoranthene	0.1			**0.0303**	**0.00447**	0	0	**0.000335**	**0.00858**	**0.00284**	**0.00153**
Benzo(k)fluoranthene	0.1			**0.00979**	**0.00141**	0	0	0	**0.00252**	**0.00104**	**0.000557**
Chrysene	0.01			**0.00284**	**0.000374**	0	0	0	**0.00058**	**0.000276**	**0.0000657**
Dibenzo(a,h)anthracene	0.1			**0.00342**	**0.000502**	0	0	0	**0.00103**	**0.000375**	**0.000239**
Indeno(1,2,3-cd)pyrene	0.1			**0.0164**	**0.00272**	0	0	**0.000196**	**0.00457**	**0.00198**	**0.00132**
Sum of cPAHs	mg/kg	0.1	24	**0.341**	**0.0460**	0	0	**0.00265**	**0.0855**	**0.0325**	**0.0169**

Notes:

MTCA CULs	Washington Department of Ecology Model Toxics Control Act Cleanup
A	Method A Unrestricted Land Use - Soil (February 2021)
B	Method B Non cancer - Soil (February 2021)
6.5	Concentration exceeds the indicated standard A.
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Blank cell	no screening level applies
cPAH	Carcinogenic PAH
CUL	Cleanup Level
mg/kg	milligrams per kilogram
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TEF	Toxicity Equivalence Factor
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	TEQ = cPAH concentration x TEF

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960 East 3rd Avenue
Spokane, Washington

Sample Location Sample ID Sample Date Sample Depth (ft bgs) Sample Type	Units	MTCA CULs Method A A	MTCA CULs Method B Non-Cancer B	DB-TP32SO-0.0-1.0 08/30/2021	DB-TP32SO-2.0-3.0 08/30/2021
Metals (6020B)					
Cadmium	mg/kg	2	80	**0.528 J**	**0.353 J**
Lead	mg/kg	250	n/v	**56.8**	**46.1**
TCLP Metals (6010D)					
Lead	mg/L	n/v	n/v	--	--
Polycyclic Aromatic Hydrocarbons (8270E-SIM)					
Acenaphthene	mg/kg	n/v	4,800	0.00236 U	0.00233 U
Acenaphthylene	mg/kg	n/v	n/v	0.00244 U	**0.00333 J**
Anthracene	mg/kg	n/v	24,000	0.00259 U	**0.003 J**
Benzo(a)anthracene	mg/kg	n/v	n/v	**0.0126**	**0.0172**
Benzo(a)pyrene	mg/kg	0.1	24	**0.015**	**0.0226**
Benzo(b)fluoranthene	mg/kg	n/v	n/v	**0.0202**	**0.0272**
Benzo(g,h,i)perylene	mg/kg	n/v	n/v	**0.0164**	**0.0233**
Benzo(k)fluoranthene	mg/kg	n/v	n/v	**0.00742**	**0.00965**
Chloronaphthalene, 2-	mg/kg	n/v	6,400	0.00526 U	0.00519 U
Chrysene	mg/kg	n/v	n/v	**0.0168**	**0.0158**
Dibenzo(a,h)anthracene	mg/kg	n/v	n/v	**0.00272 J**	**0.00398 J**
Fluoranthene	mg/kg	n/v	3,200	**0.0217**	**0.0251**
Fluorene	mg/kg	n/v	3,200	0.00231 U	0.00228 U
Indeno(1,2,3-cd)pyrene	mg/kg	n/v	n/v	**0.014**	**0.0206**
Methylnaphthalene, 1-	mg/kg	n/v	5,600	**0.00564 J**	0.00500 U
Methylnaphthalene, 2-	mg/kg	n/v	320	**0.00816 J**	**0.00646 J**
Naphthalene	mg/kg	5	1,600	**0.00697 J**	**0.00554 J**
Phenanthrene	mg/kg	n/v	n/v	**0.0129**	**0.0147**
Pyrene	mg/kg	n/v	2,400	**0.0256**	**0.0304**
Toxicity Equivalency Concentration (TEQ)	**TEF**				
Benzo(a)anthracene	0.1			**0.00126**	**0.00172**
Benzo(a)pyrene	1			**0.015**	**0.0226**
Benzo(b)fluoranthene	0.1			**0.00202**	**0.00272**
Benzo(k)fluoranthene	0.1			**0.000742**	**0.000965**
Chrysene	0.01			**0.000168**	**0.000158**
Dibenzo(a,h)anthracene	0.1			**0.000272**	**0.000398**
Indeno(1,2,3-cd)pyrene	0.1			**0.0014**	**0.00206**
Sum of cPAHs	mg/kg	0.1	24	**0.0209**	**0.0306**

Notes:

MTCA CULs	Washington Department of Ecology Model Toxics Control Act Cleanup
A	Method A Unrestricted Land Use - Soil (February 2021)
B	Method B Non cancer - Soil (February 2021)
6.5	Concentration exceeds the indicated standard A.
15.2	Measured concentration did not exceed the indicated standard.
--	sample not analyzed
Blank cell	no screening level applies
cPAH	Carcinogenic PAH
CUL	Cleanup Level
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
n/v	No standard/guideline value.
SIM	selective ion monitoring
TCLP	Toxicity Characteristic Leaching Procedure
TEF	Toxicity Equivalence Factor
TEQ	Toxicity Equivalence Concentration
	TEQ = cPAH concentration x TEF

Data Qualifier Codes:

J	The reported result is an estimated value.
U	The analyte was not detected above the method detection limit.
UJ	The analyte was not detected above the method detection limit, the re

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Table 2
Summary of Investigation Derived Waste Analytical Results
Supplemental Phase II Environmental Site Assessment
960 East 3rd Avenue
Spokane, Washington

Sample Location Sample Date Sample ID Sample Type	Units	EPA TCLP Trigger Value	EPA TCLP Limit	OB-IDWS 08/30/2021 OB-IDWSO-01 Primary
Metals (6010D, 7471B)				
Arsenic	mg/kg	100	n/a	**5.47**
Barium	mg/kg	2,000	n/a	**113**
Cadmium	mg/kg	20	n/a	**0.222 J**
Chromium	mg/kg	100	n/a	**18.6**
Copper	mg/kg	n/v	n/a	**21.8**
Lead	mg/kg	100	n/a	**60.0**
Mercury	mg/kg	4	n/a	**0.0646**
Selenium	mg/kg	20	n/a	0.778 U
Silver	mg/kg	100	n/a	0.129 U
Zinc	mg/kg	n/v	n/a	**92.6**
TCLP Metals (6010D, 7470A)				
Arsenic	mg/L	n/a	5	0.0330 U
Barium	mg/L	n/a	100	**0.536**
Cadmium	mg/L	n/a	1	0.0330 U
Chromium	mg/L	n/a	5	0.0330 U
Lead	mg/L	n/a	5	0.0330 U
Mercury	mg/L	n/a	0.2	0.0100 U
Selenium	mg/L	n/a	1	0.0330 U
Silver	mg/L	n/a	5	0.0330 U

Notes:

15.2	Measured concentration did not exceed the indicated standard.
EPA	United States Environmental Protection Agency
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
n/a	Not applicable
n/v	No standard/guideline value.
TCLP	Toxicity Characteristic Leaching Procedure

Laboratory Qualifiers:

J	The reported result is an estimated value.
U	The analyte was not detected above the reported value

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APPENDIX A

Boring Logs

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-01** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542699** EASTING (ft): **17315780**
LAT: **47° 39' 12.42"** LONG: **-117° 23' 47.86"**
GROUND ELEV (ft): **1,958** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **3.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **2.0**
LOGGED BY: **N. Bellus** CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1350			Asphalt		1350 DB-SB01SO 0-0.5			0	
			Asphalt base material (gravel fill)						
1		SP-SM	**SILTY SAND WITH GRAVEL** ; SP-SM; gray; fine to coarse-grained; loose; dry; no odor; no staining			1.5			
2						0.6			
3			Basalt bedrock Refusal at 3 feet. Borehole terminated at 3 feet.						
4									
5									
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-02** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542710** EASTING (ft): **17315682**
LAT: **47° 39' 11.46"** LONG: **-117° 23' 47.69"**
GROUND ELEV (ft): **1,962** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **6.5**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **2.0**
LOGGED BY: **N. Bellus** CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1219			Asphalt		1219 DB-SB02SO 0-0.5			0	
			Asphalt base material (gravel fill)						
		SM	**SILTY SAND SOME GRAVEL** ; SM; gray; fine to medium-grained; loose; dry; no odor; no staining			0.2			
1									
2									
		GP-GM	**SILTY GRAVEL** ; GP-GM; light brown; fine to coarse-grained; loose; dry; no odor; no staining			0.2			
3									
4								0	
1249 5					1249 DB-SB02SO 4.5-5.0	1.5			5
6						0.25			
			Basalt bedrock Refusal at 6.5 feet. Borehole terminated at 6.5 feet.						
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-03** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542706** EASTING (ft): **17315592**
LAT: **47° 39' 10.56"** LONG: **-117° 23' 47.75"**
GROUND ELEV (ft): **1,964** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **6.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **2.0**
LOGGED BY: **N. Bellus** CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1030			Asphalt						
			Asphalt base material (gravel fill)						
		SM	**SILTY SAND SOME GRAVEL** ; SM; gray; fine to medium-grained; loose; dry; no odor; no staining		1030 DB-SB03SO 0.5-1.0	0.3		0	
1042					1042 DB-SB03SO 1.5-2.0			0	
		GP-GM	**SILTY GRAVEL** ; GP-GM; gray; fine to coarse-grained; loose; dry; no odor; no staining			0.3			
						0.2			5
			Basalt bedrock Refusal at 6 feet. Borehole terminated at 6 feet.						

1 2 3 4 5 6 7

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-04** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542706** EASTING (ft): **17315501**
LAT: **47° 39' 9.67"** LONG: **-117° 23' 47.74"**
GROUND ELEV (ft): **1,967** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **4.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **2.0**
LOGGED BY: **N. Bellus** CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
			Asphalt						
			Asphalt base material (gravel fill)						
1127		SM	**SILTY SAND AND GRAVEL** ; SM; light brown; fine to medium-grained; loose; dry; no odor; no staining		1127 DB-SB04SO 0.5-1.0	0.25		0	
1									
2									
		GP-GM	**SILTY GRAVEL** ; GP-GM; gray; fine to coarse-grained; loose; dry; no odor; no staining			0.2			
3									
4			Basalt bedrock Refusal at 4 feet. Borehole terminated at 4 feet.						
5									
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-05** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542740**
LAT: **47° 39' 11"**
GROUND ELEV (ft): **1,964**
INITIAL DTW (ft): **Not Encountered**
STATIC DTW (ft): **Not Encountered**
WELL CASING DIA. (in): **--**
LOGGED BY: **N. Bellus**

EASTING (ft): **17315636**
LONG: **-117° 23' 47.25"**
TOC ELEV (ft): **--**
WELL DEPTH (ft): **---**
BOREHOLE DEPTH (ft): **2.5**
BOREHOLE DIA. (in): **2.0**
CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1601			Asphalt					0	
			Asphalt base material (gravel fill)		1601 DB-SB05SO 0-1.0				
		SM	**SILTY SAND AND GRAVEL** ; SM; light gray; fine to coarse-grained; loose; dry; no odor; no staining			0.2			
1									
						0.5			
2									
			Basalt bedrock Refusal at 2.5 feet. Borehole terminated at 2.5 feet.						
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **SB-06** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Schramm T-300**
DRILLING METHOD: **Air Rotary**
SAMPLING EQUIPMENT: **Split Spoon Sampler**

NORTHING (ft): **1542793** EASTING (ft): **17315638**
LAT: **47° 39' 11.03"** LONG: **-117° 23' 46.48"**
GROUND ELEV (ft): **1,965** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **8.5**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **2.0**
LOGGED BY: **N. Bellus** CHECKED BY: **A. Wisher**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1447			Asphalt		1447 DB-SB06SO 0-0.5			0	
			Asphalt base material (gravel fill)						
		MLS	**SANDY SILT** ; MLS; gray; fine to medium-grained; loose; dry; no odor; no staining			0.3			
1									
2		SP-SM	**SAND SOME GRAVEL** ; SP-SM; dark brown; fine to coarse-grained; loose; slightly moist; no odor; no staining		1452 DB-SB06SO 2.0-2.5			0	
1452									
3						0.8			
4		GP-GM	**SANDY GRAVEL** ; GP-GM; light gray; fine to coarse-grained; loose; dry; no odor; no staining						
5						0.3			5
6									
7						0.2			
8									
			Basalt bedrock Refusal at 8.5 feet. Borehole terminated at 8.5 feet.			0.5			
9									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-22** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542870**
LAT: **47° 39' 9.51"**
GROUND ELEV (ft): **1,969**
INITIAL DTW (ft): **Not Encountered**
STATIC DTW (ft): **Not Encountered**
WELL CASING DIA. (in): **--**
LOGGED BY: **A. Wisher**

EASTING (ft): **17315484**
LONG: **-117° 23' 45.34"**
TOC ELEV (ft): **--**
WELL DEPTH (ft): **---**
BOREHOLE DEPTH (ft): **1.5**
BOREHOLE DIA. (in): **--**
CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1104 1		GM	**SILTY GRAVEL** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some construction debris (fill)		1104 DB-TP22SO 1.0-1.5	1.5		0	
			Basalt bedrock Refusal at 1.5 feet. Borehole terminated at 1.5 feet.						
2									
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-23** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542996**
EASTING (ft): **17315517**
LAT: **47° 39' 9.84"**
LONG: **-117° 23' 43.51"**
GROUND ELEV (ft): **1,963**
TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered**
WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered**
BOREHOLE DEPTH (ft): **1.0**
WELL CASING DIA. (in): **--**
BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher**
CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1138		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal debris (fill)		1138 DB-TP23SO 0-1.0	1.0		0	
1			Basalt bedrock Refusal at 1 feet. Borehole terminated at 1 feet.						
2									
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-24** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542780** EASTING (ft): **17315532**
LAT: **47° 39' 9.98"** LONG: **-117° 23' 46.66"**
GROUND ELEV (ft): **1,967** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **3.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1024		GM	**SILTY GRAVEL** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal debris (fill)		1024 DB-TP24SO 0-1.0			0	
1						3.0			
2									
1025					1017 DB-TP24SO 2.5-3.0, DB-FD01SO			0	
3			Basalt bedrock Refusal at 3 feet. Borehole terminated at 3 feet.						
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-25** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542843** EASTING (ft): **17315568**
LAT: **47° 39' 10.34"** LONG: **-117° 23' 45.74"**
GROUND ELEV (ft): **1,967** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **5.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1052		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and wood debris (fill)		1052 DB-TP25SO 0-1.0			0	
1									
2						5			
3									
4									
1055					1045 DB-TP25SO 4.5-5.0			0	
5			Basalt bedrock Refusal at 5 feet. Borehole terminated at 5 feet.						5
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-26** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542913** EASTING (ft): **17315602**
LAT: **47° 39' 10.68"** LONG: **-117° 23' 44.73"**
GROUND ELEV (ft): **1,965** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **2.5**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1154		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and wood debris (fill)		1154 DB-TP26SO 0-1.0			0	
1						2.5			
1155 2					1137 DB-TP26SO 2.0-2.5			0	
			Basalt bedrock Refusal at 2.5 feet. Borehole terminated at 2.5 feet.						
3									
4									
5									
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-27** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542958**
LAT: **47° 39' 10.42"**
GROUND ELEV (ft): **1,970**
INITIAL DTW (ft): **Not Encountered**
STATIC DTW (ft): **Not Encountered**
WELL CASING DIA. (in): **--**
LOGGED BY: **A. Wisher**

EASTING (ft): **17315575**
LONG: **-117° 23' 44.06"**
TOC ELEV (ft): **--**
WELL DEPTH (ft): **---**
BOREHOLE DEPTH (ft): **1.5**
BOREHOLE DIA. (in): **--**
CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1126 1		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal debris (fill)		1126 DB-TP27SO 1.0-1.5	1.5		0	
			Basalt bedrock Refusal at 1.5 feet. Borehole terminated at 1.5 feet.						
2									
3									
4									
5									
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-28** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542792** EASTING (ft): **17315775**
LAT: **47° 39' 12.38"** LONG: **-117° 23' 46.5"**
GROUND ELEV (ft): **1,965** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **3.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1218		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and wood debris (fill)		1218 DB-TP28SO 0-1.0, DB-FD03SO			0	
1						3			
2									
1227					1227 DB-TP28SO 2.5-3.0			0	
3			Basalt bedrock Refusal at 3 feet. Borehole terminated at 3 feet.						
4									
5									
6									
7									

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-29** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542834** EASTING (ft): **17315733**
LAT: **47° 39' 11.97"** LONG: **-117° 23' 45.89"**
GROUND ELEV (ft): **1,965** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **1.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1118		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and brick debris (fill)		1118 DB-TP29SO 0-1.0	1		0	
1			Basalt bedrock Refusal at 1 feet. Borehole terminated at 1 feet.						
2									
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-30** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542888**
LAT: **47° 39' 9.99"**
GROUND ELEV (ft): **1,970**
INITIAL DTW (ft): **Not Encountered**
STATIC DTW (ft): **Not Encountered**
WELL CASING DIA. (in): **--**
LOGGED BY: **A. Wisher**

EASTING (ft): **17315532**
LONG: **-117° 23' 45.08"**
TOC ELEV (ft): **--**
WELL DEPTH (ft): **---**
BOREHOLE DEPTH (ft): **1.0**
BOREHOLE DIA. (in): **--**
CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1232		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and brick debris (fill)		1232 DB-TP30SO 0-1.0, DB-FD02SO	1		0	
1			Basalt bedrock Refusal at 1 feet. Borehole terminated at 1 feet.						
2									
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-31** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542871** EASTING (ft): **17315685**
LAT: **47° 39' 11.5"** LONG: **-117° 23' 45.35"**
GROUND ELEV (ft): **1,965** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **1.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
1209		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some metal and wood debris (fill)		1209 DB-TP31SO 0-1.0	1		0	
1			Basalt bedrock Refusal at 1 feet. Borehole terminated at 1 feet.						
2									
3									
4									
5									
6									
7									

PROJECT: **Spokane Housing**
LOCATION: **960 East 3rd Street, Spokane WA**
PROJECT NUMBER: **185705581**

WELL / PROBEHOLE / BOREHOLE NO: **TP-32** PAGE 1 OF 1

Stantec

DRILLING / INSTALLATION:
STARTED **8/30/21** COMPLETED: **8/30/21**
DRILLING COMPANY: **Environmental West Drilling**
DRILLING EQUIPMENT: **Backhoe**
DRILLING METHOD: **Test Pit**
SAMPLING EQUIPMENT: **Zip-Top Bag**

NORTHING (ft): **1542728** EASTING (ft): **17315535**
LAT: **47° 39' 10.01"** LONG: **-117° 23' 47.43"**
GROUND ELEV (ft): **1,966** TOC ELEV (ft): **--**
INITIAL DTW (ft): **Not Encountered** WELL DEPTH (ft): **---**
STATIC DTW (ft): **Not Encountered** BOREHOLE DEPTH (ft): **3.0**
WELL CASING DIA. (in): **--** BOREHOLE DIA. (in): **--**
LOGGED BY: **A. Wisher** CHECKED BY: **N. Bellus**

Time & Depth (feet)	Graphic Log	USCS	Description	Sample	Time Sample ID	Measured Recov. (feet)	Blow Count	Headspace PID (units)	Depth (feet)
0943		GM	**SILTY GRAVEL AND ROCK FRAGMENTS** ; GM; light brown to brown; fine to coarse-grained; loose; dry; no odor; no staining; some wood debris (fill)		0943 DB-TP32SO 0-1.0	3		0	
0945					0943 DB-TP32SO 2.0-3.0			0	
			Basalt bedrock Refusal at 3 feet. Borehole terminated at 3 feet.						

GEO FORM 304 LOG_960_E_3RD_ST_SPH2ESA_GINT_20210910.GPJ STANTEC ENVIRO TEMPLATE 010509.GDT 9/10/21

APPENDIX B

Laboratory Reports

ANALYTICAL REPORT

September 14, 2021

Stantec - Lynnwood, WA

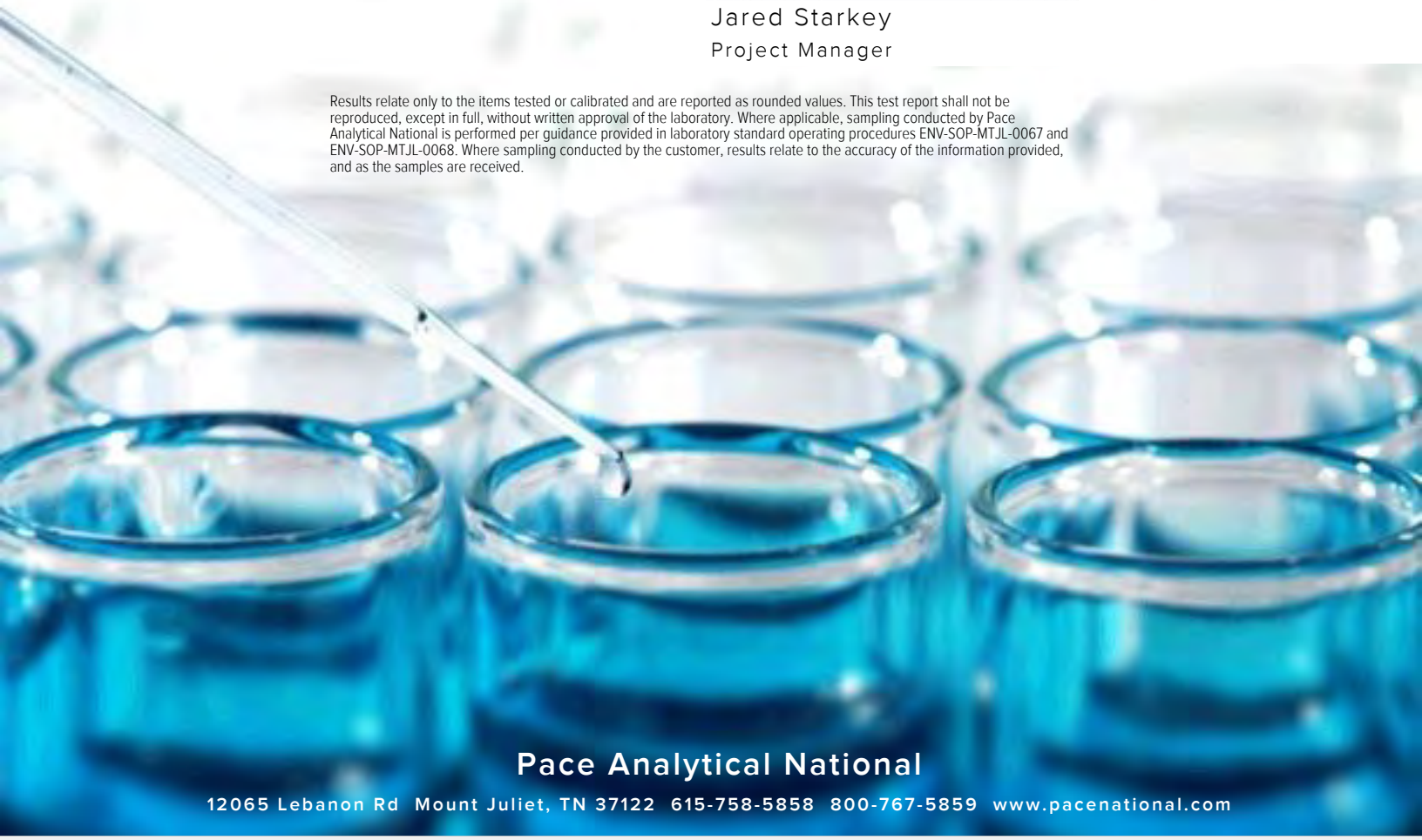
Sample Delivery Group:	L1397919
Samples Received:	09/01/2021
Project Number:	185705581
Description:	Daybreak Youth Services Property

Report To:

Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Entire Report Reviewed By:

Jared Starkey
Project Manager



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DB-SB02SO-0.0-0.5 L1397919-02 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:19 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736115	1	09/08/21 11:09	09/08/21 11:15	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 20:49	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	10	09/09/21 08:54	09/09/21 20:47	AAT	Mt. Juliet, TN

DB-SB02SO-0.0-0.5 L1397919-03 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:19 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:19	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736590	1	09/08/21 12:03	09/08/21 15:38	CCE	Mt. Juliet, TN

DB-SB02SO-4.5-5.0 L1397919-04 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:49 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736115	1	09/08/21 11:09	09/08/21 11:15	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 20:52	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	1	09/09/21 08:54	09/10/21 08:27	AAT	Mt. Juliet, TN

DB-SB02SO-4.5-5.0 L1397919-05 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:49 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:21	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736590	1	09/08/21 12:03	09/08/21 15:41	CCE	Mt. Juliet, TN

DB-SB03SO-0.5-1.0 L1397919-06 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:30 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 20:55	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	10	09/09/21 08:54	09/09/21 21:07	AAT	Mt. Juliet, TN

DB-SB03SO-0.5-1.0 L1397919-07 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:30 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:23	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736590	1	09/08/21 12:03	09/08/21 15:44	CCE	Mt. Juliet, TN

DB-SB03SO-1.5-2.0 L1397919-08 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:42 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:06	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	1	09/09/21 08:54	09/10/21 08:47	AAT	Mt. Juliet, TN

DB-SB03SO-1.5-2.0 L1397919-09 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:42 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:25	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736590	1	09/08/21 12:03	09/08/21 15:46	CCE	Mt. Juliet, TN

DB-SB04SO-0.5-1.0 L1397919-10 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:27 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:09	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	5	09/09/21 08:54	09/09/21 20:07	AAT	Mt. Juliet, TN

DB-SB04SO-0.5-1.0 L1397919-11 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 11:27 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:27	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:27	KMG	Mt. Juliet, TN

DB-SB05SO-0.0-1.0 L1397919-12 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 16:01 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:12	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1735766	5	09/09/21 08:54	09/09/21 20:27	AAT	Mt. Juliet, TN

DB-SB05SO-0.0-1.0 L1397919-13 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 16:01 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:33	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:30	KMG	Mt. Juliet, TN

DB-SB06SO-0.0-0.5 L1397919-14 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 14:47 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:16	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 18:15	LEA	Mt. Juliet, TN

DB-SB06SO-0.0-0.5 L1397919-15 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 14:47 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736185	1	09/07/21 14:39	09/07/21 14:39	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736738	1	09/08/21 11:08	09/09/21 09:35	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:33	KMG	Mt. Juliet, TN

DB-SB06SO-2.0-2.5 L1397919-16 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 14:52 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:19	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 18:33	LEA	Mt. Juliet, TN

DB-SB06SO-2.0-2.5 L1397919-17 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 14:52 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:16	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:36	KMG	Mt. Juliet, TN

DB-TP22SO-1.0-1.5 L1397919-18 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:04 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:22	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/07/21 23:53	AAT	Mt. Juliet, TN

DB-TP22SO-1.0-1.5 L1397919-19 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 11:04 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:22	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:45	KMG	Mt. Juliet, TN

DB-TP24SO-0.0-1.0 L1397919-21 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:24 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:26	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 00:11	AAT	Mt. Juliet, TN

DB-TP24SO-0.0-1.0 L1397919-22 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:24 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:24	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:48	KMG	Mt. Juliet, TN

DB-TP24SO-2.5-3.0 L1397919-23 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:17 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:29	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 17:58	LEA	Mt. Juliet, TN

DB-TP24SO-2.5-3.0 L1397919-24 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:17 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:26	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:51	KMG	Mt. Juliet, TN

DB-TP25SO-0.0-1.0 L1397919-25 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:52 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736118	1	09/08/21 08:45	09/08/21 08:50	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:32	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 00:28	AAT	Mt. Juliet, TN

DB-TP25SO-0.0-1.0 L1397919-26 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:52 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:28	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:54	KMG	Mt. Juliet, TN

DB-TP25SO-4.5-5.0 L1397919-27 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 10:45 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 21:36	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 00:45	AAT	Mt. Juliet, TN

DB-TP25SO-4.5-5.0 L1397919-28 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 10:45 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:30	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:57	KMG	Mt. Juliet, TN

DB-TP26SO-0.0-1.0 L1397919-29 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:54 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:01	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 19:07	LEA	Mt. Juliet, TN

DB-TP26SO-0.0-1.0 L1397919-30 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 11:54 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:32	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:00	KMG	Mt. Juliet, TN

DB-TP26SO-2.0-2.5 L1397919-31 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:37 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:04	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 17:40	LEA	Mt. Juliet, TN

DB-TP26SO-2.0-2.5 L1397919-32 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 11:37 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:34	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:03	KMG	Mt. Juliet, TN

DB-TP27SO-1.0-1.5 L1397919-33 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:26 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:08	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 18:50	LEA	Mt. Juliet, TN

DB-TP27SO-1.0-1.5 L1397919-34 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 11:26 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:36	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:07	KMG	Mt. Juliet, TN

DB-TP28SO-0.0-1.0 L1397919-35 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:18 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:11	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 15:04	LEA	Mt. Juliet, TN

DB-TP28SO-0.0-1.0 L1397919-36 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:18 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:38	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:10	KMG	Mt. Juliet, TN

DB-TP28SO-2.5-3.0 L1397919-37 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:27 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:14	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 15:21	LEA	Mt. Juliet, TN

DB-TP28SO-2.5-3.0 L1397919-38 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:27 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:40	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:13	KMG	Mt. Juliet, TN

DB-TP29SO-0.0-1.0 L1397919-39 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:32 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 20:32	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/07/21 23:01	AAT	Mt. Juliet, TN

DB-TP29SO-0.0-1.0 L1397919-40 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:32 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:10	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 16:15	KMG	Mt. Juliet, TN

DB-TP31SO-0.0-1.0 L1397919-42 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:09 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734430	5	09/04/21 07:31	09/05/21 22:18	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 15:39	LEA	Mt. Juliet, TN

DB-TP31SO-0.0-1.0 L1397919-43 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:09 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:46	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:22	KMG	Mt. Juliet, TN

DB-TP32SO-0.0-1.0 L1397919-44 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 09:43 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734434	5	09/03/21 09:55	09/05/21 20:23	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 16:48	LEA	Mt. Juliet, TN

DB-TP32SO-0.0-1.0 L1397919-45 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 09:43 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:48	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:25	KMG	Mt. Juliet, TN

DB-TP32SO-2.0-3.0 L1397919-46 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 09:43 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736119	1	09/08/21 08:37	09/08/21 08:42	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734434	5	09/03/21 09:55	09/05/21 20:26	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 17:05	LEA	Mt. Juliet, TN

DB-TP32SO-2.0-3.0 L1397919-47 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 09:43 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:50	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:28	KMG	Mt. Juliet, TN

DB-FD01 L1397919-48 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:00 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736121	1	09/08/21 08:25	09/08/21 08:31	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734434	5	09/03/21 09:55	09/05/21 20:29	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 17:23	LEA	Mt. Juliet, TN

DB-FD01 L1397919-49 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:00 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:52	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:31	KMG	Mt. Juliet, TN

DB-FD02 L1397919-50 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:00 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736121	1	09/08/21 08:25	09/08/21 08:31	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734434	5	09/03/21 09:55	09/05/21 20:33	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 16:31	LEA	Mt. Juliet, TN

DB-FD02 L1397919-51 Waste

Collected by: NB/AW | Collected date/time: 08/30/21 12:00 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:53	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736793	1	09/08/21 12:52	09/08/21 17:34	KMG	Mt. Juliet, TN

SAMPLE SUMMARY

DB-FD03 L1397919-52 Solid

Collected by: NB/AW
Collected date/time: 08/30/21 12:00
Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736121	1	09/08/21 08:25	09/08/21 08:31	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1734434	5	09/03/21 09:55	09/05/21 20:36	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1736261	1	09/07/21 15:59	09/08/21 15:56	LEA	Mt. Juliet, TN

DB-FD03 L1397919-53 Waste

Collected by: NB/AW
Collected date/time: 08/30/21 12:00
Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736188	1	09/07/21 13:31	09/07/21 13:31	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736726	1	09/08/21 10:48	09/09/21 10:55	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736882	1	09/08/21 16:42	09/08/21 20:06	KMG	Mt. Juliet, TN

DB-EB01GW L1397919-54 GW

Collected by: NB/AW
Collected date/time: 08/30/21 16:00
Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Metals (ICPMS) by Method 6020B	WG1733701	1	09/05/21 14:04	09/05/21 23:43	RDS	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM	WG1734059	1	09/05/21 10:24	09/05/21 22:43	ADF	Mt. Juliet, TN

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Surrogate recovery limits have been exceeded; values are outside upper control limits.

Batch	Analyte	Lab Sample ID
WG1736261	p-Terphenyl-d14	(BLANK) R3701683-2, (LCS) R3701683-1, (MS) R3701683-3, (MSD) R3701683-4, L1397919-39

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1735766	(MSD) R3702546-4, L1397919-06	Benzo(g,h,i)perylene

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
DB-SB02SO-0.0-0.5	L1397919-03	Barium	0.537		0.100	100	1	09/08/2021 15:38	WG1736590
DB-SB02SO-4.5-5.0	L1397919-05	Barium	0.947		0.100	100	1	09/08/2021 15:41	WG1736590
DB-SB03SO-0.5-1.0	L1397919-07	Barium	0.518		0.100	100	1	09/08/2021 15:44	WG1736590
DB-SB03SO-1.5-2.0	L1397919-09	Barium	0.232		0.100	100	1	09/08/2021 15:46	WG1736590
DB-SB04SO-0.5-1.0	L1397919-11	Barium	0.462		0.100	100	1	09/08/2021 16:27	WG1736793
DB-SB05SO-0.0-1.0	L1397919-13	Barium	0.556		0.100	100	1	09/08/2021 16:30	WG1736793
DB-SB06SO-0.0-0.5	L1397919-15	Barium	0.653		0.100	100	1	09/08/2021 16:33	WG1736793
DB-SB06SO-2.0-2.5	L1397919-17	Barium	0.971		0.100	100	1	09/08/2021 16:36	WG1736793
DB-SB06SO-2.0-2.5	L1397919-17	Selenium	0.101		0.100	1	1	09/08/2021 16:36	WG1736793
DB-TP22SO-1.0-1.5	L1397919-19	Barium	0.335		0.100	100	1	09/08/2021 16:45	WG1736793
DB-TP24SO-0.0-1.0	L1397919-22	Barium	0.849		0.100	100	1	09/08/2021 16:48	WG1736793
DB-TP24SO-2.5-3.0	L1397919-24	Barium	1.06		0.100	100	1	09/08/2021 16:51	WG1736793
DB-TP25SO-0.0-1.0	L1397919-26	Barium	0.701		0.100	100	1	09/08/2021 16:54	WG1736793
DB-TP25SO-4.5-5.0	L1397919-28	Barium	1.20		0.100	100	1	09/08/2021 16:57	WG1736793
DB-TP25SO-4.5-5.0	L1397919-28	Lead	0.201		0.100	5	1	09/08/2021 16:57	WG1736793
DB-TP26SO-0.0-1.0	L1397919-30	Barium	0.813		0.100	100	1	09/08/2021 17:00	WG1736793
DB-TP26SO-0.0-1.0	L1397919-30	Lead	0.158		0.100	5	1	09/08/2021 17:00	WG1736793
DB-TP26SO-2.0-2.5	L1397919-32	Barium	0.663		0.100	100	1	09/08/2021 17:03	WG1736793
DB-TP27SO-1.0-1.5	L1397919-34	Barium	0.993		0.100	100	1	09/08/2021 17:07	WG1736793
DB-TP28SO-0.0-1.0	L1397919-36	Barium	0.792		0.100	100	1	09/08/2021 17:10	WG1736793
DB-TP28SO-2.5-3.0	L1397919-38	Barium	1.16		0.100	100	1	09/08/2021 17:13	WG1736793
DB-TP29SO-0.0-1.0	L1397919-40	Barium	0.417		0.100	100	1	09/08/2021 16:15	WG1736793
DB-TP31SO-0.0-1.0	L1397919-43	Barium	0.545		0.100	100	1	09/08/2021 17:22	WG1736793
DB-TP31SO-0.0-1.0	L1397919-43	Lead	0.162		0.100	5	1	09/08/2021 17:22	WG1736793
DB-TP32SO-0.0-1.0	L1397919-45	Barium	0.966		0.100	100	1	09/08/2021 17:25	WG1736793
DB-TP32SO-2.0-3.0	L1397919-47	Barium	0.950		0.100	100	1	09/08/2021 17:28	WG1736793
DB-FD01	L1397919-49	Barium	1.01		0.100	100	1	09/08/2021 17:31	WG1736793
DB-FD02	L1397919-51	Barium	1.00		0.100	100	1	09/08/2021 17:34	WG1736793
DB-FD03	L1397919-53	Barium	0.915		0.100	100	1	09/08/2021 20:06	WG1736882

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB02SO-0.0-0.5	L1397919-02	Cadmium	0.121	J	0.0868	1.02	5	09/05/2021 20:49	WG1734430
DB-SB02SO-0.0-0.5	L1397919-02	Lead	27.3		0.101	2.03	5	09/05/2021 20:49	WG1734430
DB-SB02SO-4.5-5.0	L1397919-04	Lead	10.7		0.104	2.09	5	09/05/2021 20:52	WG1734430
DB-SB03SO-0.5-1.0	L1397919-06	Cadmium	0.168	J	0.0872	1.02	5	09/05/2021 20:55	WG1734430
DB-SB03SO-0.5-1.0	L1397919-06	Lead	17.8		0.101	2.04	5	09/05/2021 20:55	WG1734430
DB-SB03SO-1.5-2.0	L1397919-08	Cadmium	0.155	J	0.0927	1.08	5	09/05/2021 21:06	WG1734430
DB-SB03SO-1.5-2.0	L1397919-08	Lead	45.6		0.107	2.17	5	09/05/2021 21:06	WG1734430
DB-SB04SO-0.5-1.0	L1397919-10	Cadmium	0.0964	J	0.0891	1.04	5	09/05/2021 21:09	WG1734430
DB-SB04SO-0.5-1.0	L1397919-10	Lead	21.1		0.103	2.08	5	09/05/2021 21:09	WG1734430
DB-SB05SO-0.0-1.0	L1397919-12	Lead	8.70		0.101	2.03	5	09/05/2021 21:12	WG1734430
DB-SB06SO-0.0-0.5	L1397919-14	Cadmium	0.220	J	0.0885	1.04	5	09/05/2021 21:16	WG1734430
DB-SB06SO-0.0-0.5	L1397919-14	Lead	42.0		0.103	2.07	5	09/05/2021 21:16	WG1734430
DB-SB06SO-2.0-2.5	L1397919-16	Cadmium	0.599	J	0.0940	1.10	5	09/05/2021 21:19	WG1734430
DB-SB06SO-2.0-2.5	L1397919-16	Lead	216		0.109	2.20	5	09/05/2021 21:19	WG1734430
DB-TP22SO-1.0-1.5	L1397919-18	Cadmium	0.355	J	0.0920	1.08	5	09/05/2021 21:22	WG1734430
DB-TP22SO-1.0-1.5	L1397919-18	Lead	150		0.107	2.15	5	09/05/2021 21:22	WG1734430
DB-TP24SO-0.0-1.0	L1397919-21	Cadmium	0.161	J	0.0908	1.06	5	09/05/2021 21:26	WG1734430
DB-TP24SO-0.0-1.0	L1397919-21	Lead	17.2		0.105	2.12	5	09/05/2021 21:26	WG1734430
DB-TP24SO-2.5-3.0	L1397919-23	Cadmium	0.205	J	0.100	1.17	5	09/05/2021 21:29	WG1734430
DB-TP24SO-2.5-3.0	L1397919-23	Lead	50.6		0.116	2.35	5	09/05/2021 21:29	WG1734430
DB-TP25SO-0.0-1.0	L1397919-25	Cadmium	0.414	J	0.0920	1.08	5	09/05/2021 21:32	WG1734430
DB-TP25SO-0.0-1.0	L1397919-25	Lead	55.4		0.107	2.15	5	09/05/2021 21:32	WG1734430

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-TP25SO-4.5-5.0	L1397919-27	Cadmium	0.547	J	0.0927	1.08	5	09/05/2021 21:36	WG1734430
DB-TP25SO-4.5-5.0	L1397919-27	Lead	269		0.107	2.17	5	09/05/2021 21:36	WG1734430
DB-TP26SO-0.0-1.0	L1397919-29	Cadmium	0.385	J	0.0879	1.03	5	09/05/2021 22:01	WG1734430
DB-TP26SO-0.0-1.0	L1397919-29	Lead	84.2		0.102	2.06	5	09/05/2021 22:01	WG1734430
DB-TP26SO-2.0-2.5	L1397919-31	Cadmium	0.331	J	0.0887	1.04	5	09/05/2021 22:04	WG1734430
DB-TP26SO-2.0-2.5	L1397919-31	Lead	171		0.103	2.07	5	09/05/2021 22:04	WG1734430
DB-TP27SO-1.0-1.5	L1397919-33	Cadmium	0.958	J	0.0887	1.04	5	09/05/2021 22:08	WG1734430
DB-TP27SO-1.0-1.5	L1397919-33	Lead	342		0.103	2.07	5	09/05/2021 22:08	WG1734430
DB-TP28SO-0.0-1.0	L1397919-35	Cadmium	0.321	J	0.0899	1.05	5	09/05/2021 22:11	WG1734430
DB-TP28SO-0.0-1.0	L1397919-35	Lead	102		0.104	2.10	5	09/05/2021 22:11	WG1734430
DB-TP28SO-2.5-3.0	L1397919-37	Lead	9.11		0.105	2.12	5	09/05/2021 22:14	WG1734430
DB-TP29SO-0.0-1.0	L1397919-39	Cadmium	0.105	J	0.0870	1.02	5	09/05/2021 20:32	WG1734430
DB-TP29SO-0.0-1.0	L1397919-39	Lead	13.5		0.101	2.03	5	09/05/2021 20:32	WG1734430
DB-TP31SO-0.0-1.0	L1397919-42	Cadmium	0.212	J	0.0869	1.02	5	09/05/2021 22:18	WG1734430
DB-TP31SO-0.0-1.0	L1397919-42	Lead	38.7		0.101	2.03	5	09/05/2021 22:18	WG1734430
DB-TP32SO-0.0-1.0	L1397919-44	Cadmium	0.528	J	0.0964	1.13	5	09/05/2021 20:23	WG1734434
DB-TP32SO-0.0-1.0	L1397919-44	Lead	56.8		0.112	2.26	5	09/05/2021 20:23	WG1734434
DB-TP32SO-2.0-3.0	L1397919-46	Cadmium	0.353	J	0.0953	1.11	5	09/05/2021 20:26	WG1734434
DB-TP32SO-2.0-3.0	L1397919-46	Lead	46.1		0.110	2.23	5	09/05/2021 20:26	WG1734434
DB-FD01	L1397919-48	Cadmium	0.181	J	0.0967	1.13	5	09/05/2021 20:29	WG1734434
DB-FD01	L1397919-48	Lead	118		0.112	2.26	5	09/05/2021 20:29	WG1734434
DB-FD02	L1397919-50	Cadmium	2.09		0.0917	1.07	5	09/05/2021 20:33	WG1734434
DB-FD02	L1397919-50	Lead	144		0.106	2.15	5	09/05/2021 20:33	WG1734434
DB-FD03	L1397919-52	Cadmium	0.108	J	0.0910	1.06	5	09/05/2021 20:36	WG1734434
DB-FD03	L1397919-52	Lead	7.69		0.105	2.13	5	09/05/2021 20:36	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Client ID	Lab Sample ID	Analyte	Result ug/l	Qualifier	MDL ug/l	RDL ug/l	Dilution	Analysis date / time	Batch
DB-EB01GW	L1397919-54	Fluorene	0.0189	J	0.0169	0.0500	1	09/05/2021 22:43	WG1734059

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB02SO-0.0-0.5	L1397919-02	Benzo(b)fluoranthene	0.0236	J	0.0155	0.0609	10	09/09/2021 20:47	WG1735766
DB-SB02SO-0.0-0.5	L1397919-02	Benzo(g,h,i)perylene	0.0485	J	0.0180	0.0609	10	09/09/2021 20:47	WG1735766
DB-SB02SO-0.0-0.5	L1397919-02	Phenanthrene	0.0271	J	0.0235	0.0609	10	09/09/2021 20:47	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Benzo(a)anthracene	0.00843		0.00181	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Benzo(a)pyrene	0.00865		0.00187	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Benzo(b)fluoranthene	0.0166		0.00160	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Benzo(g,h,i)perylene	0.0179		0.00185	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Benzo(k)fluoranthene	0.00298	J	0.00225	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Chrysene	0.0131		0.00243	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Dibenz(a,h)anthracene	0.00335	J	0.00180	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Fluoranthene	0.0101		0.00237	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Indeno(1,2,3-cd)pyrene	0.00795		0.00189	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Naphthalene	0.00710	J	0.00427	0.0209	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Phenanthrene	0.0118		0.00242	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	Pyrene	0.0194		0.00209	0.00627	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	1-Methylnaphthalene	0.0186	J	0.00469	0.0209	1	09/10/2021 08:27	WG1735766
DB-SB02SO-4.5-5.0	L1397919-04	2-Methylnaphthalene	0.0269		0.00446	0.0209	1	09/10/2021 08:27	WG1735766

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB03SO-0.5-1.0	L1397919-06	Benzo(b)fluoranthene	0.0308	J	0.0156	0.0612	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	Benzo(g,h,i)perylene	0.107	J6	0.0181	0.0612	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	Chrysene	0.0318	J	0.0237	0.0612	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	Phenanthrene	0.0544	J	0.0236	0.0612	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	Pyrene	0.0414	J	0.0204	0.0612	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	1-Methylnaphthalene	0.0558	J	0.0458	0.204	10	09/09/2021 21:07	WG1735766
DB-SB03SO-0.5-1.0	L1397919-06	2-Methylnaphthalene	0.0793	J	0.0435	0.204	10	09/09/2021 21:07	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Anthracene	0.00262	J	0.00249	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Benzo(a)anthracene	0.0137		0.00188	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Benzo(a)pyrene	0.0182		0.00194	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Benzo(b)fluoranthene	0.0259		0.00166	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Benzo(g,h,i)perylene	0.0714		0.00192	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Benzo(k)fluoranthene	0.00662		0.00233	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Chrysene	0.0162		0.00252	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Dibenz(a,h)anthracene	0.00570	J	0.00187	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Fluoranthene	0.0170		0.00246	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Indeno(1,2,3-cd)pyrene	0.0208		0.00196	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Naphthalene	0.00599	J	0.00443	0.0217	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Phenanthrene	0.0183		0.00251	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	Pyrene	0.0251		0.00217	0.00651	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	1-Methylnaphthalene	0.0165	J	0.00487	0.0217	1	09/10/2021 08:47	WG1735766
DB-SB03SO-1.5-2.0	L1397919-08	2-Methylnaphthalene	0.0236		0.00463	0.0217	1	09/10/2021 08:47	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Benzo(a)anthracene	0.0194	J	0.00901	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Benzo(a)pyrene	0.0176	J	0.00933	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Benzo(b)fluoranthene	0.0205	J	0.00797	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Benzo(g,h,i)perylene	0.220		0.00922	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Chrysene	0.0258	J	0.0121	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Dibenz(a,h)anthracene	0.0139	J	0.00896	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Indeno(1,2,3-cd)pyrene	0.0266	J	0.00943	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Phenanthrene	0.0451		0.0120	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	Pyrene	0.0467		0.0104	0.0313	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	1-Methylnaphthalene	0.0271	J	0.0234	0.104	5	09/09/2021 20:07	WG1735766
DB-SB04SO-0.5-1.0	L1397919-10	2-Methylnaphthalene	0.0408	J	0.0223	0.104	5	09/09/2021 20:07	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Benzo(a)anthracene	0.0295	J	0.00879	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Benzo(a)pyrene	0.0189	J	0.00910	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Benzo(b)fluoranthene	0.0180	J	0.00778	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Benzo(g,h,i)perylene	0.0170	J	0.00900	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Chrysene	0.0542		0.0118	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Fluoranthene	0.0181	J	0.0115	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Phenanthrene	0.0711		0.0117	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	Pyrene	0.0606		0.0102	0.0305	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	1-Methylnaphthalene	0.0368	J	0.0229	0.102	5	09/09/2021 20:27	WG1735766
DB-SB05SO-0.0-1.0	L1397919-12	2-Methylnaphthalene	0.0484	J	0.0218	0.102	5	09/09/2021 20:27	WG1735766
DB-SB06SO-0.0-0.5	L1397919-14	Acenaphthene	0.00249	J	0.00216	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Benzo(a)anthracene	0.0253		0.00179	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Benzo(a)pyrene	0.0191		0.00185	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Benzo(b)fluoranthene	0.0203		0.00158	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Benzo(g,h,i)perylene	0.0208		0.00183	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Benzo(k)fluoranthene	0.00350	J	0.00223	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Chrysene	0.0405		0.00240	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Dibenz(a,h)anthracene	0.00689		0.00178	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Fluoranthene	0.0175		0.00235	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Fluorene	0.00408	J	0.00212	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Indeno(1,2,3-cd)pyrene	0.00709		0.00187	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Naphthalene	0.0216		0.00423	0.0207	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	Phenanthrene	0.0431		0.00239	0.00621	1	09/08/2021 18:15	WG1736261

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB06SO-0.0-0.5	L1397919-14	Pyrene	0.0445		0.00207	0.00621	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	1-Methylnaphthalene	0.0207	J	0.00465	0.0207	1	09/08/2021 18:15	WG1736261
DB-SB06SO-0.0-0.5	L1397919-14	2-Methylnaphthalene	0.0292		0.00442	0.0207	1	09/08/2021 18:15	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Anthracene	0.0265		0.00253	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Acenaphthene	0.00729		0.00230	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Acenaphthylene	0.0187		0.00237	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Benzo(a)anthracene	0.163		0.00190	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Benzo(a)pyrene	0.174		0.00197	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Benzo(b)fluoranthene	0.212		0.00168	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Benzo(g,h,i)perylene	0.185		0.00195	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Benzo(k)fluoranthene	0.0689		0.00236	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Chrysene	0.144		0.00255	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Dibenz(a,h)anthracene	0.0350		0.00189	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Fluoranthene	0.237		0.00250	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Fluorene	0.00748		0.00225	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Indeno(1,2,3-cd)pyrene	0.158		0.00199	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Naphthalene	0.0154	J	0.00449	0.0220	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Phenanthrene	0.155		0.00254	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	Pyrene	0.254		0.00220	0.00660	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	1-Methylnaphthalene	0.0183	J	0.00494	0.0220	1	09/08/2021 18:33	WG1736261
DB-SB06SO-2.0-2.5	L1397919-16	2-Methylnaphthalene	0.0247		0.00469	0.0220	1	09/08/2021 18:33	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Benzo(a)anthracene	0.0209		0.00186	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Benzo(a)pyrene	0.0198		0.00193	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Benzo(b)fluoranthene	0.0312		0.00165	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Benzo(g,h,i)perylene	0.0158		0.00190	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Benzo(k)fluoranthene	0.0123		0.00231	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Chrysene	0.0266		0.00250	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Dibenz(a,h)anthracene	0.00349	J	0.00185	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Fluoranthene	0.0271		0.00244	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Indeno(1,2,3-cd)pyrene	0.0158		0.00195	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Phenanthrene	0.0100		0.00249	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP22SO-1.0-1.5	L1397919-18	Pyrene	0.0330		0.00215	0.00646	1	09/07/2021 23:53	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Benzo(a)anthracene	0.00571	J	0.00184	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Benzo(a)pyrene	0.00639		0.00190	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Benzo(b)fluoranthene	0.00874		0.00162	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Benzo(g,h,i)perylene	0.00761		0.00188	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Benzo(k)fluoranthene	0.00305	J	0.00228	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Chrysene	0.0339		0.00246	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Fluoranthene	0.00889		0.00241	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Indeno(1,2,3-cd)pyrene	0.00549	J	0.00192	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Phenanthrene	0.00359	J	0.00245	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-0.0-1.0	L1397919-21	Pyrene	0.0514		0.00212	0.00637	1	09/08/2021 00:11	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Anthracene	0.00513	J	0.00270	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Benzo(a)anthracene	0.0528		0.00203	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Benzo(a)pyrene	0.0628		0.00210	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Benzo(b)fluoranthene	0.0610		0.00180	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Benzo(g,h,i)perylene	0.0576		0.00208	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Benzo(k)fluoranthene	0.0216		0.00252	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Chrysene	0.0411		0.00272	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Dibenz(a,h)anthracene	0.00943		0.00202	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Fluoranthene	0.0552		0.00266	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Indeno(1,2,3-cd)pyrene	0.0481		0.00212	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Phenanthrene	0.0161		0.00271	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP24SO-2.5-3.0	L1397919-23	Pyrene	0.0957		0.00235	0.00704	1	09/08/2021 17:58	WG1736261
DB-TP25SO-0.0-1.0	L1397919-25	Benzo(b)fluoranthene	0.00215	J	0.00165	0.00646	1	09/08/2021 00:28	WG1736261
DB-TP25SO-0.0-1.0	L1397919-25	Pyrene	0.00245	J	0.00215	0.00646	1	09/08/2021 00:28	WG1736261

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-TP25SO-4.5-5.0	L1397919-27	Anthracene	0.00343	J	0.00249	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Benzo(a)anthracene	0.0382		0.00188	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Benzo(a)pyrene	0.0289		0.00194	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Benzo(b)fluoranthene	0.104		0.00166	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Benzo(g,h,i)perylene	0.0524		0.00192	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Benzo(k)fluoranthene	0.0299		0.00233	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Chrysene	0.0744		0.00252	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Dibenz(a,h)anthracene	0.0106		0.00186	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Fluoranthene	0.0417		0.00246	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Fluorene	0.00612	J	0.00222	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Indeno(1,2,3-cd)pyrene	0.0520		0.00196	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Naphthalene	0.142		0.00442	0.0217	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Phenanthrene	0.150		0.00250	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	Pyrene	0.0495		0.00217	0.00650	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	1-Methylnaphthalene	0.171		0.00487	0.0217	1	09/08/2021 00:45	WG1736261
DB-TP25SO-4.5-5.0	L1397919-27	2-Methylnaphthalene	0.257		0.00463	0.0217	1	09/08/2021 00:45	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Anthracene	0.00325	J	0.00237	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Acenaphthylene	0.00417	J	0.00222	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Benzo(a)anthracene	0.0235		0.00178	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Benzo(a)pyrene	0.0251		0.00184	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Benzo(b)fluoranthene	0.0353		0.00157	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Benzo(g,h,i)perylene	0.0326		0.00182	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Benzo(k)fluoranthene	0.0104		0.00221	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Chrysene	0.0221		0.00239	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Dibenz(a,h)anthracene	0.00830		0.00177	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Fluoranthene	0.0371		0.00233	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Indeno(1,2,3-cd)pyrene	0.0203		0.00186	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Naphthalene	0.00493	J	0.00420	0.0206	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Phenanthrene	0.0159		0.00238	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	Pyrene	0.0399		0.00206	0.00617	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	1-Methylnaphthalene	0.00520	J	0.00462	0.0206	1	09/08/2021 19:07	WG1736261
DB-TP26SO-0.0-1.0	L1397919-29	2-Methylnaphthalene	0.00564	J	0.00439	0.0206	1	09/08/2021 19:07	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Acenaphthylene	0.00349	J	0.00224	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Benzo(a)anthracene	0.0168		0.00179	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Benzo(a)pyrene	0.0198		0.00186	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Benzo(b)fluoranthene	0.0280		0.00159	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Benzo(g,h,i)perylene	0.0200		0.00184	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Benzo(k)fluoranthene	0.00953		0.00223	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Chrysene	0.0163		0.00241	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Dibenz(a,h)anthracene	0.00374	J	0.00178	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Fluoranthene	0.0251		0.00235	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Indeno(1,2,3-cd)pyrene	0.0187		0.00188	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Phenanthrene	0.00860		0.00240	0.00622	1	09/08/2021 17:40	WG1736261
DB-TP26SO-2.0-2.5	L1397919-31	Pyrene	0.0262		0.00207	0.00622	1	09/08/2021 17:40	WG1736261

DETECTION SUMMARY

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-TP27SO-1.0-1.5	L1397919-33	Anthracene	0.0401		0.00239	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Acenaphthene	0.0102		0.00217	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Acenaphthylene	0.0199		0.00224	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Benzo(a)anthracene	0.243		0.00179	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Benzo(a)pyrene	0.254		0.00186	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Benzo(b)fluoranthene	0.303		0.00159	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Benzo(g,h,i)perylene	0.159		0.00184	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Benzo(k)fluoranthene	0.0979		0.00223	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Chrysene	0.284		0.00241	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Dibenz(a,h)anthracene	0.0342		0.00178	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Fluoranthene	0.442		0.00235	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Fluorene	0.00707		0.00213	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Indeno(1,2,3-cd)pyrene	0.164		0.00188	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Naphthalene	0.0126	J	0.00423	0.0207	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Phenanthrene	0.198		0.00240	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	Pyrene	0.465		0.00207	0.00622	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	1-Methylnaphthalene	0.00804	J	0.00466	0.0207	1	09/08/2021 18:50	WG1736261
DB-TP27SO-1.0-1.5	L1397919-33	2-Methylnaphthalene	0.0102	J	0.00443	0.0207	1	09/08/2021 18:50	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Anthracene	0.00546	J	0.00242	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Benzo(a)anthracene	0.0288		0.00182	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Benzo(a)pyrene	0.0336		0.00188	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Benzo(b)fluoranthene	0.0447		0.00161	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Benzo(g,h,i)perylene	0.0271		0.00186	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Benzo(k)fluoranthene	0.0141		0.00226	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Chrysene	0.0374		0.00244	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Dibenz(a,h)anthracene	0.00502	J	0.00181	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Fluoranthene	0.0525		0.00239	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Indeno(1,2,3-cd)pyrene	0.0272		0.00190	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Naphthalene	0.00521	J	0.00429	0.0210	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Phenanthrene	0.0273		0.00243	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	Pyrene	0.0611		0.00210	0.00631	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	1-Methylnaphthalene	0.00506	J	0.00472	0.0210	1	09/08/2021 15:04	WG1736261
DB-TP28SO-0.0-1.0	L1397919-35	2-Methylnaphthalene	0.00682	J	0.00449	0.0210	1	09/08/2021 15:04	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Benzo(a)anthracene	0.00195	J	0.00176	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Benzo(a)pyrene	0.00192	J	0.00182	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Benzo(b)fluoranthene	0.00335	J	0.00156	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Benzo(g,h,i)perylene	0.00204	J	0.00180	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Fluoranthene	0.00326	J	0.00231	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Indeno(1,2,3-cd)pyrene	0.00196	J	0.00184	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP29SO-0.0-1.0	L1397919-39	Pyrene	0.00403	J	0.00203	0.00610	1	09/07/2021 23:01	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Benzo(a)anthracene	0.00663		0.00176	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Benzo(a)pyrene	0.0125		0.00182	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Benzo(b)fluoranthene	0.0153		0.00156	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Benzo(g,h,i)perylene	0.0144		0.00180	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Benzo(k)fluoranthene	0.00557	J	0.00219	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Chrysene	0.00657		0.00236	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Dibenz(a,h)anthracene	0.00239	J	0.00175	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Fluoranthene	0.00701		0.00231	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Indeno(1,2,3-cd)pyrene	0.0132		0.00184	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Phenanthrene	0.00384	J	0.00235	0.00610	1	09/08/2021 15:39	WG1736261
DB-TP31SO-0.0-1.0	L1397919-42	Pyrene	0.00881		0.00203	0.00610	1	09/08/2021 15:39	WG1736261

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-TP32SO-0.0-1.0	L1397919-44	Benzo(a)anthracene	0.0126		0.00195	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Benzo(a)pyrene	0.0150		0.00202	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Benzo(b)fluoranthene	0.0202		0.00173	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Benzo(g,h,i)perylene	0.0164		0.00200	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Benzo(k)fluoranthene	0.00742		0.00243	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Chrysene	0.0168		0.00262	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Dibenz(a,h)anthracene	0.00272	J	0.00194	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Fluoranthene	0.0217		0.00256	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Indeno(1,2,3-cd)pyrene	0.0140		0.00204	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Naphthalene	0.00697	J	0.00460	0.0226	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Phenanthrene	0.0129		0.00261	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	Pyrene	0.0256		0.00226	0.00677	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	1-Methylnaphthalene	0.00564	J	0.00506	0.0226	1	09/08/2021 16:48	WG1736261
DB-TP32SO-0.0-1.0	L1397919-44	2-Methylnaphthalene	0.00816	J	0.00482	0.0226	1	09/08/2021 16:48	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Anthracene	0.00300	J	0.00256	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Acenaphthylene	0.00333	J	0.00241	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Benzo(a)anthracene	0.0172		0.00193	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Benzo(a)pyrene	0.0226		0.00199	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Benzo(b)fluoranthene	0.0272		0.00170	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Benzo(g,h,i)perylene	0.0233		0.00197	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Benzo(k)fluoranthene	0.00965		0.00240	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Chrysene	0.0158		0.00259	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Dibenz(a,h)anthracene	0.00398	J	0.00192	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Fluoranthene	0.0251		0.00253	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Indeno(1,2,3-cd)pyrene	0.0206		0.00202	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Naphthalene	0.00554	J	0.00455	0.0223	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Phenanthrene	0.0147		0.00257	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	Pyrene	0.0304		0.00223	0.00669	1	09/08/2021 17:05	WG1736261
DB-TP32SO-2.0-3.0	L1397919-46	2-Methylnaphthalene	0.00646	J	0.00476	0.0223	1	09/08/2021 17:05	WG1736261
DB-FD01	L1397919-48	Anthracene	0.00919		0.00260	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Acenaphthylene	0.00596	J	0.00244	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Benzo(a)anthracene	0.129		0.00196	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Benzo(a)pyrene	0.129		0.00202	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Benzo(b)fluoranthene	0.127		0.00173	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Benzo(g,h,i)perylene	0.0840		0.00200	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Benzo(k)fluoranthene	0.0447		0.00243	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Chrysene	0.126		0.00262	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Dibenz(a,h)anthracene	0.0166		0.00194	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Fluoranthene	0.131		0.00257	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Indeno(1,2,3-cd)pyrene	0.0785		0.00205	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Naphthalene	0.00508	J	0.00461	0.0226	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Phenanthrene	0.0293		0.00261	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	Pyrene	0.225		0.00226	0.00678	1	09/08/2021 17:23	WG1736261
DB-FD01	L1397919-48	2-Methylnaphthalene	0.00528	J	0.00483	0.0226	1	09/08/2021 17:23	WG1736261

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-FD02	L1397919-50	Anthracene	0.0150		0.00247	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Acenaphthene	0.00668		0.00224	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Benzo(a)anthracene	0.0678		0.00186	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Benzo(a)pyrene	0.0614		0.00192	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Benzo(b)fluoranthene	0.0858		0.00164	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Benzo(g,h,i)perylene	0.0447		0.00190	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Benzo(k)fluoranthene	0.0252		0.00231	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Chrysene	0.0580		0.00249	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Dibenz(a,h)anthracene	0.0103		0.00185	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Fluoranthene	0.112		0.00243	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Fluorene	0.00504	J	0.00220	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Indeno(1,2,3-cd)pyrene	0.0457		0.00194	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Naphthalene	0.00645	J	0.00438	0.0215	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Phenanthrene	0.0873		0.00248	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	Pyrene	0.120		0.00215	0.00644	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	1-Methylnaphthalene	0.00631	J	0.00482	0.0215	1	09/08/2021 16:31	WG1736261
DB-FD02	L1397919-50	2-Methylnaphthalene	0.00778	J	0.00458	0.0215	1	09/08/2021 16:31	WG1736261

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.5		1	09/08/2021 11:15	WG1736115

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.121	J	0.0868	1.02	5	09/05/2021 20:49	WG1734430
Lead	27.3		0.101	2.03	5	09/05/2021 20:49	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.0234	0.0609	10	09/09/2021 20:47	WG1735766
Acenaphthene	U		0.0212	0.0609	10	09/09/2021 20:47	WG1735766
Acenaphthylene	U		0.0219	0.0609	10	09/09/2021 20:47	WG1735766
Benzo(a)anthracene	U		0.0176	0.0609	10	09/09/2021 20:47	WG1735766
Benzo(a)pyrene	U		0.0182	0.0609	10	09/09/2021 20:47	WG1735766
Benzo(b)fluoranthene	0.0236	J	0.0155	0.0609	10	09/09/2021 20:47	WG1735766
Benzo(g,h,i)perylene	0.0485	J	0.0180	0.0609	10	09/09/2021 20:47	WG1735766
Benzo(k)fluoranthene	U		0.0218	0.0609	10	09/09/2021 20:47	WG1735766
Chrysene	U		0.0236	0.0609	10	09/09/2021 20:47	WG1735766
Dibenz(a,h)anthracene	U		0.0175	0.0609	10	09/09/2021 20:47	WG1735766
Fluoranthene	U		0.0230	0.0609	10	09/09/2021 20:47	WG1735766
Fluorene	U		0.0208	0.0609	10	09/09/2021 20:47	WG1735766
Indeno(1,2,3-cd)pyrene	U		0.0184	0.0609	10	09/09/2021 20:47	WG1735766
Naphthalene	U		0.0414	0.203	10	09/09/2021 20:47	WG1735766
Phenanthrene	0.0271	J	0.0235	0.0609	10	09/09/2021 20:47	WG1735766
Pyrene	U		0.0203	0.0609	10	09/09/2021 20:47	WG1735766
1-Methylnaphthalene	U		0.0456	0.203	10	09/09/2021 20:47	WG1735766
2-Methylnaphthalene	U		0.0434	0.203	10	09/09/2021 20:47	WG1735766
2-Chloronaphthalene	U		0.0473	0.203	10	09/09/2021 20:47	WG1735766
(S) Nitrobenzene-d5	*91.0*			*14.0-149*		*09/09/2021 20:47*	WG1735766
(S) 2-Fluorobiphenyl	*76.8*			*34.0-125*		*09/09/2021 20:47*	WG1735766
(S) p-Terphenyl-d14	*91.5*			*23.0-120*		*09/09/2021 20:47*	WG1735766

Sample Narrative:

L1397919-02 WG1735766: Cannot run at lower dilution due to viscosity of extract

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	9.27		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.22		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:19	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 15:38	WG1736590
Barium	0.537		0.100	100	1	09/08/2021 15:38	WG1736590
Cadmium	ND		0.100	1	1	09/08/2021 15:38	WG1736590
Chromium	ND		0.100	5	1	09/08/2021 15:38	WG1736590
Lead	ND		0.100	5	1	09/08/2021 15:38	WG1736590
Selenium	ND		0.100	1	1	09/08/2021 15:38	WG1736590
Silver	ND		0.100	5	1	09/08/2021 15:38	WG1736590

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.6		1	09/08/2021 11:15	WG1736115

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	U		0.0894	1.05	5	09/05/2021 20:52	WG1734430
Lead	10.7		0.104	2.09	5	09/05/2021 20:52	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00240	0.00627	1	09/10/2021 08:27	WG1735766
Acenaphthene	U		0.00219	0.00627	1	09/10/2021 08:27	WG1735766
Acenaphthylene	U		0.00226	0.00627	1	09/10/2021 08:27	WG1735766
Benzo(a)anthracene	0.00843		0.00181	0.00627	1	09/10/2021 08:27	WG1735766
Benzo(a)pyrene	0.00865		0.00187	0.00627	1	09/10/2021 08:27	WG1735766
Benzo(b)fluoranthene	0.0166		0.00160	0.00627	1	09/10/2021 08:27	WG1735766
Benzo(g,h,i)perylene	0.0179		0.00185	0.00627	1	09/10/2021 08:27	WG1735766
Benzo(k)fluoranthene	0.00298	J	0.00225	0.00627	1	09/10/2021 08:27	WG1735766
Chrysene	0.0131		0.00243	0.00627	1	09/10/2021 08:27	WG1735766
Dibenz(a,h)anthracene	0.00335	J	0.00180	0.00627	1	09/10/2021 08:27	WG1735766
Fluoranthene	0.0101		0.00237	0.00627	1	09/10/2021 08:27	WG1735766
Fluorene	U		0.00214	0.00627	1	09/10/2021 08:27	WG1735766
Indeno(1,2,3-cd)pyrene	0.00795		0.00189	0.00627	1	09/10/2021 08:27	WG1735766
Naphthalene	0.00710	J	0.00427	0.0209	1	09/10/2021 08:27	WG1735766
Phenanthrene	0.0118		0.00242	0.00627	1	09/10/2021 08:27	WG1735766
Pyrene	0.0194		0.00209	0.00627	1	09/10/2021 08:27	WG1735766
1-Methylnaphthalene	0.0186	J	0.00469	0.0209	1	09/10/2021 08:27	WG1735766
2-Methylnaphthalene	0.0269		0.00446	0.0209	1	09/10/2021 08:27	WG1735766
2-Chloronaphthalene	U		0.00487	0.0209	1	09/10/2021 08:27	WG1735766
(S) Nitrobenzene-d5	*87.8*			*14.0-149*		*09/10/2021 08:27*	WG1735766
(S) 2-Fluorobiphenyl	*85.4*			*34.0-125*		*09/10/2021 08:27*	WG1735766
(S) p-Terphenyl-d14	*103*			*23.0-120*		*09/10/2021 08:27*	WG1735766

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	7.41		9/7/2021 2:39:56 PM	WG1736185
Final pH	4.98		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:21	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 15:41	WG1736590
Barium	0.947		0.100	100	1	09/08/2021 15:41	WG1736590
Cadmium	ND		0.100	1	1	09/08/2021 15:41	WG1736590
Chromium	ND		0.100	5	1	09/08/2021 15:41	WG1736590
Lead	ND		0.100	5	1	09/08/2021 15:41	WG1736590
Selenium	ND		0.100	1	1	09/08/2021 15:41	WG1736590
Silver	ND		0.100	5	1	09/08/2021 15:41	WG1736590

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.1		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.168	J	0.0872	1.02	5	09/05/2021 20:55	WG1734430
Lead	17.8		0.101	2.04	5	09/05/2021 20:55	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.0235	0.0612	10	09/09/2021 21:07	WG1735766
Acenaphthene	U		0.0213	0.0612	10	09/09/2021 21:07	WG1735766
Acenaphthylene	U		0.0220	0.0612	10	09/09/2021 21:07	WG1735766
Benzo(a)anthracene	U		0.0176	0.0612	10	09/09/2021 21:07	WG1735766
Benzo(a)pyrene	U		0.0183	0.0612	10	09/09/2021 21:07	WG1735766
Benzo(b)fluoranthene	0.0308	J	0.0156	0.0612	10	09/09/2021 21:07	WG1735766
Benzo(g,h,i)perylene	0.107	J6	0.0181	0.0612	10	09/09/2021 21:07	WG1735766
Benzo(k)fluoranthene	U		0.0219	0.0612	10	09/09/2021 21:07	WG1735766
Chrysene	0.0318	J	0.0237	0.0612	10	09/09/2021 21:07	WG1735766
Dibenz(a,h)anthracene	U		0.0175	0.0612	10	09/09/2021 21:07	WG1735766
Fluoranthene	U		0.0231	0.0612	10	09/09/2021 21:07	WG1735766
Fluorene	U		0.0209	0.0612	10	09/09/2021 21:07	WG1735766
Indeno(1,2,3-cd)pyrene	U		0.0185	0.0612	10	09/09/2021 21:07	WG1735766
Naphthalene	U		0.0416	0.204	10	09/09/2021 21:07	WG1735766
Phenanthrene	0.0544	J	0.0236	0.0612	10	09/09/2021 21:07	WG1735766
Pyrene	0.0414	J	0.0204	0.0612	10	09/09/2021 21:07	WG1735766
1-Methylnaphthalene	0.0558	J	0.0458	0.204	10	09/09/2021 21:07	WG1735766
2-Methylnaphthalene	0.0793	J	0.0435	0.204	10	09/09/2021 21:07	WG1735766
2-Chloronaphthalene	U		0.0475	0.204	10	09/09/2021 21:07	WG1735766
(S) Nitrobenzene-d5	*71.6*			*14.0-149*		*09/09/2021 21:07*	WG1735766
(S) 2-Fluorobiphenyl	*65.9*			*34.0-125*		*09/09/2021 21:07*	WG1735766
(S) p-Terphenyl-d14	*78.8*			*23.0-120*		*09/09/2021 21:07*	WG1735766

Sample Narrative:

L1397919-06 WG1735766: Cannot run at lower dilution due to viscosity of extract

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	8.33		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.16		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:23	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 15:44	WG1736590
Barium	0.518		0.100	100	1	09/08/2021 15:44	WG1736590
Cadmium	ND		0.100	1	1	09/08/2021 15:44	WG1736590
Chromium	ND		0.100	5	1	09/08/2021 15:44	WG1736590
Lead	ND		0.100	5	1	09/08/2021 15:44	WG1736590
Selenium	ND		0.100	1	1	09/08/2021 15:44	WG1736590
Silver	ND		0.100	5	1	09/08/2021 15:44	WG1736590

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.155	J	0.0927	1.08	5	09/05/2021 21:06	WG1734430
Lead	45.6		0.107	2.17	5	09/05/2021 21:06	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00262	J	0.00249	0.00651	1	09/10/2021 08:47	WG1735766
Acenaphthene	U		0.00227	0.00651	1	09/10/2021 08:47	WG1735766
Acenaphthylene	U		0.00234	0.00651	1	09/10/2021 08:47	WG1735766
Benzo(a)anthracene	0.0137		0.00188	0.00651	1	09/10/2021 08:47	WG1735766
Benzo(a)pyrene	0.0182		0.00194	0.00651	1	09/10/2021 08:47	WG1735766
Benzo(b)fluoranthene	0.0259		0.00166	0.00651	1	09/10/2021 08:47	WG1735766
Benzo(g,h,i)perylene	0.0714		0.00192	0.00651	1	09/10/2021 08:47	WG1735766
Benzo(k)fluoranthene	0.00662		0.00233	0.00651	1	09/10/2021 08:47	WG1735766
Chrysene	0.0162		0.00252	0.00651	1	09/10/2021 08:47	WG1735766
Dibenz(a,h)anthracene	0.00570	J	0.00187	0.00651	1	09/10/2021 08:47	WG1735766
Fluoranthene	0.0170		0.00246	0.00651	1	09/10/2021 08:47	WG1735766
Fluorene	U		0.00222	0.00651	1	09/10/2021 08:47	WG1735766
Indeno(1,2,3-cd)pyrene	0.0208		0.00196	0.00651	1	09/10/2021 08:47	WG1735766
Naphthalene	0.00599	J	0.00443	0.0217	1	09/10/2021 08:47	WG1735766
Phenanthrene	0.0183		0.00251	0.00651	1	09/10/2021 08:47	WG1735766
Pyrene	0.0251		0.00217	0.00651	1	09/10/2021 08:47	WG1735766
1-Methylnaphthalene	0.0165	J	0.00487	0.0217	1	09/10/2021 08:47	WG1735766
2-Methylnaphthalene	0.0236		0.00463	0.0217	1	09/10/2021 08:47	WG1735766
2-Chloronaphthalene	U		0.00505	0.0217	1	09/10/2021 08:47	WG1735766
(S) Nitrobenzene-d5	*77.4*			*14.0-149*		*09/10/2021 08:47*	WG1735766
(S) 2-Fluorobiphenyl	*70.1*			*34.0-125*		*09/10/2021 08:47*	WG1735766
(S) p-Terphenyl-d14	*86.8*			*23.0-120*		*09/10/2021 08:47*	WG1735766

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	7.39		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.08		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:25	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 15:46	WG1736590
Barium	0.232		0.100	100	1	09/08/2021 15:46	WG1736590
Cadmium	ND		0.100	1	1	09/08/2021 15:46	WG1736590
Chromium	ND		0.100	5	1	09/08/2021 15:46	WG1736590
Lead	ND		0.100	5	1	09/08/2021 15:46	WG1736590
Selenium	ND		0.100	1	1	09/08/2021 15:46	WG1736590
Silver	ND		0.100	5	1	09/08/2021 15:46	WG1736590

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.0		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.0964	J	0.0891	1.04	5	09/05/2021 21:09	WG1734430
Lead	21.1		0.103	2.08	5	09/05/2021 21:09	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.0120	0.0313	5	09/09/2021 20:07	WG1735766
Acenaphthene	U		0.0109	0.0313	5	09/09/2021 20:07	WG1735766
Acenaphthylene	U		0.0113	0.0313	5	09/09/2021 20:07	WG1735766
Benzo(a)anthracene	0.0194	J	0.00901	0.0313	5	09/09/2021 20:07	WG1735766
Benzo(a)pyrene	0.0176	J	0.00933	0.0313	5	09/09/2021 20:07	WG1735766
Benzo(b)fluoranthene	0.0205	J	0.00797	0.0313	5	09/09/2021 20:07	WG1735766
Benzo(g,h,i)perylene	0.220		0.00922	0.0313	5	09/09/2021 20:07	WG1735766
Benzo(k)fluoranthene	U		0.0111	0.0313	5	09/09/2021 20:07	WG1735766
Chrysene	0.0258	J	0.0121	0.0313	5	09/09/2021 20:07	WG1735766
Dibenz(a,h)anthracene	0.0139	J	0.00896	0.0313	5	09/09/2021 20:07	WG1735766
Fluoranthene	U		0.0118	0.0313	5	09/09/2021 20:07	WG1735766
Fluorene	U		0.0107	0.0313	5	09/09/2021 20:07	WG1735766
Indeno(1,2,3-cd)pyrene	0.0266	J	0.00943	0.0313	5	09/09/2021 20:07	WG1735766
Naphthalene	U		0.0213	0.104	5	09/09/2021 20:07	WG1735766
Phenanthrene	0.0451		0.0120	0.0313	5	09/09/2021 20:07	WG1735766
Pyrene	0.0467		0.0104	0.0313	5	09/09/2021 20:07	WG1735766
1-Methylnaphthalene	0.0271	J	0.0234	0.104	5	09/09/2021 20:07	WG1735766
2-Methylnaphthalene	0.0408	J	0.0223	0.104	5	09/09/2021 20:07	WG1735766
2-Chloronaphthalene	U		0.0243	0.104	5	09/09/2021 20:07	WG1735766
(S) Nitrobenzene-d5	*75.9*			*14.0-149*		*09/09/2021 20:07*	WG1735766
(S) 2-Fluorobiphenyl	*74.3*			*34.0-125*		*09/09/2021 20:07*	WG1735766
(S) p-Terphenyl-d14	*89.9*			*23.0-120*		*09/09/2021 20:07*	WG1735766

Sample Narrative:

L1397919-10 WG1735766: Dilution du to matrix

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	8.14		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.02		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:27	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:27	WG1736793
Barium	0.462		0.100	100	1	09/08/2021 16:27	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:27	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:27	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:27	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:27	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:27	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.4		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	U		0.0869	1.02	5	09/05/2021 21:12	WG1734430
Lead	8.70		0.101	2.03	5	09/05/2021 21:12	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.0117	0.0305	5	09/09/2021 20:27	WG1735766
Acenaphthene	U		0.0107	0.0305	5	09/09/2021 20:27	WG1735766
Acenaphthylene	U		0.0110	0.0305	5	09/09/2021 20:27	WG1735766
Benzo(a)anthracene	0.0295	J	0.00879	0.0305	5	09/09/2021 20:27	WG1735766
Benzo(a)pyrene	0.0189	J	0.00910	0.0305	5	09/09/2021 20:27	WG1735766
Benzo(b)fluoranthene	0.0180	J	0.00778	0.0305	5	09/09/2021 20:27	WG1735766
Benzo(g,h,i)perylene	0.0170	J	0.00900	0.0305	5	09/09/2021 20:27	WG1735766
Benzo(k)fluoranthene	U		0.0109	0.0305	5	09/09/2021 20:27	WG1735766
Chrysene	0.0542		0.0118	0.0305	5	09/09/2021 20:27	WG1735766
Dibenz(a,h)anthracene	U		0.00874	0.0305	5	09/09/2021 20:27	WG1735766
Fluoranthene	0.0181	J	0.0115	0.0305	5	09/09/2021 20:27	WG1735766
Fluorene	U		0.0105	0.0305	5	09/09/2021 20:27	WG1735766
Indeno(1,2,3-cd)pyrene	U		0.00920	0.0305	5	09/09/2021 20:27	WG1735766
Naphthalene	U		0.0207	0.102	5	09/09/2021 20:27	WG1735766
Phenanthrene	0.0711		0.0117	0.0305	5	09/09/2021 20:27	WG1735766
Pyrene	0.0606		0.0102	0.0305	5	09/09/2021 20:27	WG1735766
1-Methylnaphthalene	0.0368	J	0.0229	0.102	5	09/09/2021 20:27	WG1735766
2-Methylnaphthalene	0.0484	J	0.0218	0.102	5	09/09/2021 20:27	WG1735766
2-Chloronaphthalene	U		0.0237	0.102	5	09/09/2021 20:27	WG1735766
(S) Nitrobenzene-d5	*76.8*			*14.0-149*		*09/09/2021 20:27*	WG1735766
(S) 2-Fluorobiphenyl	*74.8*			*34.0-125*		*09/09/2021 20:27*	WG1735766
(S) p-Terphenyl-d14	*91.9*			*23.0-120*		*09/09/2021 20:27*	WG1735766

Sample Narrative:

L1397919-12 WG1735766: Dilution due to matrix

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	9.31		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.37		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:33	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:30	WG1736793
Barium	0.556		0.100	100	1	09/08/2021 16:30	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:30	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:30	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:30	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:30	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:30	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.6		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.220	J	0.0885	1.04	5	09/05/2021 21:16	WG1734430
Lead	42.0		0.103	2.07	5	09/05/2021 21:16	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00238	0.00621	1	09/08/2021 18:15	WG1736261
Acenaphthene	0.00249	J	0.00216	0.00621	1	09/08/2021 18:15	WG1736261
Acenaphthylene	U		0.00224	0.00621	1	09/08/2021 18:15	WG1736261
Benzo(a)anthracene	0.0253		0.00179	0.00621	1	09/08/2021 18:15	WG1736261
Benzo(a)pyrene	0.0191		0.00185	0.00621	1	09/08/2021 18:15	WG1736261
Benzo(b)fluoranthene	0.0203		0.00158	0.00621	1	09/08/2021 18:15	WG1736261
Benzo(g,h,i)perylene	0.0208		0.00183	0.00621	1	09/08/2021 18:15	WG1736261
Benzo(k)fluoranthene	0.00350	J	0.00223	0.00621	1	09/08/2021 18:15	WG1736261
Chrysene	0.0405		0.00240	0.00621	1	09/08/2021 18:15	WG1736261
Dibenz(a,h)anthracene	0.00689		0.00178	0.00621	1	09/08/2021 18:15	WG1736261
Fluoranthene	0.0175		0.00235	0.00621	1	09/08/2021 18:15	WG1736261
Fluorene	0.00408	J	0.00212	0.00621	1	09/08/2021 18:15	WG1736261
Indeno(1,2,3-cd)pyrene	0.00709		0.00187	0.00621	1	09/08/2021 18:15	WG1736261
Naphthalene	0.0216		0.00423	0.0207	1	09/08/2021 18:15	WG1736261
Phenanthrene	0.0431		0.00239	0.00621	1	09/08/2021 18:15	WG1736261
Pyrene	0.0445		0.00207	0.00621	1	09/08/2021 18:15	WG1736261
1-Methylnaphthalene	0.0207	J	0.00465	0.0207	1	09/08/2021 18:15	WG1736261
2-Methylnaphthalene	0.0292		0.00442	0.0207	1	09/08/2021 18:15	WG1736261
2-Chloronaphthalene	U		0.00483	0.0207	1	09/08/2021 18:15	WG1736261
(S) Nitrobenzene-d5	*99.4*			*14.0-149*		*09/08/2021 18:15*	WG1736261
(S) 2-Fluorobiphenyl	*83.6*			*34.0-125*		*09/08/2021 18:15*	WG1736261
(S) p-Terphenyl-d14	*102*			*23.0-120*		*09/08/2021 18:15*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 2:39:56 PM	WG1736185
Fluid	1		9/7/2021 2:39:56 PM	WG1736185
Initial pH	9.24		9/7/2021 2:39:56 PM	WG1736185
Final pH	5.23		9/7/2021 2:39:56 PM	WG1736185

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:35	WG1736738

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:33	WG1736793
Barium	0.653		0.100	100	1	09/08/2021 16:33	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:33	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:33	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:33	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:33	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:33	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	91.0		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.599	J	0.0940	1.10	5	09/05/2021 21:19	WG1734430
Lead	216		0.109	2.20	5	09/05/2021 21:19	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.0265		0.00253	0.00660	1	09/08/2021 18:33	WG1736261
Acenaphthene	0.00729		0.00230	0.00660	1	09/08/2021 18:33	WG1736261
Acenaphthylene	0.0187		0.00237	0.00660	1	09/08/2021 18:33	WG1736261
Benzo(a)anthracene	0.163		0.00190	0.00660	1	09/08/2021 18:33	WG1736261
Benzo(a)pyrene	0.174		0.00197	0.00660	1	09/08/2021 18:33	WG1736261
Benzo(b)fluoranthene	0.212		0.00168	0.00660	1	09/08/2021 18:33	WG1736261
Benzo(g,h,i)perylene	0.185		0.00195	0.00660	1	09/08/2021 18:33	WG1736261
Benzo(k)fluoranthene	0.0689		0.00236	0.00660	1	09/08/2021 18:33	WG1736261
Chrysene	0.144		0.00255	0.00660	1	09/08/2021 18:33	WG1736261
Dibenz(a,h)anthracene	0.0350		0.00189	0.00660	1	09/08/2021 18:33	WG1736261
Fluoranthene	0.237		0.00250	0.00660	1	09/08/2021 18:33	WG1736261
Fluorene	0.00748		0.00225	0.00660	1	09/08/2021 18:33	WG1736261
Indeno(1,2,3-cd)pyrene	0.158		0.00199	0.00660	1	09/08/2021 18:33	WG1736261
Naphthalene	0.0154	J	0.00449	0.0220	1	09/08/2021 18:33	WG1736261
Phenanthrene	0.155		0.00254	0.00660	1	09/08/2021 18:33	WG1736261
Pyrene	0.254		0.00220	0.00660	1	09/08/2021 18:33	WG1736261
1-Methylnaphthalene	0.0183	J	0.00494	0.0220	1	09/08/2021 18:33	WG1736261
2-Methylnaphthalene	0.0247		0.00469	0.0220	1	09/08/2021 18:33	WG1736261
2-Chloronaphthalene	U		0.00512	0.0220	1	09/08/2021 18:33	WG1736261
(S) Nitrobenzene-d5	*102*			*14.0-149*		*09/08/2021 18:33*	WG1736261
(S) 2-Fluorobiphenyl	*88.5*			*34.0-125*		*09/08/2021 18:33*	WG1736261
(S) p-Terphenyl-d14	*109*			*23.0-120*		*09/08/2021 18:33*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	9.25		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.89		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:16	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:36	WG1736793
Barium	0.971		0.100	100	1	09/08/2021 16:36	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:36	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:36	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:36	WG1736793
Selenium	0.101		0.100	1	1	09/08/2021 16:36	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:36	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.355	J	0.0920	1.08	5	09/05/2021 21:22	WG1734430
Lead	150		0.107	2.15	5	09/05/2021 21:22	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00247	0.00646	1	09/07/2021 23:53	WG1736261
Acenaphthene	U		0.00225	0.00646	1	09/07/2021 23:53	WG1736261
Acenaphthylene	U		0.00232	0.00646	1	09/07/2021 23:53	WG1736261
Benzo(a)anthracene	0.0209		0.00186	0.00646	1	09/07/2021 23:53	WG1736261
Benzo(a)pyrene	0.0198		0.00193	0.00646	1	09/07/2021 23:53	WG1736261
Benzo(b)fluoranthene	0.0312		0.00165	0.00646	1	09/07/2021 23:53	WG1736261
Benzo(g,h,i)perylene	0.0158		0.00190	0.00646	1	09/07/2021 23:53	WG1736261
Benzo(k)fluoranthene	0.0123		0.00231	0.00646	1	09/07/2021 23:53	WG1736261
Chrysene	0.0266		0.00250	0.00646	1	09/07/2021 23:53	WG1736261
Dibenz(a,h)anthracene	0.00349	J	0.00185	0.00646	1	09/07/2021 23:53	WG1736261
Fluoranthene	0.0271		0.00244	0.00646	1	09/07/2021 23:53	WG1736261
Fluorene	U		0.00221	0.00646	1	09/07/2021 23:53	WG1736261
Indeno(1,2,3-cd)pyrene	0.0158		0.00195	0.00646	1	09/07/2021 23:53	WG1736261
Naphthalene	U		0.00439	0.0215	1	09/07/2021 23:53	WG1736261
Phenanthrene	0.0100		0.00249	0.00646	1	09/07/2021 23:53	WG1736261
Pyrene	0.0330		0.00215	0.00646	1	09/07/2021 23:53	WG1736261
1-Methylnaphthalene	U		0.00483	0.0215	1	09/07/2021 23:53	WG1736261
2-Methylnaphthalene	U		0.00459	0.0215	1	09/07/2021 23:53	WG1736261
2-Chloronaphthalene	U		0.00501	0.0215	1	09/07/2021 23:53	WG1736261
(S) Nitrobenzene-d5	*84.9*			*14.0-149*		*09/07/2021 23:53*	WG1736261
(S) 2-Fluorobiphenyl	*82.4*			*34.0-125*		*09/07/2021 23:53*	WG1736261
(S) p-Terphenyl-d14	*107*			*23.0-120*		*09/07/2021 23:53*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	7.37		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.99		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:22	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 16:45	WG1736793
Barium	0.335		0.100	100	1	09/08/2021 16:45	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:45	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:45	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:45	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:45	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:45	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.161	J	0.0908	1.06	5	09/05/2021 21:26	WG1734430
Lead	17.2		0.105	2.12	5	09/05/2021 21:26	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00244	0.00637	1	09/08/2021 00:11	WG1736261
Acenaphthene	U		0.00222	0.00637	1	09/08/2021 00:11	WG1736261
Acenaphthylene	U		0.00229	0.00637	1	09/08/2021 00:11	WG1736261
Benzo(a)anthracene	0.00571	J	0.00184	0.00637	1	09/08/2021 00:11	WG1736261
Benzo(a)pyrene	0.00639		0.00190	0.00637	1	09/08/2021 00:11	WG1736261
Benzo(b)fluoranthene	0.00874		0.00162	0.00637	1	09/08/2021 00:11	WG1736261
Benzo(g,h,i)perylene	0.00761		0.00188	0.00637	1	09/08/2021 00:11	WG1736261
Benzo(k)fluoranthene	0.00305	J	0.00228	0.00637	1	09/08/2021 00:11	WG1736261
Chrysene	0.0339		0.00246	0.00637	1	09/08/2021 00:11	WG1736261
Dibenz(a,h)anthracene	U		0.00183	0.00637	1	09/08/2021 00:11	WG1736261
Fluoranthene	0.00889		0.00241	0.00637	1	09/08/2021 00:11	WG1736261
Fluorene	U		0.00218	0.00637	1	09/08/2021 00:11	WG1736261
Indeno(1,2,3-cd)pyrene	0.00549	J	0.00192	0.00637	1	09/08/2021 00:11	WG1736261
Naphthalene	U		0.00433	0.0212	1	09/08/2021 00:11	WG1736261
Phenanthrene	0.00359	J	0.00245	0.00637	1	09/08/2021 00:11	WG1736261
Pyrene	0.0514		0.00212	0.00637	1	09/08/2021 00:11	WG1736261
1-Methylnaphthalene	U		0.00477	0.0212	1	09/08/2021 00:11	WG1736261
2-Methylnaphthalene	U		0.00453	0.0212	1	09/08/2021 00:11	WG1736261
2-Chloronaphthalene	U		0.00495	0.0212	1	09/08/2021 00:11	WG1736261
(S) Nitrobenzene-d5	*87.5*			*14.0-149*		*09/08/2021 00:11*	WG1736261
(S) 2-Fluorobiphenyl	*84.6*			*34.0-125*		*09/08/2021 00:11*	WG1736261
(S) p-Terphenyl-d14	*106*			*23.0-120*		*09/08/2021 00:11*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.69		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.61		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:24	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:48	WG1736793
Barium	0.849		0.100	100	1	09/08/2021 16:48	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:48	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:48	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:48	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:48	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:48	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	85.2		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.205	J	0.100	1.17	5	09/05/2021 21:29	WG1734430
Lead	50.6		0.116	2.35	5	09/05/2021 21:29	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00513	J	0.00270	0.00704	1	09/08/2021 17:58	WG1736261
Acenaphthene	U		0.00245	0.00704	1	09/08/2021 17:58	WG1736261
Acenaphthylene	U		0.00254	0.00704	1	09/08/2021 17:58	WG1736261
Benzo(a)anthracene	0.0528		0.00203	0.00704	1	09/08/2021 17:58	WG1736261
Benzo(a)pyrene	0.0628		0.00210	0.00704	1	09/08/2021 17:58	WG1736261
Benzo(b)fluoranthene	0.0610		0.00180	0.00704	1	09/08/2021 17:58	WG1736261
Benzo(g,h,i)perylene	0.0576		0.00208	0.00704	1	09/08/2021 17:58	WG1736261
Benzo(k)fluoranthene	0.0216		0.00252	0.00704	1	09/08/2021 17:58	WG1736261
Chrysene	0.0411		0.00272	0.00704	1	09/08/2021 17:58	WG1736261
Dibenz(a,h)anthracene	0.00943		0.00202	0.00704	1	09/08/2021 17:58	WG1736261
Fluoranthene	0.0552		0.00266	0.00704	1	09/08/2021 17:58	WG1736261
Fluorene	U		0.00241	0.00704	1	09/08/2021 17:58	WG1736261
Indeno(1,2,3-cd)pyrene	0.0481		0.00212	0.00704	1	09/08/2021 17:58	WG1736261
Naphthalene	U		0.00479	0.0235	1	09/08/2021 17:58	WG1736261
Phenanthrene	0.0161		0.00271	0.00704	1	09/08/2021 17:58	WG1736261
Pyrene	0.0957		0.00235	0.00704	1	09/08/2021 17:58	WG1736261
1-Methylnaphthalene	U		0.00527	0.0235	1	09/08/2021 17:58	WG1736261
2-Methylnaphthalene	U		0.00501	0.0235	1	09/08/2021 17:58	WG1736261
2-Chloronaphthalene	U		0.00547	0.0235	1	09/08/2021 17:58	WG1736261
(S) Nitrobenzene-d5	*93.0*			*14.0-149*		*09/08/2021 17:58*	WG1736261
(S) 2-Fluorobiphenyl	*80.7*			*34.0-125*		*09/08/2021 17:58*	WG1736261
(S) p-Terphenyl-d14	*94.2*			*23.0-120*		*09/08/2021 17:58*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	7.86		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.16		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:26	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:51	WG1736793
Barium	1.06		0.100	100	1	09/08/2021 16:51	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:51	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:51	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:51	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:51	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:51	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.9		1	09/08/2021 08:50	WG1736118

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.414	J	0.0920	1.08	5	09/05/2021 21:32	WG1734430
Lead	55.4		0.107	2.15	5	09/05/2021 21:32	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00248	0.00646	1	09/08/2021 00:28	WG1736261
Acenaphthene	U		0.00225	0.00646	1	09/08/2021 00:28	WG1736261
Acenaphthylene	U		0.00232	0.00646	1	09/08/2021 00:28	WG1736261
Benzo(a)anthracene	U		0.00186	0.00646	1	09/08/2021 00:28	WG1736261
Benzo(a)pyrene	U		0.00193	0.00646	1	09/08/2021 00:28	WG1736261
Benzo(b)fluoranthene	0.00215	J	0.00165	0.00646	1	09/08/2021 00:28	WG1736261
Benzo(g,h,i)perylene	U		0.00191	0.00646	1	09/08/2021 00:28	WG1736261
Benzo(k)fluoranthene	U		0.00231	0.00646	1	09/08/2021 00:28	WG1736261
Chrysene	U		0.00250	0.00646	1	09/08/2021 00:28	WG1736261
Dibenz(a,h)anthracene	U		0.00185	0.00646	1	09/08/2021 00:28	WG1736261
Fluoranthene	U		0.00244	0.00646	1	09/08/2021 00:28	WG1736261
Fluorene	U		0.00221	0.00646	1	09/08/2021 00:28	WG1736261
Indeno(1,2,3-cd)pyrene	U		0.00195	0.00646	1	09/08/2021 00:28	WG1736261
Naphthalene	U		0.00439	0.0215	1	09/08/2021 00:28	WG1736261
Phenanthrene	U		0.00249	0.00646	1	09/08/2021 00:28	WG1736261
Pyrene	0.00245	J	0.00215	0.00646	1	09/08/2021 00:28	WG1736261
1-Methylnaphthalene	U		0.00483	0.0215	1	09/08/2021 00:28	WG1736261
2-Methylnaphthalene	U		0.00460	0.0215	1	09/08/2021 00:28	WG1736261
2-Chloronaphthalene	U		0.00502	0.0215	1	09/08/2021 00:28	WG1736261
(S) Nitrobenzene-d5	*63.4*			*14.0-149*		*09/08/2021 00:28*	WG1736261
(S) 2-Fluorobiphenyl	*60.7*			*34.0-125*		*09/08/2021 00:28*	WG1736261
(S) p-Terphenyl-d14	*79.8*			*23.0-120*		*09/08/2021 00:28*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.58		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.62		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:28	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 16:54	WG1736793
Barium	0.701		0.100	100	1	09/08/2021 16:54	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:54	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:54	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:54	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:54	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:54	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	92.2		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.547	J	0.0927	1.08	5	09/05/2021 21:36	WG1734430
Lead	269		0.107	2.17	5	09/05/2021 21:36	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00343	J	0.00249	0.00650	1	09/08/2021 00:45	WG1736261
Acenaphthene	U		0.00227	0.00650	1	09/08/2021 00:45	WG1736261
Acenaphthylene	U		0.00234	0.00650	1	09/08/2021 00:45	WG1736261
Benzo(a)anthracene	0.0382		0.00188	0.00650	1	09/08/2021 00:45	WG1736261
Benzo(a)pyrene	0.0289		0.00194	0.00650	1	09/08/2021 00:45	WG1736261
Benzo(b)fluoranthene	0.104		0.00166	0.00650	1	09/08/2021 00:45	WG1736261
Benzo(g,h,i)perylene	0.0524		0.00192	0.00650	1	09/08/2021 00:45	WG1736261
Benzo(k)fluoranthene	0.0299		0.00233	0.00650	1	09/08/2021 00:45	WG1736261
Chrysene	0.0744		0.00252	0.00650	1	09/08/2021 00:45	WG1736261
Dibenz(a,h)anthracene	0.0106		0.00186	0.00650	1	09/08/2021 00:45	WG1736261
Fluoranthene	0.0417		0.00246	0.00650	1	09/08/2021 00:45	WG1736261
Fluorene	0.00612	J	0.00222	0.00650	1	09/08/2021 00:45	WG1736261
Indeno(1,2,3-cd)pyrene	0.0520		0.00196	0.00650	1	09/08/2021 00:45	WG1736261
Naphthalene	0.142		0.00442	0.0217	1	09/08/2021 00:45	WG1736261
Phenanthrene	0.150		0.00250	0.00650	1	09/08/2021 00:45	WG1736261
Pyrene	0.0495		0.00217	0.00650	1	09/08/2021 00:45	WG1736261
1-Methylnaphthalene	0.171		0.00487	0.0217	1	09/08/2021 00:45	WG1736261
2-Methylnaphthalene	0.257		0.00463	0.0217	1	09/08/2021 00:45	WG1736261
2-Chloronaphthalene	U		0.00505	0.0217	1	09/08/2021 00:45	WG1736261
(S) Nitrobenzene-d5	*74.1*			*14.0-149*		*09/08/2021 00:45*	WG1736261
(S) 2-Fluorobiphenyl	*69.4*			*34.0-125*		*09/08/2021 00:45*	WG1736261
(S) p-Terphenyl-d14	*89.1*			*23.0-120*		*09/08/2021 00:45*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.99		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.26		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:30	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 16:57	WG1736793
Barium	1.20		0.100	100	1	09/08/2021 16:57	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:57	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:57	WG1736793
Lead	0.201		0.100	5	1	09/08/2021 16:57	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:57	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:57	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	97.2		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.385	J	0.0879	1.03	5	09/05/2021 22:01	WG1734430
Lead	84.2		0.102	2.06	5	09/05/2021 22:01	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00325	J	0.00237	0.00617	1	09/08/2021 19:07	WG1736261
Acenaphthene	U		0.00215	0.00617	1	09/08/2021 19:07	WG1736261
Acenaphthylene	0.00417	J	0.00222	0.00617	1	09/08/2021 19:07	WG1736261
Benzo(a)anthracene	0.0235		0.00178	0.00617	1	09/08/2021 19:07	WG1736261
Benzo(a)pyrene	0.0251		0.00184	0.00617	1	09/08/2021 19:07	WG1736261
Benzo(b)fluoranthene	0.0353		0.00157	0.00617	1	09/08/2021 19:07	WG1736261
Benzo(g,h,i)perylene	0.0326		0.00182	0.00617	1	09/08/2021 19:07	WG1736261
Benzo(k)fluoranthene	0.0104		0.00221	0.00617	1	09/08/2021 19:07	WG1736261
Chrysene	0.0221		0.00239	0.00617	1	09/08/2021 19:07	WG1736261
Dibenz(a,h)anthracene	0.00830		0.00177	0.00617	1	09/08/2021 19:07	WG1736261
Fluoranthene	0.0371		0.00233	0.00617	1	09/08/2021 19:07	WG1736261
Fluorene	U		0.00211	0.00617	1	09/08/2021 19:07	WG1736261
Indeno(1,2,3-cd)pyrene	0.0203		0.00186	0.00617	1	09/08/2021 19:07	WG1736261
Naphthalene	0.00493	J	0.00420	0.0206	1	09/08/2021 19:07	WG1736261
Phenanthrene	0.0159		0.00238	0.00617	1	09/08/2021 19:07	WG1736261
Pyrene	0.0399		0.00206	0.00617	1	09/08/2021 19:07	WG1736261
1-Methylnaphthalene	0.00520	J	0.00462	0.0206	1	09/08/2021 19:07	WG1736261
2-Methylnaphthalene	0.00564	J	0.00439	0.0206	1	09/08/2021 19:07	WG1736261
2-Chloronaphthalene	U		0.00479	0.0206	1	09/08/2021 19:07	WG1736261
(S) Nitrobenzene-d5	*88.2*			*14.0-149*		*09/08/2021 19:07*	WG1736261
(S) 2-Fluorobiphenyl	*78.1*			*34.0-125*		*09/08/2021 19:07*	WG1736261
(S) p-Terphenyl-d14	*91.8*			*23.0-120*		*09/08/2021 19:07*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	6.94		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.95		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:32	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:00	WG1736793
Barium	0.813		0.100	100	1	09/08/2021 17:00	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:00	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:00	WG1736793
Lead	0.158		0.100	5	1	09/08/2021 17:00	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:00	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:00	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.331	J	0.0887	1.04	5	09/05/2021 22:04	WG1734430
Lead	171		0.103	2.07	5	09/05/2021 22:04	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00239	0.00622	1	09/08/2021 17:40	WG1736261
Acenaphthene	U		0.00217	0.00622	1	09/08/2021 17:40	WG1736261
Acenaphthylene	0.00349	J	0.00224	0.00622	1	09/08/2021 17:40	WG1736261
Benzo(a)anthracene	0.0168		0.00179	0.00622	1	09/08/2021 17:40	WG1736261
Benzo(a)pyrene	0.0198		0.00186	0.00622	1	09/08/2021 17:40	WG1736261
Benzo(b)fluoranthene	0.0280		0.00159	0.00622	1	09/08/2021 17:40	WG1736261
Benzo(g,h,i)perylene	0.0200		0.00184	0.00622	1	09/08/2021 17:40	WG1736261
Benzo(k)fluoranthene	0.00953		0.00223	0.00622	1	09/08/2021 17:40	WG1736261
Chrysene	0.0163		0.00241	0.00622	1	09/08/2021 17:40	WG1736261
Dibenz(a,h)anthracene	0.00374	J	0.00178	0.00622	1	09/08/2021 17:40	WG1736261
Fluoranthene	0.0251		0.00235	0.00622	1	09/08/2021 17:40	WG1736261
Fluorene	U		0.00213	0.00622	1	09/08/2021 17:40	WG1736261
Indeno(1,2,3-cd)pyrene	0.0187		0.00188	0.00622	1	09/08/2021 17:40	WG1736261
Naphthalene	U		0.00423	0.0207	1	09/08/2021 17:40	WG1736261
Phenanthrene	0.00860		0.00240	0.00622	1	09/08/2021 17:40	WG1736261
Pyrene	0.0262		0.00207	0.00622	1	09/08/2021 17:40	WG1736261
1-Methylnaphthalene	U		0.00466	0.0207	1	09/08/2021 17:40	WG1736261
2-Methylnaphthalene	U		0.00443	0.0207	1	09/08/2021 17:40	WG1736261
2-Chloronaphthalene	U		0.00483	0.0207	1	09/08/2021 17:40	WG1736261
(S) Nitrobenzene-d5	*99.8*			*14.0-149*		*09/08/2021 17:40*	WG1736261
(S) 2-Fluorobiphenyl	*90.4*			*34.0-125*		*09/08/2021 17:40*	WG1736261
(S) p-Terphenyl-d14	*106*			*23.0-120*		*09/08/2021 17:40*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	7.89		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.97		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:34	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 17:03	WG1736793
Barium	0.663		0.100	100	1	09/08/2021 17:03	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:03	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:03	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:03	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:03	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:03	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.4		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.958	J	0.0887	1.04	5	09/05/2021 22:08	WG1734430
Lead	342		0.103	2.07	5	09/05/2021 22:08	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.0401		0.00239	0.00622	1	09/08/2021 18:50	WG1736261
Acenaphthene	0.0102		0.00217	0.00622	1	09/08/2021 18:50	WG1736261
Acenaphthylene	0.0199		0.00224	0.00622	1	09/08/2021 18:50	WG1736261
Benzo(a)anthracene	0.243		0.00179	0.00622	1	09/08/2021 18:50	WG1736261
Benzo(a)pyrene	0.254		0.00186	0.00622	1	09/08/2021 18:50	WG1736261
Benzo(b)fluoranthene	0.303		0.00159	0.00622	1	09/08/2021 18:50	WG1736261
Benzo(g,h,i)perylene	0.159		0.00184	0.00622	1	09/08/2021 18:50	WG1736261
Benzo(k)fluoranthene	0.0979		0.00223	0.00622	1	09/08/2021 18:50	WG1736261
Chrysene	0.284		0.00241	0.00622	1	09/08/2021 18:50	WG1736261
Dibenz(a,h)anthracene	0.0342		0.00178	0.00622	1	09/08/2021 18:50	WG1736261
Fluoranthene	0.442		0.00235	0.00622	1	09/08/2021 18:50	WG1736261
Fluorene	0.00707		0.00213	0.00622	1	09/08/2021 18:50	WG1736261
Indeno(1,2,3-cd)pyrene	0.164		0.00188	0.00622	1	09/08/2021 18:50	WG1736261
Naphthalene	0.0126	J	0.00423	0.0207	1	09/08/2021 18:50	WG1736261
Phenanthrene	0.198		0.00240	0.00622	1	09/08/2021 18:50	WG1736261
Pyrene	0.465		0.00207	0.00622	1	09/08/2021 18:50	WG1736261
1-Methylnaphthalene	0.00804	J	0.00466	0.0207	1	09/08/2021 18:50	WG1736261
2-Methylnaphthalene	0.0102	J	0.00443	0.0207	1	09/08/2021 18:50	WG1736261
2-Chloronaphthalene	U		0.00483	0.0207	1	09/08/2021 18:50	WG1736261
(S) Nitrobenzene-d5	*92.7*			*14.0-149*		*09/08/2021 18:50*	WG1736261
(S) 2-Fluorobiphenyl	*83.2*			*34.0-125*		*09/08/2021 18:50*	WG1736261
(S) p-Terphenyl-d14	*100*			*23.0-120*		*09/08/2021 18:50*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	9.06		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.52		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:36	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:07	WG1736793
Barium	0.993		0.100	100	1	09/08/2021 17:07	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:07	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:07	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:07	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:07	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:07	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	95.1		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.321	J	0.0899	1.05	5	09/05/2021 22:11	WG1734430
Lead	102		0.104	2.10	5	09/05/2021 22:11	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00546	J	0.00242	0.00631	1	09/08/2021 15:04	WG1736261
Acenaphthene	U		0.00220	0.00631	1	09/08/2021 15:04	WG1736261
Acenaphthylene	U		0.00227	0.00631	1	09/08/2021 15:04	WG1736261
Benzo(a)anthracene	0.0288		0.00182	0.00631	1	09/08/2021 15:04	WG1736261
Benzo(a)pyrene	0.0336		0.00188	0.00631	1	09/08/2021 15:04	WG1736261
Benzo(b)fluoranthene	0.0447		0.00161	0.00631	1	09/08/2021 15:04	WG1736261
Benzo(g,h,i)perylene	0.0271		0.00186	0.00631	1	09/08/2021 15:04	WG1736261
Benzo(k)fluoranthene	0.0141		0.00226	0.00631	1	09/08/2021 15:04	WG1736261
Chrysene	0.0374		0.00244	0.00631	1	09/08/2021 15:04	WG1736261
Dibenz(a,h)anthracene	0.00502	J	0.00181	0.00631	1	09/08/2021 15:04	WG1736261
Fluoranthene	0.0525		0.00239	0.00631	1	09/08/2021 15:04	WG1736261
Fluorene	U		0.00216	0.00631	1	09/08/2021 15:04	WG1736261
Indeno(1,2,3-cd)pyrene	0.0272		0.00190	0.00631	1	09/08/2021 15:04	WG1736261
Naphthalene	0.00521	J	0.00429	0.0210	1	09/08/2021 15:04	WG1736261
Phenanthrene	0.0273		0.00243	0.00631	1	09/08/2021 15:04	WG1736261
Pyrene	0.0611		0.00210	0.00631	1	09/08/2021 15:04	WG1736261
1-Methylnaphthalene	0.00506	J	0.00472	0.0210	1	09/08/2021 15:04	WG1736261
2-Methylnaphthalene	0.00682	J	0.00449	0.0210	1	09/08/2021 15:04	WG1736261
2-Chloronaphthalene	U		0.00490	0.0210	1	09/08/2021 15:04	WG1736261
(S) Nitrobenzene-d5	*68.9*			*14.0-149*		*09/08/2021 15:04*	WG1736261
(S) 2-Fluorobiphenyl	*61.1*			*34.0-125*		*09/08/2021 15:04*	WG1736261
(S) p-Terphenyl-d14	*74.2*			*23.0-120*		*09/08/2021 15:04*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.65		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.22		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:38	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:10	WG1736793
Barium	0.792		0.100	100	1	09/08/2021 17:10	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:10	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:10	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:10	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:10	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:10	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.4		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	U		0.0906	1.06	5	09/05/2021 22:14	WG1734430
Lead	9.11		0.105	2.12	5	09/05/2021 22:14	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00244	0.00636	1	09/08/2021 15:21	WG1736261
Acenaphthene	U		0.00221	0.00636	1	09/08/2021 15:21	WG1736261
Acenaphthylene	U		0.00229	0.00636	1	09/08/2021 15:21	WG1736261
Benzo(a)anthracene	U		0.00183	0.00636	1	09/08/2021 15:21	WG1736261
Benzo(a)pyrene	U		0.00190	0.00636	1	09/08/2021 15:21	WG1736261
Benzo(b)fluoranthene	U		0.00162	0.00636	1	09/08/2021 15:21	WG1736261
Benzo(g,h,i)perylene	U		0.00188	0.00636	1	09/08/2021 15:21	WG1736261
Benzo(k)fluoranthene	U		0.00228	0.00636	1	09/08/2021 15:21	WG1736261
Chrysene	U		0.00246	0.00636	1	09/08/2021 15:21	WG1736261
Dibenz(a,h)anthracene	U		0.00182	0.00636	1	09/08/2021 15:21	WG1736261
Fluoranthene	U		0.00241	0.00636	1	09/08/2021 15:21	WG1736261
Fluorene	U		0.00217	0.00636	1	09/08/2021 15:21	WG1736261
Indeno(1,2,3-cd)pyrene	U		0.00192	0.00636	1	09/08/2021 15:21	WG1736261
Naphthalene	U		0.00432	0.0212	1	09/08/2021 15:21	WG1736261
Phenanthrene	U		0.00245	0.00636	1	09/08/2021 15:21	WG1736261
Pyrene	U		0.00212	0.00636	1	09/08/2021 15:21	WG1736261
1-Methylnaphthalene	U		0.00476	0.0212	1	09/08/2021 15:21	WG1736261
2-Methylnaphthalene	U		0.00452	0.0212	1	09/08/2021 15:21	WG1736261
2-Chloronaphthalene	U		0.00494	0.0212	1	09/08/2021 15:21	WG1736261
(S) Nitrobenzene-d5	*64.5*			*14.0-149*		*09/08/2021 15:21*	WG1736261
(S) 2-Fluorobiphenyl	*58.8*			*34.0-125*		*09/08/2021 15:21*	WG1736261
(S) p-Terphenyl-d14	*72.2*			*23.0-120*		*09/08/2021 15:21*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.20		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.93		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:40	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 17:13	WG1736793
Barium	1.16		0.100	100	1	09/08/2021 17:13	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:13	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:13	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:13	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:13	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:13	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.3		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.105	J	0.0870	1.02	5	09/05/2021 20:32	WG1734430
Lead	13.5		0.101	2.03	5	09/05/2021 20:32	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00234	0.00610	1	09/07/2021 23:01	WG1736261
Acenaphthene	U		0.00213	0.00610	1	09/07/2021 23:01	WG1736261
Acenaphthylene	U		0.00220	0.00610	1	09/07/2021 23:01	WG1736261
Benzo(a)anthracene	0.00195	J	0.00176	0.00610	1	09/07/2021 23:01	WG1736261
Benzo(a)pyrene	0.00192	J	0.00182	0.00610	1	09/07/2021 23:01	WG1736261
Benzo(b)fluoranthene	0.00335	J	0.00156	0.00610	1	09/07/2021 23:01	WG1736261
Benzo(g,h,i)perylene	0.00204	J	0.00180	0.00610	1	09/07/2021 23:01	WG1736261
Benzo(k)fluoranthene	U		0.00219	0.00610	1	09/07/2021 23:01	WG1736261
Chrysene	U		0.00236	0.00610	1	09/07/2021 23:01	WG1736261
Dibenz(a,h)anthracene	U		0.00175	0.00610	1	09/07/2021 23:01	WG1736261
Fluoranthene	0.00326	J	0.00231	0.00610	1	09/07/2021 23:01	WG1736261
Fluorene	U		0.00208	0.00610	1	09/07/2021 23:01	WG1736261
Indeno(1,2,3-cd)pyrene	0.00196	J	0.00184	0.00610	1	09/07/2021 23:01	WG1736261
Naphthalene	U		0.00415	0.0203	1	09/07/2021 23:01	WG1736261
Phenanthrene	U		0.00235	0.00610	1	09/07/2021 23:01	WG1736261
Pyrene	0.00403	J	0.00203	0.00610	1	09/07/2021 23:01	WG1736261
1-Methylnaphthalene	U		0.00457	0.0203	1	09/07/2021 23:01	WG1736261
2-Methylnaphthalene	U		0.00434	0.0203	1	09/07/2021 23:01	WG1736261
2-Chloronaphthalene	U		0.00474	0.0203	1	09/07/2021 23:01	WG1736261
(S) Nitrobenzene-d5	*94.5*			*14.0-149*		*09/07/2021 23:01*	WG1736261
(S) 2-Fluorobiphenyl	*93.5*			*34.0-125*		*09/07/2021 23:01*	WG1736261
(S) p-Terphenyl-d14	*124*	J1		*23.0-120*		*09/07/2021 23:01*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	9.08		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.15		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:10	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 16:15	WG1736793
Barium	0.417		0.100	100	1	09/08/2021 16:15	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 16:15	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 16:15	WG1736793
Lead	ND		0.100	5	1	09/08/2021 16:15	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 16:15	WG1736793
Silver	ND		0.100	5	1	09/08/2021 16:15	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.3		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.212	J	0.0869	1.02	5	09/05/2021 22:18	WG1734430
Lead	38.7		0.101	2.03	5	09/05/2021 22:18	WG1734430

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00234	0.00610	1	09/08/2021 15:39	WG1736261
Acenaphthene	U		0.00213	0.00610	1	09/08/2021 15:39	WG1736261
Acenaphthylene	U		0.00220	0.00610	1	09/08/2021 15:39	WG1736261
Benzo(a)anthracene	0.00663		0.00176	0.00610	1	09/08/2021 15:39	WG1736261
Benzo(a)pyrene	0.0125		0.00182	0.00610	1	09/08/2021 15:39	WG1736261
Benzo(b)fluoranthene	0.0153		0.00156	0.00610	1	09/08/2021 15:39	WG1736261
Benzo(g,h,i)perylene	0.0144		0.00180	0.00610	1	09/08/2021 15:39	WG1736261
Benzo(k)fluoranthene	0.00557	J	0.00219	0.00610	1	09/08/2021 15:39	WG1736261
Chrysene	0.00657		0.00236	0.00610	1	09/08/2021 15:39	WG1736261
Dibenz(a,h)anthracene	0.00239	J	0.00175	0.00610	1	09/08/2021 15:39	WG1736261
Fluoranthene	0.00701		0.00231	0.00610	1	09/08/2021 15:39	WG1736261
Fluorene	U		0.00208	0.00610	1	09/08/2021 15:39	WG1736261
Indeno(1,2,3-cd)pyrene	0.0132		0.00184	0.00610	1	09/08/2021 15:39	WG1736261
Naphthalene	U		0.00415	0.0203	1	09/08/2021 15:39	WG1736261
Phenanthrene	0.00384	J	0.00235	0.00610	1	09/08/2021 15:39	WG1736261
Pyrene	0.00881		0.00203	0.00610	1	09/08/2021 15:39	WG1736261
1-Methylnaphthalene	U		0.00457	0.0203	1	09/08/2021 15:39	WG1736261
2-Methylnaphthalene	U		0.00434	0.0203	1	09/08/2021 15:39	WG1736261
2-Chloronaphthalene	U		0.00474	0.0203	1	09/08/2021 15:39	WG1736261
(S) Nitrobenzene-d5	*101*			*14.0-149*		*09/08/2021 15:39*	WG1736261
(S) 2-Fluorobiphenyl	*92.7*			*34.0-125*		*09/08/2021 15:39*	WG1736261
(S) p-Terphenyl-d14	*111*			*23.0-120*		*09/08/2021 15:39*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	9.31		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.11		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:46	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 17:22	WG1736793
Barium	0.545		0.100	100	1	09/08/2021 17:22	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:22	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:22	WG1736793
Lead	0.162		0.100	5	1	09/08/2021 17:22	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:22	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:22	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.7		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.528	J	0.0964	1.13	5	09/05/2021 20:23	WG1734434
Lead	56.8		0.112	2.26	5	09/05/2021 20:23	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00259	0.00677	1	09/08/2021 16:48	WG1736261
Acenaphthene	U		0.00236	0.00677	1	09/08/2021 16:48	WG1736261
Acenaphthylene	U		0.00244	0.00677	1	09/08/2021 16:48	WG1736261
Benzo(a)anthracene	0.0126		0.00195	0.00677	1	09/08/2021 16:48	WG1736261
Benzo(a)pyrene	0.0150		0.00202	0.00677	1	09/08/2021 16:48	WG1736261
Benzo(b)fluoranthene	0.0202		0.00173	0.00677	1	09/08/2021 16:48	WG1736261
Benzo(g,h,i)perylene	0.0164		0.00200	0.00677	1	09/08/2021 16:48	WG1736261
Benzo(k)fluoranthene	0.00742		0.00243	0.00677	1	09/08/2021 16:48	WG1736261
Chrysene	0.0168		0.00262	0.00677	1	09/08/2021 16:48	WG1736261
Dibenz(a,h)anthracene	0.00272	J	0.00194	0.00677	1	09/08/2021 16:48	WG1736261
Fluoranthene	0.0217		0.00256	0.00677	1	09/08/2021 16:48	WG1736261
Fluorene	U		0.00231	0.00677	1	09/08/2021 16:48	WG1736261
Indeno(1,2,3-cd)pyrene	0.0140		0.00204	0.00677	1	09/08/2021 16:48	WG1736261
Naphthalene	0.00697	J	0.00460	0.0226	1	09/08/2021 16:48	WG1736261
Phenanthrene	0.0129		0.00261	0.00677	1	09/08/2021 16:48	WG1736261
Pyrene	0.0256		0.00226	0.00677	1	09/08/2021 16:48	WG1736261
1-Methylnaphthalene	0.00564	J	0.00506	0.0226	1	09/08/2021 16:48	WG1736261
2-Methylnaphthalene	0.00816	J	0.00482	0.0226	1	09/08/2021 16:48	WG1736261
2-Chloronaphthalene	U		0.00526	0.0226	1	09/08/2021 16:48	WG1736261
(S) Nitrobenzene-d5	*75.5*			*14.0-149*		*09/08/2021 16:48*	WG1736261
(S) 2-Fluorobiphenyl	*66.7*			*34.0-125*		*09/08/2021 16:48*	WG1736261
(S) p-Terphenyl-d14	*80.5*			*23.0-120*		*09/08/2021 16:48*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.58		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.10		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:48	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 17:25	WG1736793
Barium	0.966		0.100	100	1	09/08/2021 17:25	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:25	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:25	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:25	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:25	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:25	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.7		1	09/08/2021 08:42	WG1736119

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.353	J	0.0953	1.11	5	09/05/2021 20:26	WG1734434
Lead	46.1		0.110	2.23	5	09/05/2021 20:26	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00300	J	0.00256	0.00669	1	09/08/2021 17:05	WG1736261
Acenaphthene	U		0.00233	0.00669	1	09/08/2021 17:05	WG1736261
Acenaphthylene	0.00333	J	0.00241	0.00669	1	09/08/2021 17:05	WG1736261
Benzo(a)anthracene	0.0172		0.00193	0.00669	1	09/08/2021 17:05	WG1736261
Benzo(a)pyrene	0.0226		0.00199	0.00669	1	09/08/2021 17:05	WG1736261
Benzo(b)fluoranthene	0.0272		0.00170	0.00669	1	09/08/2021 17:05	WG1736261
Benzo(g,h,i)perylene	0.0233		0.00197	0.00669	1	09/08/2021 17:05	WG1736261
Benzo(k)fluoranthene	0.00965		0.00240	0.00669	1	09/08/2021 17:05	WG1736261
Chrysene	0.0158		0.00259	0.00669	1	09/08/2021 17:05	WG1736261
Dibenz(a,h)anthracene	0.00398	J	0.00192	0.00669	1	09/08/2021 17:05	WG1736261
Fluoranthene	0.0251		0.00253	0.00669	1	09/08/2021 17:05	WG1736261
Fluorene	U		0.00228	0.00669	1	09/08/2021 17:05	WG1736261
Indeno(1,2,3-cd)pyrene	0.0206		0.00202	0.00669	1	09/08/2021 17:05	WG1736261
Naphthalene	0.00554	J	0.00455	0.0223	1	09/08/2021 17:05	WG1736261
Phenanthrene	0.0147		0.00257	0.00669	1	09/08/2021 17:05	WG1736261
Pyrene	0.0304		0.00223	0.00669	1	09/08/2021 17:05	WG1736261
1-Methylnaphthalene	U		0.00500	0.0223	1	09/08/2021 17:05	WG1736261
2-Methylnaphthalene	0.00646	J	0.00476	0.0223	1	09/08/2021 17:05	WG1736261
2-Chloronaphthalene	U		0.00519	0.0223	1	09/08/2021 17:05	WG1736261
(S) Nitrobenzene-d5	*99.6*			*14.0-149*		*09/08/2021 17:05*	WG1736261
(S) 2-Fluorobiphenyl	*86.9*			*34.0-125*		*09/08/2021 17:05*	WG1736261
(S) p-Terphenyl-d14	*104*			*23.0-120*		*09/08/2021 17:05*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.45		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.95		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:50	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:28	WG1736793
Barium	0.950		0.100	100	1	09/08/2021 17:28	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:28	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:28	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:28	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:28	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:28	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	88.4		1	09/08/2021 08:31	WG1736121

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.181	J	0.0967	1.13	5	09/05/2021 20:29	WG1734434
Lead	118		0.112	2.26	5	09/05/2021 20:29	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.00919		0.00260	0.00678	1	09/08/2021 17:23	WG1736261
Acenaphthene	U		0.00236	0.00678	1	09/08/2021 17:23	WG1736261
Acenaphthylene	0.00596	J	0.00244	0.00678	1	09/08/2021 17:23	WG1736261
Benzo(a)anthracene	0.129		0.00196	0.00678	1	09/08/2021 17:23	WG1736261
Benzo(a)pyrene	0.129		0.00202	0.00678	1	09/08/2021 17:23	WG1736261
Benzo(b)fluoranthene	0.127		0.00173	0.00678	1	09/08/2021 17:23	WG1736261
Benzo(g,h,i)perylene	0.0840		0.00200	0.00678	1	09/08/2021 17:23	WG1736261
Benzo(k)fluoranthene	0.0447		0.00243	0.00678	1	09/08/2021 17:23	WG1736261
Chrysene	0.126		0.00262	0.00678	1	09/08/2021 17:23	WG1736261
Dibenz(a,h)anthracene	0.0166		0.00194	0.00678	1	09/08/2021 17:23	WG1736261
Fluoranthene	0.131		0.00257	0.00678	1	09/08/2021 17:23	WG1736261
Fluorene	U		0.00232	0.00678	1	09/08/2021 17:23	WG1736261
Indeno(1,2,3-cd)pyrene	0.0785		0.00205	0.00678	1	09/08/2021 17:23	WG1736261
Naphthalene	0.00508	J	0.00461	0.0226	1	09/08/2021 17:23	WG1736261
Phenanthrene	0.0293		0.00261	0.00678	1	09/08/2021 17:23	WG1736261
Pyrene	0.225		0.00226	0.00678	1	09/08/2021 17:23	WG1736261
1-Methylnaphthalene	U		0.00508	0.0226	1	09/08/2021 17:23	WG1736261
2-Methylnaphthalene	0.00528	J	0.00483	0.0226	1	09/08/2021 17:23	WG1736261
2-Chloronaphthalene	U		0.00527	0.0226	1	09/08/2021 17:23	WG1736261
(S) Nitrobenzene-d5	*105*			*14.0-149*		*09/08/2021 17:23*	WG1736261
(S) 2-Fluorobiphenyl	*94.9*			*34.0-125*		*09/08/2021 17:23*	WG1736261
(S) p-Terphenyl-d14	*111*			*23.0-120*		*09/08/2021 17:23*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	8.84		9/7/2021 1:31:21 PM	WG1736188
Final pH	5.36		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:52	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:31	WG1736793
Barium	1.01		0.100	100	1	09/08/2021 17:31	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:31	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:31	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:31	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:31	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:31	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.2		1	09/08/2021 08:31	WG1736121

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	2.09		0.0917	1.07	5	09/05/2021 20:33	WG1734434
Lead	144		0.106	2.15	5	09/05/2021 20:33	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.0150		0.00247	0.00644	1	09/08/2021 16:31	WG1736261
Acenaphthene	0.00668		0.00224	0.00644	1	09/08/2021 16:31	WG1736261
Acenaphthylene	U		0.00232	0.00644	1	09/08/2021 16:31	WG1736261
Benzo(a)anthracene	0.0678		0.00186	0.00644	1	09/08/2021 16:31	WG1736261
Benzo(a)pyrene	0.0614		0.00192	0.00644	1	09/08/2021 16:31	WG1736261
Benzo(b)fluoranthene	0.0858		0.00164	0.00644	1	09/08/2021 16:31	WG1736261
Benzo(g,h,i)perylene	0.0447		0.00190	0.00644	1	09/08/2021 16:31	WG1736261
Benzo(k)fluoranthene	0.0252		0.00231	0.00644	1	09/08/2021 16:31	WG1736261
Chrysene	0.0580		0.00249	0.00644	1	09/08/2021 16:31	WG1736261
Dibenz(a,h)anthracene	0.0103		0.00185	0.00644	1	09/08/2021 16:31	WG1736261
Fluoranthene	0.112		0.00243	0.00644	1	09/08/2021 16:31	WG1736261
Fluorene	0.00504	J	0.00220	0.00644	1	09/08/2021 16:31	WG1736261
Indeno(1,2,3-cd)pyrene	0.0457		0.00194	0.00644	1	09/08/2021 16:31	WG1736261
Naphthalene	0.00645	J	0.00438	0.0215	1	09/08/2021 16:31	WG1736261
Phenanthrene	0.0873		0.00248	0.00644	1	09/08/2021 16:31	WG1736261
Pyrene	0.120		0.00215	0.00644	1	09/08/2021 16:31	WG1736261
1-Methylnaphthalene	0.00631	J	0.00482	0.0215	1	09/08/2021 16:31	WG1736261
2-Methylnaphthalene	0.00778	J	0.00458	0.0215	1	09/08/2021 16:31	WG1736261
2-Chloronaphthalene	U		0.00500	0.0215	1	09/08/2021 16:31	WG1736261
(S) Nitrobenzene-d5	*72.1*			*14.0-149*		*09/08/2021 16:31*	WG1736261
(S) 2-Fluorobiphenyl	*65.6*			*34.0-125*		*09/08/2021 16:31*	WG1736261
(S) p-Terphenyl-d14	*77.1*			*23.0-120*		*09/08/2021 16:31*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	7.19		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.86		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 10:53	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 17:34	WG1736793
Barium	1.00		0.100	100	1	09/08/2021 17:34	WG1736793
Cadmium	ND		0.100	1	1	09/08/2021 17:34	WG1736793
Chromium	ND		0.100	5	1	09/08/2021 17:34	WG1736793
Lead	ND		0.100	5	1	09/08/2021 17:34	WG1736793
Selenium	ND		0.100	1	1	09/08/2021 17:34	WG1736793
Silver	ND		0.100	5	1	09/08/2021 17:34	WG1736793

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	93.9		1	09/08/2021 08:31	WG1736121

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.108	J	0.0910	1.06	5	09/05/2021 20:36	WG1734434
Lead	7.69		0.105	2.13	5	09/05/2021 20:36	WG1734434

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U		0.00245	0.00639	1	09/08/2021 15:56	WG1736261
Acenaphthene	U		0.00223	0.00639	1	09/08/2021 15:56	WG1736261
Acenaphthylene	U		0.00230	0.00639	1	09/08/2021 15:56	WG1736261
Benzo(a)anthracene	U		0.00184	0.00639	1	09/08/2021 15:56	WG1736261
Benzo(a)pyrene	U		0.00191	0.00639	1	09/08/2021 15:56	WG1736261
Benzo(b)fluoranthene	U		0.00163	0.00639	1	09/08/2021 15:56	WG1736261
Benzo(g,h,i)perylene	U		0.00188	0.00639	1	09/08/2021 15:56	WG1736261
Benzo(k)fluoranthene	U		0.00229	0.00639	1	09/08/2021 15:56	WG1736261
Chrysene	U		0.00247	0.00639	1	09/08/2021 15:56	WG1736261
Dibenz(a,h)anthracene	U		0.00183	0.00639	1	09/08/2021 15:56	WG1736261
Fluoranthene	U		0.00242	0.00639	1	09/08/2021 15:56	WG1736261
Fluorene	U		0.00218	0.00639	1	09/08/2021 15:56	WG1736261
Indeno(1,2,3-cd)pyrene	U		0.00193	0.00639	1	09/08/2021 15:56	WG1736261
Naphthalene	U		0.00434	0.0213	1	09/08/2021 15:56	WG1736261
Phenanthrene	U		0.00246	0.00639	1	09/08/2021 15:56	WG1736261
Pyrene	U		0.00213	0.00639	1	09/08/2021 15:56	WG1736261
1-Methylnaphthalene	U		0.00478	0.0213	1	09/08/2021 15:56	WG1736261
2-Methylnaphthalene	U		0.00455	0.0213	1	09/08/2021 15:56	WG1736261
2-Chloronaphthalene	U		0.00496	0.0213	1	09/08/2021 15:56	WG1736261
(S) Nitrobenzene-d5	*73.0*			*14.0-149*		*09/08/2021 15:56*	WG1736261
(S) 2-Fluorobiphenyl	*66.5*			*34.0-125*		*09/08/2021 15:56*	WG1736261
(S) p-Terphenyl-d14	*82.0*			*23.0-120*		*09/08/2021 15:56*	WG1736261

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 1:31:21 PM	WG1736188
Fluid	1		9/7/2021 1:31:21 PM	WG1736188
Initial pH	6.98		9/7/2021 1:31:21 PM	WG1736188
Final pH	4.92		9/7/2021 1:31:21 PM	WG1736188

Mercury by Method 7470A

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Mercury	ND		0.0100	0.20	1	09/09/2021 10:55	WG1736726

Metals (ICP) by Method 6010D

Analyte	Result mg/l	Qualifier	RDL mg/l	Limit mg/l	Dilution	Analysis date / time	Batch
Arsenic	ND		0.100	5	1	09/08/2021 20:06	WG1736882
Barium	0.915		0.100	100	1	09/08/2021 20:06	WG1736882
Cadmium	ND		0.100	1	1	09/08/2021 20:06	WG1736882
Chromium	ND		0.100	5	1	09/08/2021 20:06	WG1736882
Lead	ND		0.100	5	1	09/08/2021 20:06	WG1736882
Selenium	ND		0.100	1	1	09/08/2021 20:06	WG1736882
Silver	ND		0.100	5	1	09/08/2021 20:06	WG1736882

Metals (ICPMS) by Method 6020B

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Cadmium	U		0.150	1.00	1	09/05/2021 23:43	WG1733701
Lead	U		0.849	2.00	1	09/05/2021 23:43	WG1733701

Semi Volatile Organic Compounds (GC/MS) by Method 8270C-SIM

Analyte	Result	Qualifier	MDL	RDL	Dilution	Analysis	Batch
	ug/l		ug/l	ug/l		date / time	
Anthracene	U		0.0190	0.0500	1	09/05/2021 22:43	WG1734059
Acenaphthene	U		0.0190	0.0500	1	09/05/2021 22:43	WG1734059
Acenaphthylene	U		0.0171	0.0500	1	09/05/2021 22:43	WG1734059
Benzo(a)anthracene	U		0.0203	0.0500	1	09/05/2021 22:43	WG1734059
Benzo(a)pyrene	U		0.0184	0.0500	1	09/05/2021 22:43	WG1734059
Benzo(b)fluoranthene	U		0.0168	0.0500	1	09/05/2021 22:43	WG1734059
Benzo(g,h,i)perylene	U		0.0184	0.0500	1	09/05/2021 22:43	WG1734059
Benzo(k)fluoranthene	U		0.0202	0.0500	1	09/05/2021 22:43	WG1734059
Chrysene	U		0.0179	0.0500	1	09/05/2021 22:43	WG1734059
Dibenz(a,h)anthracene	U		0.0160	0.0500	1	09/05/2021 22:43	WG1734059
Fluoranthene	U		0.0270	0.100	1	09/05/2021 22:43	WG1734059
Fluorene	0.0189	J	0.0169	0.0500	1	09/05/2021 22:43	WG1734059
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500	1	09/05/2021 22:43	WG1734059
Naphthalene	U		0.0917	0.250	1	09/05/2021 22:43	WG1734059
Phenanthrene	U		0.0180	0.0500	1	09/05/2021 22:43	WG1734059
Pyrene	U		0.0169	0.0500	1	09/05/2021 22:43	WG1734059
1-Methylnaphthalene	U		0.0687	0.250	1	09/05/2021 22:43	WG1734059
2-Methylnaphthalene	U		0.0674	0.250	1	09/05/2021 22:43	WG1734059
2-Chloronaphthalene	U		0.0682	0.250	1	09/05/2021 22:43	WG1734059
(S) Nitrobenzene-d5	*100*			*31.0-160*		*09/05/2021 22:43*	WG1734059
(S) 2-Fluorobiphenyl	*103*			*48.0-148*		*09/05/2021 22:43*	WG1734059
(S) p-Terphenyl-d14	*129*			*37.0-146*		*09/05/2021 22:43*	WG1734059

Method Blank (MB)

(MB) R3702086-1 09/08/21 11:15

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00100			

L1397919-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1397919-02 09/08/21 11:15 • (DUP) R3702086-3 09/08/21 11:15

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.5	98.6	1	0.124		10

Laboratory Control Sample (LCS)

(LCS) R3702086-2 09/08/21 11:15

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3702029-1 09/08/21 08:50

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1397919-23 Original Sample (OS) • Duplicate (DUP)

(OS) L1397919-23 09/08/21 08:50 • (DUP) R3702029-3 09/08/21 08:50

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	85.2	84.6	1	0.702		10

Laboratory Control Sample (LCS)

(LCS) R3702029-2 09/08/21 08:50

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3702027-1 09/08/21 08:42

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1397919-39 Original Sample (OS) • Duplicate (DUP)

(OS) L1397919-39 09/08/21 08:42 • (DUP) R3702027-3 09/08/21 08:42

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.3	98.1	1	0.198		10

Laboratory Control Sample (LCS)

(LCS) R3702027-2 09/08/21 08:42

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3702025-1 09/08/21 08:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

Laboratory Control Sample (LCS)

(LCS) R3702025-2 09/08/21 08:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3702259-1 09/09/21 10:06

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3702259-2 09/09/21 10:08

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0328	109	80.0-120	

L1397919-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-40 09/09/21 10:10 • (MS) R3702259-3 09/09/21 10:12 • (MSD) R3702259-4 09/09/21 10:14

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0325	0.0330	108	110	1	75.0-125			1.60	20

Method Blank (MB)

(MB) R3702148-1 09/09/21 08:46

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3702148-2 09/09/21 08:48

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0333	111	80.0-120	

L1397750-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397750-01 09/09/21 08:50 • (MS) R3702148-3 09/09/21 08:52 • (MSD) R3702148-4 09/09/21 08:54

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0327	0.0322	109	107	1	75.0-125			1.47	20

Method Blank (MB)

(MB) R3702003-1 09/08/21 14:29

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0333	0.100
Barium	U		0.0333	0.100
Cadmium	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100
Selenium	0.0439	J	0.0333	0.100
Silver	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R3702003-2 09/08/21 14:32

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.44	94.4	80.0-120	
Barium	10.0	9.56	95.6	80.0-120	
Cadmium	10.0	9.48	94.8	80.0-120	
Chromium	10.0	9.33	93.3	80.0-120	
Lead	10.0	9.61	96.1	80.0-120	
Selenium	10.0	9.80	98.0	80.0-120	
Silver	2.00	1.69	84.5	80.0-120	

L1397377-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397377-01 09/08/21 14:34 • (MS) R3702003-4 09/08/21 14:40 • (MSD) R3702003-5 09/08/21 14:42

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	10.6	10.6	105	105	1	75.0-125			0.345	20
Barium	10.0	ND	9.85	9.88	97.9	98.1	1	75.0-125			0.213	20
Cadmium	10.0	ND	9.32	9.35	93.2	93.5	1	75.0-125			0.350	20
Chromium	10.0	0.330	10.1	10.1	97.9	97.2	1	75.0-125			0.612	20
Lead	10.0	ND	8.94	8.96	89.4	89.6	1	75.0-125			0.212	20
Selenium	10.0	0.504	10.2	12.1	96.7	116	1	75.0-125			17.1	20
Silver	2.00	ND	1.65	1.64	82.5	82.1	1	75.0-125			0.499	20

L1397927-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397927-02 09/08/21 14:45 • (MS) R3702003-6 09/08/21 14:47 • (MSD) R3702003-7 09/08/21 14:50

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Barium	10.0	ND	9.65	9.66	96.5	96.6	1	75.0-125			0.0506	20
Cadmium	10.0	ND	9.52	9.57	95.2	95.7	1	75.0-125			0.542	20
Chromium	10.0	ND	9.35	9.41	93.5	94.1	1	75.0-125			0.625	20
Silver	2.00	ND	1.71	1.71	85.6	85.3	1	75.0-125			0.341	20

L1397927-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397927-02 09/09/21 07:57 • (MS) R3702271-6 09/09/21 08:00 • (MSD) R3702271-7 09/09/21 08:02

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	0.465	10.0	10.1	95.4	96.1	1	75.0-125			0.711	20
Lead	10.0	ND	9.69	9.73	96.9	97.3	1	75.0-125			0.435	20
Selenium	10.0	ND	9.93	9.94	99.3	99.4	1	75.0-125			0.0885	20

Method Blank (MB)

(MB) R3701937-1 09/08/21 16:09

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0330	0.100
Barium	U		0.0330	0.100
Cadmium	U		0.0330	0.100
Chromium	U		0.0330	0.100
Lead	U		0.0330	0.100
Selenium	U		0.0330	0.100
Silver	U		0.0330	0.100

Laboratory Control Sample (LCS)

(LCS) R3701937-2 09/08/21 16:12

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.56	95.6	80.0-120	
Barium	10.0	9.50	95.0	80.0-120	
Cadmium	10.0	9.48	94.8	80.0-120	
Chromium	10.0	9.13	91.3	80.0-120	
Lead	10.0	9.45	94.5	80.0-120	
Selenium	10.0	9.86	98.6	80.0-120	
Silver	2.00	1.68	84.1	80.0-120	

L1397919-40 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-40 09/08/21 16:15 • (MS) R3701937-4 09/08/21 16:21 • (MSD) R3701937-5 09/08/21 16:24

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.63	9.54	96.3	95.4	1	75.0-125			0.907	20
Barium	10.0	0.417	9.87	9.79	94.5	93.7	1	75.0-125			0.754	20
Cadmium	10.0	ND	9.53	9.43	95.3	94.3	1	75.0-125			0.987	20
Chromium	10.0	ND	9.14	9.06	91.4	90.6	1	75.0-125			0.881	20
Lead	10.0	ND	9.48	9.38	94.8	93.8	1	75.0-125			1.06	20
Selenium	10.0	ND	9.93	9.83	99.3	98.3	1	75.0-125			0.959	20
Silver	2.00	ND	1.71	1.69	85.3	84.4	1	75.0-125			0.988	20

Method Blank (MB)

(MB) R3701939-1 09/08/21 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0333	0.100
Barium	U		0.0333	0.100
Cadmium	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100
Selenium	U		0.0333	0.100
Silver	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R3701939-2 09/08/21 19:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.56	95.6	80.0-120	
Barium	10.0	9.61	96.1	80.0-120	
Cadmium	10.0	9.55	95.5	80.0-120	
Chromium	10.0	9.24	92.4	80.0-120	
Lead	10.0	9.51	95.1	80.0-120	
Selenium	10.0	9.86	98.6	80.0-120	
Silver	2.00	1.70	84.9	80.0-120	

L1397610-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397610-21 09/08/21 19:48 • (MS) R3701939-4 09/08/21 19:54 • (MSD) R3701939-5 09/08/21 19:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.59	9.43	95.9	94.3	1	75.0-125			1.71	20
Barium	10.0	0.823	10.3	10.3	94.7	94.3	1	75.0-125			0.368	20
Cadmium	10.0	ND	9.48	9.44	94.8	94.4	1	75.0-125			0.487	20
Chromium	10.0	ND	9.21	9.20	92.1	92.0	1	75.0-125			0.148	20
Lead	10.0	ND	9.48	9.45	94.4	94.1	1	75.0-125			0.283	20
Selenium	10.0	ND	9.93	9.78	99.3	97.8	1	75.0-125			1.52	20
Silver	2.00	ND	1.70	1.70	84.8	85.1	1	75.0-125			0.386	20

Method Blank (MB)

(MB) R3700700-1 09/05/21 23:37

Analyte	MB Result	MB Qualifier	MB MDL	MB RDL
	ug/l		ug/l	ug/l
Cadmium	U		0.150	1.00
Lead	U		0.849	2.00

Laboratory Control Sample (LCS)

(LCS) R3700700-2 09/05/21 23:40

Analyte	Spike Amount	LCS Result	LCS Rec.	Rec. Limits	LCS Qualifier
	ug/l	ug/l	%	%	
Cadmium	50.0	49.2	98.5	80.0-120	
Lead	50.0	44.2	88.5	80.0-120	

L1397919-54 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-54 09/05/21 23:43 • (MS) R3700700-4 09/05/21 23:50 • (MSD) R3700700-5 09/05/21 23:53

Analyte	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
	ug/l	ug/l	ug/l	ug/l	%	%		%			%	%
Cadmium	50.0	U	49.5	51.1	98.9	102	1	75.0-125			3.30	20
Lead	50.0	U	45.7	46.7	91.3	93.4	1	75.0-125			2.26	20

Method Blank (MB)

(MB) R3700625-1 09/05/21 20:25

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cadmium	U		0.0855	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3700625-2 09/05/21 20:29

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cadmium	100	101	101	80.0-120	
Lead	100	98.7	98.7	80.0-120	

L1397919-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-39 09/05/21 20:32 • (MS) R3700625-5 09/05/21 20:42 • (MSD) R3700625-6 09/05/21 20:45

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium	102	0.105	99.6	98.1	97.9	96.4	5	75.0-125			1.53	20
Lead	102	13.5	107	105	92.2	90.1	5	75.0-125			1.93	20

Method Blank (MB)

(MB) R3700621-1 09/05/21 19:31

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cadmium	U		0.0855	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3700621-2 09/05/21 19:35

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cadmium	100	99.8	99.8	80.0-120	
Lead	100	92.9	92.9	80.0-120	

L1397785-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397785-01 09/05/21 19:38 • (MS) R3700621-5 09/05/21 19:48 • (MSD) R3700621-6 09/05/21 19:51

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium	100	0.116	93.6	91.0	93.5	90.9	5	75.0-125			2.85	20
Lead	100	8.51	92.2	92.9	83.7	84.4	5	75.0-125			0.822	20

Method Blank (MB)

(MB) R3701752-1 09/05/21 17:42

Analyte	MB Result ug/l	MB Qualifier	MB MDL ug/l	MB RDL ug/l
Anthracene	U		0.0190	0.0500
Acenaphthene	U		0.0190	0.0500
Acenaphthylene	U		0.0171	0.0500
Benzo(a)anthracene	U		0.0203	0.0500
Benzo(a)pyrene	U		0.0184	0.0500
Benzo(b)fluoranthene	U		0.0168	0.0500
Benzo(g,h,i)perylene	U		0.0184	0.0500
Benzo(k)fluoranthene	U		0.0202	0.0500
Chrysene	U		0.0179	0.0500
Dibenz(a,h)anthracene	U		0.0160	0.0500
Fluoranthene	U		0.0270	0.100
Fluorene	U		0.0169	0.0500
Indeno(1,2,3-cd)pyrene	U		0.0158	0.0500
Naphthalene	U		0.0917	0.250
Phenanthrene	U		0.0180	0.0500
Pyrene	U		0.0169	0.0500
1-Methylnaphthalene	U		0.0687	0.250
2-Methylnaphthalene	U		0.0674	0.250
2-Chloronaphthalene	U		0.0682	0.250
(S) Nitrobenzene-d5	*105*			*31.0-160*
(S) 2-Fluorobiphenyl	*110*			*48.0-148*
(S) p-Terphenyl-d14	*133*			*37.0-146*

Laboratory Control Sample (LCS)

(LCS) R3701752-2 09/05/21 18:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	2.00	2.19	109	67.0-150	
Acenaphthene	2.00	2.16	108	65.0-138	
Acenaphthylene	2.00	2.24	112	66.0-140	
Benzo(a)anthracene	2.00	2.25	112	61.0-140	
Benzo(a)pyrene	2.00	2.15	107	60.0-143	
Benzo(b)fluoranthene	2.00	2.21	111	58.0-141	
Benzo(g,h,i)perylene	2.00	2.13	106	52.0-153	
Benzo(k)fluoranthene	2.00	2.12	106	58.0-148	
Chrysene	2.00	2.24	112	64.0-144	
Dibenz(a,h)anthracene	2.00	2.23	111	52.0-155	
Fluoranthene	2.00	2.18	109	69.0-153	

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Laboratory Control Sample (LCS)

(LCS) R3701752-2 09/05/21 18:22

Analyte	Spike Amount ug/l	LCS Result ug/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	2.00	2.27	114	64.0-136	
Indeno(1,2,3-cd)pyrene	2.00	2.13	106	54.0-153	
Naphthalene	2.00	2.20	110	61.0-137	
Phenanthrene	2.00	2.18	109	62.0-137	
Pyrene	2.00	2.29	115	60.0-142	
1-Methylnaphthalene	2.00	2.25	112	66.0-142	
2-Methylnaphthalene	2.00	2.15	107	62.0-136	
2-Chloronaphthalene	2.00	2.23	111	64.0-140	
(S) Nitrobenzene-d5			*111*	*31.0-160*	
(S) 2-Fluorobiphenyl			*115*	*48.0-148*	
(S) p-Terphenyl-d14			*138*	*37.0-146*	

Method Blank (MB)

(MB) R3702546-2 09/09/21 14:29

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*48.4*			*14.0-149*
(S) 2-Fluorobiphenyl	*55.2*			*34.0-125*
(S) p-Terphenyl-d14	*66.5*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3702546-1 09/09/21 14:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0613	76.6	50.0-126	
Acenaphthene	0.0800	0.0598	74.8	50.0-120	
Acenaphthylene	0.0800	0.0644	80.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0627	78.4	45.0-120	
Benzo(a)pyrene	0.0800	0.0531	66.4	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0600	75.0	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0579	72.4	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0608	76.0	49.0-125	
Chrysene	0.0800	0.0632	79.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0575	71.9	47.0-125	
Fluoranthene	0.0800	0.0620	77.5	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3702546-1 09/09/21 14:09

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0615	76.9	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0556	69.5	46.0-125	
Naphthalene	0.0800	0.0599	74.9	50.0-120	
Phenanthrene	0.0800	0.0615	76.9	47.0-120	
Pyrene	0.0800	0.0633	79.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0613	76.6	51.0-121	
2-Methylnaphthalene	0.0800	0.0581	72.6	50.0-120	
2-Chloronaphthalene	0.0800	0.0606	75.8	50.0-120	
(S) Nitrobenzene-d5			*66.8*	*14.0-149*	
(S) 2-Fluorobiphenyl			*72.8*	*34.0-125*	
(S) p-Terphenyl-d14			*86.7*	*23.0-120*	

L1397919-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-06 09/09/21 21:07 • (MS) R3702546-3 09/09/21 21:26 • (MSD) R3702546-4 09/09/21 21:47

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0804	U	0.0504	0.0544	62.7	67.0	10	10.0-145			7.59	30
Acenaphthene	0.0804	U	0.0523	0.0526	65.1	64.8	10	14.0-127			0.583	27
Acenaphthylene	0.0804	U	0.0573	0.0593	71.3	73.0	10	21.0-124			3.32	25
Benzo(a)anthracene	0.0804	U	0.0657	0.0668	81.7	82.3	10	10.0-139			1.69	30
Benzo(a)pyrene	0.0804	U	0.0600	0.0605	74.6	74.5	10	10.0-141			0.847	31
Benzo(b)fluoranthene	0.0804	0.0308	0.0635	0.0638	40.7	40.7	10	10.0-140			0.480	36
Benzo(g,h,i)perylene	0.0804	0.107	0.115	0.114	10.2	8.79	10	10.0-140		J6	0.889	33
Benzo(k)fluoranthene	0.0804	U	0.0448	0.0463	55.7	57.0	10	10.0-137			3.36	31
Chrysene	0.0804	0.0318	0.0794	0.0800	59.3	59.3	10	10.0-145			0.640	30
Dibenz(a,h)anthracene	0.0804	U	0.0613	0.0639	76.3	78.8	10	10.0-132			4.23	31
Fluoranthene	0.0804	U	0.0583	0.0618	72.6	76.1	10	10.0-153			5.77	33
Fluorene	0.0804	U	0.0519	0.0527	64.6	64.9	10	11.0-130			1.56	29
Indeno(1,2,3-cd)pyrene	0.0804	U	0.0569	0.0605	70.8	74.5	10	10.0-137			6.08	32
Naphthalene	0.0804	U	0.0601	0.0601	74.7	74.0	10	10.0-135			0.000	27
Phenanthrene	0.0804	0.0544	0.0870	0.0855	40.6	38.3	10	10.0-144			1.77	31
Pyrene	0.0804	0.0414	0.0740	0.0738	40.6	39.9	10	10.0-148			0.276	35
1-Methylnaphthalene	0.0804	0.0558	0.0919	0.0925	44.9	45.2	10	10.0-142			0.664	28
2-Methylnaphthalene	0.0804	0.0793	0.108	0.105	35.8	31.7	10	10.0-137			2.87	28
2-Chloronaphthalene	0.0804	U	U	0.0478	57.6	58.9	10	29.0-120			3.25	24
(S) Nitrobenzene-d5					*79.0*	*77.0*		*14.0-149*				
(S) 2-Fluorobiphenyl					*66.6*	*62.4*		*34.0-125*				
(S) p-Terphenyl-d14					*78.7*	*74.2*		*23.0-120*				

L1397919-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-06 09/09/21 21:07 • (MS) R3702546-3 09/09/21 21:26 • (MSD) R3702546-4 09/09/21 21:47

	Spike Amount (dry)	Original Result (dry)	MS Result (dry)	MSD Result (dry)	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

Method Blank (MB)

(MB) R3701683-2 09/07/21 22:44

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*93.0*			*14.0-149*
(S) 2-Fluorobiphenyl	*89.9*			*34.0-125*
(S) p-Terphenyl-d14	*122*	J1		*23.0-120*

Method Blank (MB)

(MB) R3701872-1 09/08/21 14:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600

Method Blank (MB)

(MB) R3701872-1 09/08/21 14:46

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*98.7*			*14.0-149*
(S) 2-Fluorobiphenyl	*89.9*			*34.0-125*
(S) p-Terphenyl-d14	*111*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3701683-1 09/07/21 22:26

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0653	81.6	50.0-126	
Acenaphthene	0.0800	0.0672	84.0	50.0-120	
Acenaphthylene	0.0800	0.0694	86.8	50.0-120	
Benzo(a)anthracene	0.0800	0.0666	83.3	45.0-120	
Benzo(a)pyrene	0.0800	0.0560	70.0	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0703	87.9	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0645	80.6	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0699	87.4	49.0-125	
Chrysene	0.0800	0.0688	86.0	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0610	76.3	47.0-125	
Fluoranthene	0.0800	0.0647	80.9	49.0-129	
Fluorene	0.0800	0.0646	80.7	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0608	76.0	46.0-125	
Naphthalene	0.0800	0.0668	83.5	50.0-120	
Phenanthrene	0.0800	0.0698	87.3	47.0-120	
Pyrene	0.0800	0.0745	93.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0651	81.4	51.0-121	
2-Methylnaphthalene	0.0800	0.0649	81.1	50.0-120	
2-Chloronaphthalene	0.0800	0.0683	85.4	50.0-120	
(S) Nitrobenzene-d5			*96.0*	*14.0-149*	
(S) 2-Fluorobiphenyl			*93.9*	*34.0-125*	
(S) p-Terphenyl-d14			*121*	*23.0-120*	J1

L1397919-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397919-39 09/07/21 23:01 • (MS) R3701683-3 09/07/21 23:19 • (MSD) R3701683-4 09/07/21 23:36

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.0801	U	0.0676	0.0687	84.4	85.8	1	10.0-145			1.64	30
Acenaphthene	0.0801	U	0.0708	0.0719	88.3	89.7	1	14.0-127			1.57	27
Acenaphthylene	0.0801	U	0.0724	0.0734	90.4	91.6	1	21.0-124			1.39	25
Benzo(a)anthracene	0.0801	0.00195	0.0704	0.0694	85.4	84.1	1	10.0-139			1.46	30
Benzo(a)pyrene	0.0801	0.00192	0.0691	0.0687	83.8	83.4	1	10.0-141			0.443	31
Benzo(b)fluoranthene	0.0801	0.00335	0.0773	0.0766	92.3	91.4	1	10.0-140			0.925	36
Benzo(g,h,i)perylene	0.0801	0.00204	0.0696	0.0702	84.3	85.0	1	10.0-140			0.873	33
Benzo(k)fluoranthene	0.0801	U	0.0756	0.0738	94.3	92.1	1	10.0-137			2.31	31
Chrysene	0.0801	U	0.0752	0.0743	93.8	92.8	1	10.0-145			1.09	30
Dibenz(a,h)anthracene	0.0801	U	0.0647	0.0654	80.7	81.6	1	10.0-132			1.09	31
Fluoranthene	0.0801	0.00326	0.0721	0.0698	85.9	83.0	1	10.0-153			3.30	33
Fluorene	0.0801	U	0.0671	0.0690	83.8	86.0	1	11.0-130			2.69	29
Indeno(1,2,3-cd)pyrene	0.0801	0.00196	0.0652	0.0648	78.9	78.4	1	10.0-137			0.626	32
Naphthalene	0.0801	U	0.0708	0.0716	88.3	89.3	1	10.0-135			1.14	27
Phenanthrene	0.0801	U	0.0735	0.0733	91.8	91.5	1	10.0-144			0.277	31
Pyrene	0.0801	0.00403	0.0824	0.0804	97.8	95.4	1	10.0-148			2.37	35
1-Methylnaphthalene	0.0801	U	0.0697	0.0705	86.9	87.9	1	10.0-142			1.16	28
2-Methylnaphthalene	0.0801	U	0.0690	0.0685	86.0	85.5	1	10.0-137			0.592	28
2-Chloronaphthalene	0.0801	U	0.0719	0.0720	89.7	89.8	1	29.0-120			0.141	24
(S) Nitrobenzene-d5					*95.6*	*104*		*14.0-149*				
(S) 2-Fluorobiphenyl					*94.8*	*102*		*34.0-125*				
(S) p-Terphenyl-d14					*121*	*132*		*23.0-120*	J1	J1		

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J1	Surrogate recovery limits have been exceeded; values are outside upper control limits.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Stantec - Lynnwood, WA

4100 194th Street SW
Suite 400
Lynnwood. WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to:
Cyrus Gorman

Email To:
Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description:
Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: 425-599-9302

Client Project #
185705581

Lab Project #
STANTECLWA-DAYBREAK

Collected by (print):
N. Bellus/A. Wisher

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately
Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres Percent solids	Remarks	Sample # (lab only)
DB-SB01S0-0.0-0.5	GRAB	SS	0.0-0.5	8/30/2021	1350	1	X							X	X	X	Hold	-01
DB-SB02S0-0.0-0.5		SS	0.0-0.5		1219		X							X	X	X	TCLP	-02/03
DB-SB02S0-4.5-5.0		SS	4.5-5.0		1249		X							X	X	X		-04/05
DB-SB03S0-0.5-1.0		SS	0.5-1.0		1030		X							X	X	X		-06/07
DB-SB03S0-1.5-2.0		SS	1.5-2.0		1042		X							X	X	X		-08/09
DB-SB04S0-0.5-1.0		SS	0.5-1.0		1127		X							X	X	X		-10/11
DB-SB05S0-0.0-1.0		SS	0.0-1.0		1601		X							X	X	X		-12/13
DB-SB06S0-0.0-0.5		SS	0.0-0.5		1447		X							X	X	X		-14/15
DB-SB06S0-2.0-2.5		SS	2.0-2.5		1452		X							X	X	X		-16/17
DB-TP22S0-1.0-1.5		SS	1.0-1.5		1104	3	X							X	X	X		-18/19

Chain of Custody Page 1 of 3

Pace Analytical®

L1397119

12065 Lebanon Rd Mount Juliet, TN 37122

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SDG # E143

Ta

Acctnum: STANTECLWA

Template: T193986

Prelogin: P868735

PM: 546 - Jared Starkey

PB:

Shipped Via:

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier

Tracking # 5217 3314 5330 1336 2 1335 1

Sample Receipt Checklist

COC Seal Present/Intact:	NP Y N
COC Signed/Accurate:	Y N
Bottles arrive intact:	Y N
Correct bottles used:	Y N
Sufficient volume sent:	Y N
If Applicable	
VOA Zero Headspace:	Y N
Preservation Correct/Checked:	Y N
RAD Screen <0.5 mR/hr:	Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
	8/31/21	1300	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)

Trip Blank Received: Yes / No (0) HCL / MeoH TBR

Temp: 5.6 °C 5.6 Bottles Received: 64

Date: 9/1/21 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Stantec - Lynnwood, WA

4100 194th Street SW
Suite 400
Lvnnwood. WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to:
Cyrus Gorman

Email To:
Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description:
Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: **425-599-9302**

Client Project #
185705581

Lab Project #
STANTECLWA-DAYBREAK

Collected by (print):
N Bellus/A. Wisner

Site/Facility ID #

P.O. #

Collected by (signature):
Nina Bellus

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres (Percent Solids)	Remarks	Sample # (lab only)
DB-TP23SO-0.0-1.0	GRAB	SS	0.0-1.0	8/30/2021	1138	2	X							X	X	X	Hold	-20
DB-TP24SO-0.0-1.0		SS	0.0-1.0		1024	3	X							X	X	X	TCLP	-21/-2
DB-TP24SO-2.5-3.0		SS	2.5-3.0		1017	3	X							X	X	X		-23/-2
DB-TP25SO-0.0-1.0		SS	0.0-1.0		1052	3	X							X	X	X		-25/-2
DB-TP25SO-4.5-5.0		SS	4.5-5.0		1045	3	X							X	X	X		-27/-2
DB-TP26SO-0.0-1.0		SS	0.0-1.0		1154	2	X							X	X	X		-29/-3
DB-TP26SO-2.0-2.5		SS	2.0-2.5		1137	2	X							X	X	X		-31/-3
DB-TP27SO-1.0-1.5		SS	1.0-1.5		1126	2	X							X	X	X		-33/-3
DB-TP28SO-0.0-1.0		SS	0.0-1.0		1218	2	X							X	X	X		-35/-3
DB-TP28SO-2.5-3.0		SS	2.5-3.0		1227	2	X							X	X	X		-37/-3

Chain of Custody Page 2 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122
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SDG # L1397919

Table #

Acctnum: **STANTECLWA**

Template: **T193986**

Prelogin: **P868735**

PM: **546 - Jared Starkey**

PB:

Shipped Via:

* Matrix:
SS - Soil **AIR** - Air **F** - Filter
GW - Groundwater **B** - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Samples returned via:
__ UPS __ FedEx __ Courier ____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	8/31/21	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)			Received by: (Signature)	Temp: 5.6 °C Bottles Received: 64
Relinquished by : (Signature)			Received for lab by: (Signature)	Date: 9/1/21 Time: 9:30

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

Company Name/Address:
Stantec - Lynnwood, WA
4100 194th Street SW
Suite 400
Lynnwood. WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to:
Cyrus Gorman

Email To:
Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description:
Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: 425-599-9302

Client Project #
185705581

Lab Project #
STANTECLWA-DAYBREAK

Collected by (print):
N.Bellos/A.Wisher

Site/Facility ID #

P.O. #

Collected by (signature):
Nena Bellos

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

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SDG # L1391919

Table # L1391919

Acctnum: STANTECLWA

Template: T193986

Prelogin: P868735

PM: 546 - Jared Starkey

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres (Percent Solids)	Remarks	Sample # (lab only)
DB-TP29SO-0.0-1.0	GRAB	SS	0.0-1.0	8/30/2021	1118	6	X							X	X	X	MS/MSD	-39/-40
DB-TP30SO-0.0-1.0		SS	0.0-1.0		1232	3	X							X	X	X	Hold	-41
DB-TP31SO-0.0-1.0		SS	0.0-1.0		1209	2	X							X	X	X	TCLP	-42/-43
DB-TP32SO-0.0-1.0		SS	0.0-1.0		0943	3	X							X	X	X		-44/-45
DB-TP32SO-2.0-3.0		SS	2.0-3.0		0943	3	X							X	X	X		-46/-47
DB-FD01		SS			1200	3	X							X	X	X		-48/-49
DB-FD02		~~SS~~ GW			1200	3	X							X	X	X		-50/-51
DB-FD03		~~SS~~ GW			1200	2	X							X	X	X		-52/-53
DB-EB01GW		GW			1600	3	X						X					-54

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier

Tracking #

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	8/31/21	1300		✓	
Relinquished by : (Signature)	Date:	Time:	Received by: (Signature)	Temp 2.9+0.2=2.9 °C Bottles Received: 64	
Relinquished by : (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/1/21 Time: 4:30	Hold: / Condition: NCF / OK

ANALYTICAL REPORT

September 10, 2021

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Stantec - Lynnwood, WA

Sample Delivery Group:	L1397929
Samples Received:	09/01/2021
Project Number:	
Description:	Daybreak Youth Services Property

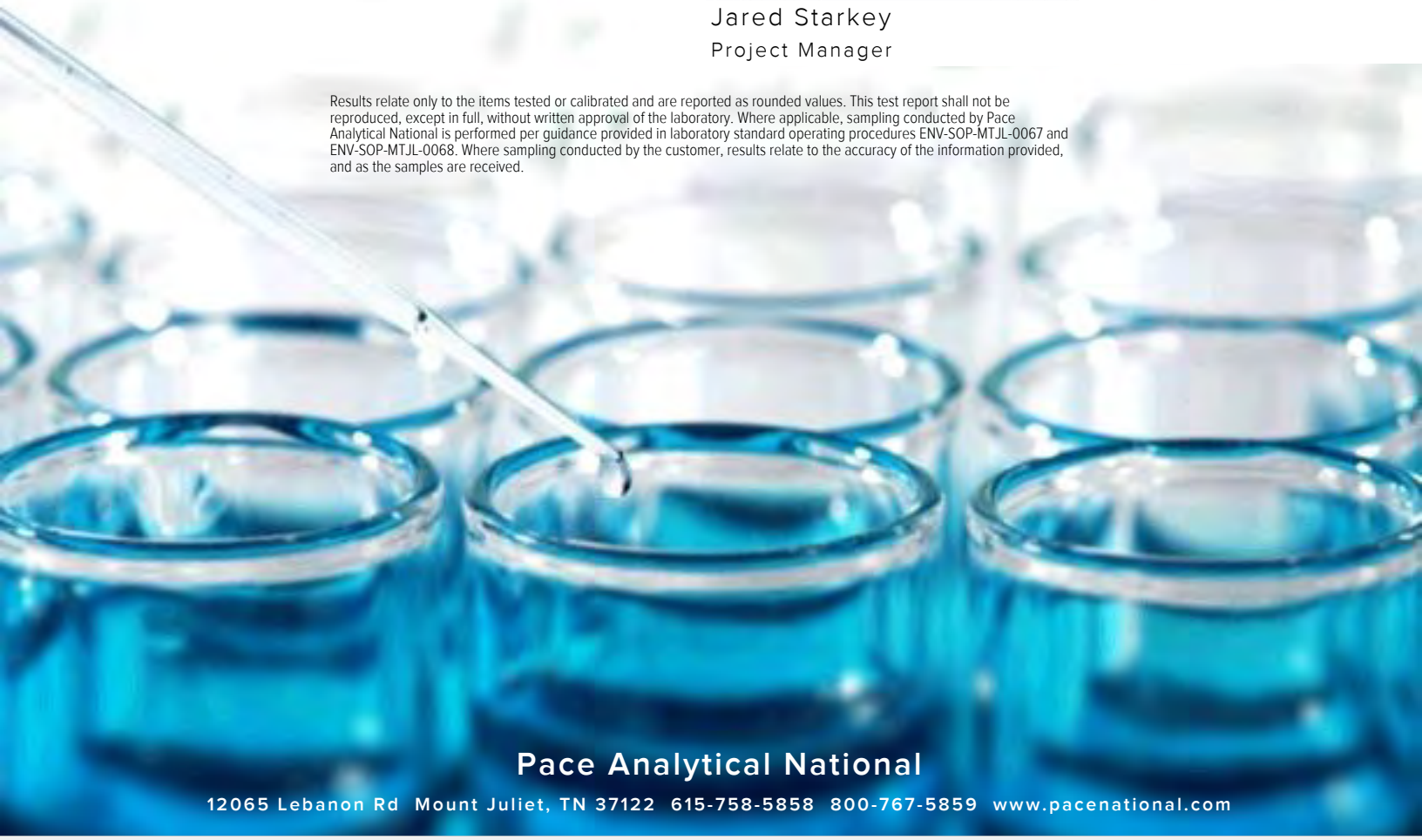
Report To:

Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Entire Report Reviewed By:

Jared Starkey
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

OB-IDWSO-01 L1397929-01 Solid

Collected by: NB/AW
Collected date/time: 08/30/21 16:30
Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1736121	1	09/08/21 08:25	09/08/21 08:31	KDW	Mt. Juliet, TN
Mercury by Method 7471B	WG1734311	1	09/02/21 20:35	09/03/21 10:14	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1734481	1	09/03/21 13:23	09/06/21 13:16	CCE	Mt. Juliet, TN

OB-IDWSO-01 L1397929-02 Waste

Collected by: NB/AW
Collected date/time: 08/30/21 16:30
Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Preparation by Method 1311	WG1736194	1	09/07/21 16:53	09/07/21 16:53	IDW	Mt. Juliet, TN
Mercury by Method 7470A	WG1736845	1	09/08/21 13:07	09/09/21 09:59	ABL	Mt. Juliet, TN
Metals (ICP) by Method 6010D	WG1736882	1	09/08/21 16:42	09/08/21 20:09	KMG	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Jared Starkey
Project Manager

Metals (ICP) by Method 6010D

The sample concentration is too high to evaluate accurate spike recoveries.

Batch	Lab Sample ID	Analytes
WG1734481	(MS) R3700901-5, (MSD) R3700901-6	Barium

The sample matrix interfered with the ability to make any accurate determination; spike value is low.

Batch	Lab Sample ID	Analytes
WG1734481	(MS) R3700901-5, (MSD) R3700901-6	Lead

DETECTION SUMMARY

Mercury by Method 7471B

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
OB-IDWSO-01	L1397929-01	Mercury	0.0646		0.0183	0.0407	1	09/03/2021 10:14	WG1734311

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
			mg/kg		mg/kg	mg/kg		date / time	
OB-IDWSO-01	L1397929-01	Arsenic	5.47		0.527	2.04	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Barium	113		0.0867	0.509	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Cadmium	0.222	J	0.0480	0.509	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Chromium	18.6		0.135	1.02	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Copper	21.8		0.407	2.04	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Lead	60.0		0.212	0.509	1	09/06/2021 13:16	WG1734481
OB-IDWSO-01	L1397929-01	Zinc	92.6		0.847	5.09	1	09/06/2021 13:16	WG1734481

Metals (ICP) by Method 6010D

Client ID	Lab Sample ID	Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis	Batch
			mg/l		mg/l	mg/l		date / time	
OB-IDWSO-01	L1397929-02	Barium	0.536		0.100	100	1	09/08/2021 20:09	WG1736882

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	98.2		1	09/08/2021 08:31	WG1736121

Mercury by Method 7471B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Mercury	0.0646		0.0183	0.0407	1	09/03/2021 10:14	WG1734311

Metals (ICP) by Method 6010D

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Arsenic	5.47		0.527	2.04	1	09/06/2021 13:16	WG1734481
Barium	113		0.0867	0.509	1	09/06/2021 13:16	WG1734481
Cadmium	0.222	J	0.0480	0.509	1	09/06/2021 13:16	WG1734481
Chromium	18.6		0.135	1.02	1	09/06/2021 13:16	WG1734481
Copper	21.8		0.407	2.04	1	09/06/2021 13:16	WG1734481
Lead	60.0		0.212	0.509	1	09/06/2021 13:16	WG1734481
Selenium	U		0.778	2.04	1	09/06/2021 13:16	WG1734481
Silver	U		0.129	1.02	1	09/06/2021 13:16	WG1734481
Zinc	92.6		0.847	5.09	1	09/06/2021 13:16	WG1734481

Preparation by Method 1311

Analyte	Result	Qualifier	Prep date / time	Batch
TCLP Extraction	-		9/7/2021 4:53:20 PM	WG1736194
Fluid	1		9/7/2021 4:53:20 PM	WG1736194
Initial pH	8.96		9/7/2021 4:53:20 PM	WG1736194
Final pH	5.15		9/7/2021 4:53:20 PM	WG1736194

Mercury by Method 7470A

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Mercury	ND		0.0100	0.20	1	09/09/2021 09:59	WG1736845

Metals (ICP) by Method 6010D

Analyte	Result	Qualifier	RDL	Limit	Dilution	Analysis date / time	Batch
	mg/l		mg/l	mg/l			
Arsenic	ND		0.100	5	1	09/08/2021 20:09	WG1736882
Barium	0.536		0.100	100	1	09/08/2021 20:09	WG1736882
Cadmium	ND		0.100	1	1	09/08/2021 20:09	WG1736882
Chromium	ND		0.100	5	1	09/08/2021 20:09	WG1736882
Lead	ND		0.100	5	1	09/08/2021 20:09	WG1736882
Selenium	ND		0.100	1	1	09/08/2021 20:09	WG1736882
Silver	ND		0.100	5	1	09/08/2021 20:09	WG1736882

Method Blank (MB)

(MB) R3702025-1 09/08/21 08:31

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1397929-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1397929-01 09/08/21 08:31 • (DUP) R3702025-3 09/08/21 08:31

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	98.2	98.1	1	0.134		10

Laboratory Control Sample (LCS)

(LCS) R3702025-2 09/08/21 08:31

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3702150-1 09/09/21 09:37

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Mercury	U		0.00330	0.0100

Laboratory Control Sample (LCS)

(LCS) R3702150-2 09/09/21 09:39

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.0300	0.0328	109	80.0-120	

L1395588-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1395588-02 09/09/21 09:41 • (MS) R3702150-3 09/09/21 09:43 • (MSD) R3702150-4 09/09/21 09:47

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.0300	ND	0.0307	0.0319	102	106	1	75.0-125			3.81	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3700028-1 09/03/21 10:02

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Mercury	U		0.0180	0.0400

Laboratory Control Sample (LCS)

(LCS) R3700028-2 09/03/21 10:04

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Mercury	0.500	0.516	103	80.0-120	

L1397961-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397961-13 09/03/21 10:07 • (MS) R3700028-3 09/03/21 10:09 • (MSD) R3700028-4 09/03/21 10:12

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Mercury	0.500	U	0.463	0.487	92.6	97.4	1	75.0-125			5.01	20

1 Cp
2 Tc
3 Ss
4 Cn
5 Ds
6 Sr
7 Qc
8 Gl
9 Al
10 Sc

Method Blank (MB)

(MB) R3700901-1 09/06/21 12:10

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Arsenic	U		0.518	2.00
Barium	U		0.0852	0.500
Cadmium	U		0.0471	0.500
Chromium	U		0.133	1.00
Copper	U		0.400	2.00
Lead	U		0.208	0.500
Selenium	U		0.764	2.00
Silver	U		0.127	1.00
Zinc	1.11	J	0.832	5.00

Laboratory Control Sample (LCS)

(LCS) R3700901-2 09/06/21 12:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	100	96.3	96.3	80.0-120	
Barium	100	98.1	98.1	80.0-120	
Cadmium	100	94.5	94.5	80.0-120	
Chromium	100	96.7	96.7	80.0-120	
Copper	100	99.2	99.2	80.0-120	
Lead	100	99.0	99.0	80.0-120	
Selenium	100	97.6	97.6	80.0-120	
Silver	20.0	17.4	86.8	80.0-120	
Zinc	100	95.1	95.1	80.0-120	

L1397326-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397326-03 09/06/21 12:15 • (MS) R3700901-5 09/06/21 12:23 • (MSD) R3700901-6 09/06/21 12:26

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	100	5.05	108	93.1	103	88.0	1	75.0-125			15.2	20
Barium	100	906	264	292	0.000	0.000	1	75.0-125	V	V	10.1	20
Cadmium	100	U	104	90.5	104	90.5	1	75.0-125			14.3	20
Chromium	100	21.1	133	123	112	102	1	75.0-125			7.80	20
Copper	100	8.26	119	104	110	95.3	1	75.0-125			13.5	20
Lead	100	88.3	122	113	33.2	24.5	1	75.0-125	J6	J6	7.46	20
Selenium	100	5.15	108	92.3	103	87.2	1	75.0-125			15.9	20
Silver	20.0	U	19.0	16.5	95.1	82.7	1	75.0-125			14.0	20
Zinc	100	21.1	123	109	102	88.1	1	75.0-125			11.9	20

Method Blank (MB)

(MB) R3701939-1 09/08/21 19:42

Analyte	MB Result mg/l	MB Qualifier	MB MDL mg/l	MB RDL mg/l
Arsenic	U		0.0333	0.100
Barium	U		0.0333	0.100
Cadmium	U		0.0333	0.100
Chromium	U		0.0333	0.100
Lead	U		0.0333	0.100
Selenium	U		0.0333	0.100
Silver	U		0.0333	0.100

Laboratory Control Sample (LCS)

(LCS) R3701939-2 09/08/21 19:45

Analyte	Spike Amount mg/l	LCS Result mg/l	LCS Rec. %	Rec. Limits %	LCS Qualifier
Arsenic	10.0	9.56	95.6	80.0-120	
Barium	10.0	9.61	96.1	80.0-120	
Cadmium	10.0	9.55	95.5	80.0-120	
Chromium	10.0	9.24	92.4	80.0-120	
Lead	10.0	9.51	95.1	80.0-120	
Selenium	10.0	9.86	98.6	80.0-120	
Silver	2.00	1.70	84.9	80.0-120	

L1397610-21 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1397610-21 09/08/21 19:48 • (MS) R3701939-4 09/08/21 19:54 • (MSD) R3701939-5 09/08/21 19:57

Analyte	Spike Amount mg/l	Original Result mg/l	MS Result mg/l	MSD Result mg/l	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Arsenic	10.0	ND	9.59	9.43	95.9	94.3	1	75.0-125			1.71	20
Barium	10.0	0.823	10.3	10.3	94.7	94.3	1	75.0-125			0.368	20
Cadmium	10.0	ND	9.48	9.44	94.8	94.4	1	75.0-125			0.487	20
Chromium	10.0	ND	9.21	9.20	92.1	92.0	1	75.0-125			0.148	20
Lead	10.0	ND	9.48	9.45	94.4	94.1	1	75.0-125			0.283	20
Selenium	10.0	ND	9.93	9.78	99.3	97.8	1	75.0-125			1.52	20
Silver	2.00	ND	1.70	1.70	84.8	85.1	1	75.0-125			0.386	20

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
ND	Not detected at the Reporting Limit (or MDL where applicable).
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
J6	The sample matrix interfered with the ability to make any accurate determination; spike value is low.
V	The sample concentration is too high to evaluate accurate spike recoveries.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LAO000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Stantec - Lynnwood, WA

4100 194th Street SW
Suite 400
Lynnwood. WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to:
Cyrus Gorman

Email To:
Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description:
Daybreak Youth Services Property

City/State Collected: **Spokane, WA**

Please Circle: (PT) MT CT ET

Phone: **425-599-9302**

Client Project #

Lab Project #
STANTECLWA-DAYBREAK

Collected by (print):
N. Bellus/A. Wisher

Site/Facility ID #

P.O. #

Collected by (signature):
Immediately Packed on Ice N___ Y✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Date Results Needed

Quote #

Analysis / Container / Preservative

Chain of Custody Page 1 of 1

Pace Analytical®

12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1357929

E144

Acctnum: **STANTECLWA**
Template: **T193986**
Prelogin: **P868735**
PM: **546 - Jared Starkey**
PB:
Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres ~~ACLA & +Zn Cl~~	Remarks	Sample # (lab only)
DB-IDW50-01	GRAB	SS		8/30/2021	1630	2									X	X		-01-02
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																
		SS																

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other_____

Remarks:

pH _____ Temp _____
Flow _____ Other _____

Samples returned via:
__ UPS __ FedEx __ Courier _____

Tracking #

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y N
COC Signed/Accurate:		Y N
Bottles arrive intact:		Y N
Correct bottles used:		Y N
Sufficient volume sent:		Y N
If Applicable		
VOA Zero Headspace:		Y N
Preservation Correct/Checked:		Y N
RAD Screen <0.5 mR/hr:		Y N

	Date:	Time:		
Relinquished by : (Signature)	8/31/21	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by : (Signature)			Received by: (Signature)	Temp: 1.9-.1=1.8 °C Bottles Received: 2 — If preservation required by Login: Date/Time
Relinquished by : (Signature)			Received for lab by: (Signature)	Date: 9/1/21 Time: 9:30 — Hold: — Condition: NCF / OK

ANALYTICAL REPORT

October 04, 2021

Stantec - Lynnwood, WA

Sample Delivery Group:	L1406018
Samples Received:	09/01/2021
Project Number:	185705581
Description:	Daybreak Youth Services Property

Report To: Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Entire Report Reviewed By:

Kelly Mercer
Project Manager

Pace Analytical National
12065 Lebanon Rd Mount Juliet, TN 37122 615-758-5858 800-767-5859 www.pacenational.com

TABLE OF CONTENTS

SAMPLE SUMMARY

DB-SB01SO-0.0-0.5 L1406018-01 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 13:50 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1745050	1	09/23/21 13:31	09/23/21 13:36	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1746123	5	09/25/21 08:55	09/26/21 20:24	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1749095	1	10/01/21 22:02	10/02/21 17:46	BJP	Mt. Juliet, TN

DB-TP23SO-0.0-1.0 L1406018-02 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 11:38 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1745050	1	09/23/21 13:31	09/23/21 13:36	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1746123	5	09/25/21 08:55	09/26/21 20:34	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1749095	1	10/01/21 22:02	10/02/21 16:07	BJP	Mt. Juliet, TN

DB-TP30SO-0.0-1.0 L1406018-03 Solid

Collected by: NB/AW | Collected date/time: 08/30/21 12:32 | Received date/time: 09/01/21 09:30

Method	Batch	Dilution	Preparation date/time	Analysis date/time	Analyst	Location
Total Solids by Method 2540 G-2011	WG1745050	1	09/23/21 13:31	09/23/21 13:36	KDW	Mt. Juliet, TN
Metals (ICPMS) by Method 6020B	WG1746123	5	09/25/21 08:55	09/26/21 20:38	LD	Mt. Juliet, TN
Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM	WG1749095	1	10/01/21 22:02	10/02/21 16:27	BJP	Mt. Juliet, TN

CASE NARRATIVE

Unless qualified or notated within the narrative below, all sample aliquots were received at the correct temperature, in the proper containers, with the appropriate preservatives, and within method specified holding times. Where applicable, all MDL (LOD) and RDL (LOQ) values reported for environmental samples have been corrected for the dilution factor used in the analysis. All Method and Batch Quality Control are within established criteria except where addressed in this case narrative, a non-conformance form or properly qualified within the sample results. By my digital signature below, I affirm to the best of my knowledge, all problems/anomalies observed by the laboratory as having the potential to affect the quality of the data have been identified by the laboratory, and no information or data have been knowingly withheld that would affect the quality of the data.

Kelly Mercer
Project Manager

Sample Delivery Group (SDG) Narrative

The following samples were prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.

Batch	Method	Lab Sample ID
WG1749095	8270E-SIM	L1406018-01, 02, 03

DETECTION SUMMARY

Metals (ICPMS) by Method 6020B

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB01SO-0.0-0.5	L1406018-01	Cadmium	0.110	J	0.0957	1.12	5	09/26/2021 20:24	WG1746123
DB-SB01SO-0.0-0.5	L1406018-01	Lead	16.5		0.111	2.24	5	09/26/2021 20:24	WG1746123
DB-TP23SO-0.0-1.0	L1406018-02	Cadmium	0.312	J	0.0884	1.03	5	09/26/2021 20:34	WG1746123
DB-TP23SO-0.0-1.0	L1406018-02	Lead	118		0.102	2.07	5	09/26/2021 20:34	WG1746123
DB-TP30SO-0.0-1.0	L1406018-03	Cadmium	1.53		0.0908	1.06	5	09/26/2021 20:38	WG1746123
DB-TP30SO-0.0-1.0	L1406018-03	Lead	123		0.105	2.12	5	09/26/2021 20:38	WG1746123

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Client ID	Lab Sample ID	Analyte	Result (dry) mg/kg	Qualifier	MDL (dry) mg/kg	RDL (dry) mg/kg	Dilution	Analysis date / time	Batch
DB-SB01SO-0.0-0.5	L1406018-01	Benzo(a)anthracene	0.00589	J T8	0.00194	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Benzo(a)pyrene	0.00977	T8	0.00200	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Benzo(b)fluoranthene	0.00935	T8	0.00171	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Benzo(g,h,i)perylene	0.0148	T8	0.00198	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Benzo(k)fluoranthene	0.00254	J T8	0.00241	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Chrysene	0.00649	J T8	0.00260	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Dibenz(a,h)anthracene	0.00280	J T8	0.00193	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Fluoranthene	0.00543	J T8	0.00254	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Indeno(1,2,3-cd)pyrene	0.00714	T8	0.00203	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Phenanthrene	0.00360	J T8	0.00259	0.00672	1	10/02/2021 17:46	WG1749095
DB-SB01SO-0.0-0.5	L1406018-01	Pyrene	0.0102	T8	0.00224	0.00672	1	10/02/2021 17:46	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Anthracene	0.0144	T8	0.00238	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Acenaphthene	0.00282	J T8	0.00216	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Acenaphthylene	0.00760	T8	0.00223	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Benzo(a)anthracene	0.0982	T8	0.00179	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Benzo(a)pyrene	0.114	T8	0.00185	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Benzo(b)fluoranthene	0.129	T8	0.00158	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Benzo(g,h,i)perylene	0.0818	T8	0.00183	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Benzo(k)fluoranthene	0.0559	T8	0.00222	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Chrysene	0.109	T8	0.00240	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Dibenz(a,h)anthracene	0.0161	T8	0.00178	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Fluoranthene	0.189	T8	0.00235	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Fluorene	0.00250	J T8	0.00212	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Indeno(1,2,3-cd)pyrene	0.0840	T8	0.00187	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Naphthalene	0.00589	J T8	0.00422	0.0207	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Phenanthrene	0.0881	T8	0.00239	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	Pyrene	0.211	T8	0.00207	0.00621	1	10/02/2021 16:07	WG1749095
DB-TP23SO-0.0-1.0	L1406018-02	2-Methylnaphthalene	0.00546	J T8	0.00442	0.0207	1	10/02/2021 16:07	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Benzo(a)anthracene	0.0218	T8	0.00184	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Benzo(a)pyrene	0.0238	T8	0.00190	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Benzo(b)fluoranthene	0.0284	T8	0.00162	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Benzo(g,h,i)perylene	0.0210	T8	0.00188	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Benzo(k)fluoranthene	0.0104	T8	0.00228	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Chrysene	0.0276	T8	0.00246	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Dibenz(a,h)anthracene	0.00375	J T8	0.00183	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Fluoranthene	0.0281	T8	0.00241	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Indeno(1,2,3-cd)pyrene	0.0198	T8	0.00192	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Phenanthrene	0.0102	T8	0.00245	0.00637	1	10/02/2021 16:27	WG1749095
DB-TP30SO-0.0-1.0	L1406018-03	Pyrene	0.0432	T8	0.00212	0.00637	1	10/02/2021 16:27	WG1749095

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	89.3		1	09/23/2021 13:36	WG1745050

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.110	J	0.0957	1.12	5	09/26/2021 20:24	WG1746123
Lead	16.5		0.111	2.24	5	09/26/2021 20:24	WG1746123

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U	T8	0.00257	0.00672	1	10/02/2021 17:46	WG1749095
Acenaphthene	U	T8	0.00234	0.00672	1	10/02/2021 17:46	WG1749095
Acenaphthylene	U	T8	0.00242	0.00672	1	10/02/2021 17:46	WG1749095
Benzo(a)anthracene	0.00589	J T8	0.00194	0.00672	1	10/02/2021 17:46	WG1749095
Benzo(a)pyrene	0.00977	T8	0.00200	0.00672	1	10/02/2021 17:46	WG1749095
Benzo(b)fluoranthene	0.00935	T8	0.00171	0.00672	1	10/02/2021 17:46	WG1749095
Benzo(g,h,i)perylene	0.0148	T8	0.00198	0.00672	1	10/02/2021 17:46	WG1749095
Benzo(k)fluoranthene	0.00254	J T8	0.00241	0.00672	1	10/02/2021 17:46	WG1749095
Chrysene	0.00649	J T8	0.00260	0.00672	1	10/02/2021 17:46	WG1749095
Dibenz(a,h)anthracene	0.00280	J T8	0.00193	0.00672	1	10/02/2021 17:46	WG1749095
Fluoranthene	0.00543	J T8	0.00254	0.00672	1	10/02/2021 17:46	WG1749095
Fluorene	U	T8	0.00229	0.00672	1	10/02/2021 17:46	WG1749095
Indeno(1,2,3-cd)pyrene	0.00714	T8	0.00203	0.00672	1	10/02/2021 17:46	WG1749095
Naphthalene	U	T8	0.00457	0.0224	1	10/02/2021 17:46	WG1749095
Phenanthrene	0.00360	J T8	0.00259	0.00672	1	10/02/2021 17:46	WG1749095
Pyrene	0.0102	T8	0.00224	0.00672	1	10/02/2021 17:46	WG1749095
1-Methylnaphthalene	U	T8	0.00503	0.0224	1	10/02/2021 17:46	WG1749095
2-Methylnaphthalene	U	T8	0.00478	0.0224	1	10/02/2021 17:46	WG1749095
2-Chloronaphthalene	U	T8	0.00522	0.0224	1	10/02/2021 17:46	WG1749095
(S) Nitrobenzene-d5	*63.9*			*14.0-149*		*10/02/2021 17:46*	WG1749095
(S) 2-Fluorobiphenyl	*59.4*			*34.0-125*		*10/02/2021 17:46*	WG1749095
(S) p-Terphenyl-d14	*88.4*			*23.0-120*		*10/02/2021 17:46*	WG1749095

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	96.7		1	09/23/2021 13:36	WG1745050

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	0.312	J	0.0884	1.03	5	09/26/2021 20:34	WG1746123
Lead	118		0.102	2.07	5	09/26/2021 20:34	WG1746123

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	0.0144	T8	0.00238	0.00621	1	10/02/2021 16:07	WG1749095
Acenaphthene	0.00282	J T8	0.00216	0.00621	1	10/02/2021 16:07	WG1749095
Acenaphthylene	0.00760	T8	0.00223	0.00621	1	10/02/2021 16:07	WG1749095
Benzo(a)anthracene	0.0982	T8	0.00179	0.00621	1	10/02/2021 16:07	WG1749095
Benzo(a)pyrene	0.114	T8	0.00185	0.00621	1	10/02/2021 16:07	WG1749095
Benzo(b)fluoranthene	0.129	T8	0.00158	0.00621	1	10/02/2021 16:07	WG1749095
Benzo(g,h,i)perylene	0.0818	T8	0.00183	0.00621	1	10/02/2021 16:07	WG1749095
Benzo(k)fluoranthene	0.0559	T8	0.00222	0.00621	1	10/02/2021 16:07	WG1749095
Chrysene	0.109	T8	0.00240	0.00621	1	10/02/2021 16:07	WG1749095
Dibenz(a,h)anthracene	0.0161	T8	0.00178	0.00621	1	10/02/2021 16:07	WG1749095
Fluoranthene	0.189	T8	0.00235	0.00621	1	10/02/2021 16:07	WG1749095
Fluorene	0.00250	J T8	0.00212	0.00621	1	10/02/2021 16:07	WG1749095
Indeno(1,2,3-cd)pyrene	0.0840	T8	0.00187	0.00621	1	10/02/2021 16:07	WG1749095
Naphthalene	0.00589	J T8	0.00422	0.0207	1	10/02/2021 16:07	WG1749095
Phenanthrene	0.0881	T8	0.00239	0.00621	1	10/02/2021 16:07	WG1749095
Pyrene	0.211	T8	0.00207	0.00621	1	10/02/2021 16:07	WG1749095
1-Methylnaphthalene	U	T8	0.00464	0.0207	1	10/02/2021 16:07	WG1749095
2-Methylnaphthalene	0.00546	J T8	0.00442	0.0207	1	10/02/2021 16:07	WG1749095
2-Chloronaphthalene	U	T8	0.00482	0.0207	1	10/02/2021 16:07	WG1749095
(S) Nitrobenzene-d5	*58.1*			*14.0-149*		*10/02/2021 16:07*	WG1749095
(S) 2-Fluorobiphenyl	*65.4*			*34.0-125*		*10/02/2021 16:07*	WG1749095
(S) p-Terphenyl-d14	*92.3*			*23.0-120*		*10/02/2021 16:07*	WG1749095

Total Solids by Method 2540 G-2011

Analyte	Result	Qualifier	Dilution	Analysis	Batch
	%			date / time	
Total Solids	94.2		1	09/23/2021 13:36	WG1745050

Metals (ICPMS) by Method 6020B

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Cadmium	1.53		0.0908	1.06	5	09/26/2021 20:38	WG1746123
Lead	123		0.105	2.12	5	09/26/2021 20:38	WG1746123

Semi Volatile Organic Compounds (GC/MS) by Method 8270E-SIM

Analyte	Result (dry)	Qualifier	MDL (dry)	RDL (dry)	Dilution	Analysis	Batch
	mg/kg		mg/kg	mg/kg		date / time	
Anthracene	U	T8	0.00244	0.00637	1	10/02/2021 16:27	WG1749095
Acenaphthene	U	T8	0.00222	0.00637	1	10/02/2021 16:27	WG1749095
Acenaphthylene	U	T8	0.00229	0.00637	1	10/02/2021 16:27	WG1749095
Benzo(a)anthracene	0.0218	T8	0.00184	0.00637	1	10/02/2021 16:27	WG1749095
Benzo(a)pyrene	0.0238	T8	0.00190	0.00637	1	10/02/2021 16:27	WG1749095
Benzo(b)fluoranthene	0.0284	T8	0.00162	0.00637	1	10/02/2021 16:27	WG1749095
Benzo(g,h,i)perylene	0.0210	T8	0.00188	0.00637	1	10/02/2021 16:27	WG1749095
Benzo(k)fluoranthene	0.0104	T8	0.00228	0.00637	1	10/02/2021 16:27	WG1749095
Chrysene	0.0276	T8	0.00246	0.00637	1	10/02/2021 16:27	WG1749095
Dibenz(a,h)anthracene	0.00375	J T8	0.00183	0.00637	1	10/02/2021 16:27	WG1749095
Fluoranthene	0.0281	T8	0.00241	0.00637	1	10/02/2021 16:27	WG1749095
Fluorene	U	T8	0.00218	0.00637	1	10/02/2021 16:27	WG1749095
Indeno(1,2,3-cd)pyrene	0.0198	T8	0.00192	0.00637	1	10/02/2021 16:27	WG1749095
Naphthalene	U	T8	0.00433	0.0212	1	10/02/2021 16:27	WG1749095
Phenanthrene	0.0102	T8	0.00245	0.00637	1	10/02/2021 16:27	WG1749095
Pyrene	0.0432	T8	0.00212	0.00637	1	10/02/2021 16:27	WG1749095
1-Methylnaphthalene	U	T8	0.00477	0.0212	1	10/02/2021 16:27	WG1749095
2-Methylnaphthalene	U	T8	0.00453	0.0212	1	10/02/2021 16:27	WG1749095
2-Chloronaphthalene	U	T8	0.00495	0.0212	1	10/02/2021 16:27	WG1749095
(S) Nitrobenzene-d5	*61.0*			*14.0-149*		*10/02/2021 16:27*	WG1749095
(S) 2-Fluorobiphenyl	*62.7*			*34.0-125*		*10/02/2021 16:27*	WG1749095
(S) p-Terphenyl-d14	*81.4*			*23.0-120*		*10/02/2021 16:27*	WG1749095

Method Blank (MB)

(MB) R3708225-1 09/23/21 13:36

Analyte	MB Result %	MB Qualifier	MB MDL %	MB RDL %
Total Solids	0.00200			

L1406018-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1406018-03 09/23/21 13:36 • (DUP) R3708225-3 09/23/21 13:36

Analyte	Original Result %	DUP Result %	Dilution	DUP RPD %	DUP Qualifier	DUP RPD Limits %
Total Solids	94.2	94.0	1	0.210		10

Laboratory Control Sample (LCS)

(LCS) R3708225-2 09/23/21 13:36

Analyte	Spike Amount %	LCS Result %	LCS Rec. %	Rec. Limits %	LCS Qualifier
Total Solids	50.0	50.0	100	85.0-115	

Method Blank (MB)

(MB) R3708874-1 09/26/21 19:16

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Cadmium	U		0.0855	1.00
Lead	U		0.0990	2.00

Laboratory Control Sample (LCS)

(LCS) R3708874-2 09/26/21 19:19

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Cadmium	100	91.5	91.5	80.0-120	
Lead	100	90.8	90.8	80.0-120	

L1405637-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1405637-01 09/26/21 19:22 • (MS) R3708874-5 09/26/21 19:32 • (MSD) R3708874-6 09/26/21 19:35

Analyte	Spike Amount mg/kg	Original Result mg/kg	MS Result mg/kg	MSD Result mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Cadmium	100	0.226	109	104	109	104	5	75.0-125			4.23	20
Lead	100	17.7	128	119	111	101	5	75.0-125			7.89	20

Method Blank (MB)

(MB) R3711825-2 10/02/21 10:32

Analyte	MB Result mg/kg	MB Qualifier	MB MDL mg/kg	MB RDL mg/kg
Anthracene	U		0.00230	0.00600
Acenaphthene	U		0.00209	0.00600
Acenaphthylene	U		0.00216	0.00600
Benzo(a)anthracene	U		0.00173	0.00600
Benzo(a)pyrene	U		0.00179	0.00600
Benzo(b)fluoranthene	U		0.00153	0.00600
Benzo(g,h,i)perylene	U		0.00177	0.00600
Benzo(k)fluoranthene	U		0.00215	0.00600
Chrysene	U		0.00232	0.00600
Dibenz(a,h)anthracene	U		0.00172	0.00600
Fluoranthene	U		0.00227	0.00600
Fluorene	U		0.00205	0.00600
Indeno(1,2,3-cd)pyrene	U		0.00181	0.00600
Naphthalene	U		0.00408	0.0200
Phenanthrene	U		0.00231	0.00600
Pyrene	U		0.00200	0.00600
1-Methylnaphthalene	U		0.00449	0.0200
2-Methylnaphthalene	U		0.00427	0.0200
2-Chloronaphthalene	U		0.00466	0.0200
(S) Nitrobenzene-d5	*80.5*			*14.0-149*
(S) 2-Fluorobiphenyl	*76.9*			*34.0-125*
(S) p-Terphenyl-d14	*105*			*23.0-120*

Laboratory Control Sample (LCS)

(LCS) R3711825-1 10/02/21 10:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Anthracene	0.0800	0.0668	83.5	50.0-126	
Acenaphthene	0.0800	0.0636	79.5	50.0-120	
Acenaphthylene	0.0800	0.0692	86.5	50.0-120	
Benzo(a)anthracene	0.0800	0.0661	82.6	45.0-120	
Benzo(a)pyrene	0.0800	0.0561	70.1	42.0-120	
Benzo(b)fluoranthene	0.0800	0.0648	81.0	42.0-121	
Benzo(g,h,i)perylene	0.0800	0.0600	75.0	45.0-125	
Benzo(k)fluoranthene	0.0800	0.0632	79.0	49.0-125	
Chrysene	0.0800	0.0657	82.1	49.0-122	
Dibenz(a,h)anthracene	0.0800	0.0620	77.5	47.0-125	
Fluoranthene	0.0800	0.0665	83.1	49.0-129	

Laboratory Control Sample (LCS)

(LCS) R3711825-1 10/02/21 10:12

Analyte	Spike Amount mg/kg	LCS Result mg/kg	LCS Rec. %	Rec. Limits %	LCS Qualifier
Fluorene	0.0800	0.0654	81.8	49.0-120	
Indeno(1,2,3-cd)pyrene	0.0800	0.0608	76.0	46.0-125	
Naphthalene	0.0800	0.0607	75.9	50.0-120	
Phenanthrene	0.0800	0.0668	83.5	47.0-120	
Pyrene	0.0800	0.0673	84.1	43.0-123	
1-Methylnaphthalene	0.0800	0.0616	77.0	51.0-121	
2-Methylnaphthalene	0.0800	0.0588	73.5	50.0-120	
2-Chloronaphthalene	0.0800	0.0618	77.3	50.0-120	
(S) Nitrobenzene-d5			*85.7*	*14.0-149*	
(S) 2-Fluorobiphenyl			*76.0*	*34.0-125*	
(S) p-Terphenyl-d14			*102*	*23.0-120*	

L1406664-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1406664-01 10/02/21 10:52 • (MS) R3711825-3 10/02/21 11:11 • (MSD) R3711825-4 10/02/21 11:31

Analyte	Spike Amount (dry) mg/kg	Original Result (dry) mg/kg	MS Result (dry) mg/kg	MSD Result (dry) mg/kg	MS Rec. %	MSD Rec. %	Dilution	Rec. Limits %	MS Qualifier	MSD Qualifier	RPD %	RPD Limits %
Anthracene	0.104	U	0.0579	0.0620	55.6	59.8	1	10.0-145			6.90	30
Acenaphthene	0.104	U	0.0533	0.0580	51.2	56.0	1	14.0-127			8.42	27
Acenaphthylene	0.104	U	0.0590	0.0644	56.6	62.1	1	21.0-124			8.72	25
Benzo(a)anthracene	0.104	U	0.0571	0.0611	54.8	58.9	1	10.0-139			6.77	30
Benzo(a)pyrene	0.104	U	0.0571	0.0605	54.8	58.4	1	10.0-141			5.86	31
Benzo(b)fluoranthene	0.104	U	0.0531	0.0551	50.9	53.2	1	10.0-140			3.82	36
Benzo(g,h,i)perylene	0.104	U	0.0549	0.0584	52.6	56.4	1	10.0-140			6.33	33
Benzo(k)fluoranthene	0.104	U	0.0589	0.0633	56.5	61.0	1	10.0-137			7.22	31
Chrysene	0.104	U	0.0629	0.0673	60.3	64.9	1	10.0-145			6.78	30
Dibenz(a,h)anthracene	0.104	U	0.0601	0.0635	57.7	61.3	1	10.0-132			5.57	31
Fluoranthene	0.104	U	0.0547	0.0566	52.5	54.7	1	10.0-153			3.47	33
Fluorene	0.104	U	0.0549	0.0580	52.6	56.0	1	11.0-130			5.62	29
Indeno(1,2,3-cd)pyrene	0.104	U	0.0527	0.0560	50.5	54.0	1	10.0-137			6.09	32
Naphthalene	0.104	U	0.0582	0.0645	55.8	62.2	1	10.0-135			10.3	27
Phenanthrene	0.104	U	0.0566	0.0587	54.4	56.6	1	10.0-144			3.58	31
Pyrene	0.104	U	0.0555	0.0572	53.3	55.2	1	10.0-148			2.93	35
1-Methylnaphthalene	0.104	U	0.0551	0.0601	52.9	58.0	1	10.0-142			8.61	28
2-Methylnaphthalene	0.104	U	0.0517	0.0572	49.6	55.2	1	10.0-137			10.1	28
2-Chloronaphthalene	0.104	U	0.0539	0.0580	51.7	56.0	1	29.0-120			7.39	24
(S) Nitrobenzene-d5					*70.8*	*75.4*		*14.0-149*				
(S) 2-Fluorobiphenyl					*48.5*	*61.7*		*34.0-125*				
(S) p-Terphenyl-d14					*72.7*	*80.1*		*23.0-120*				

GLOSSARY OF TERMS

Guide to Reading and Understanding Your Laboratory Report

The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

(dry)	Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].
MDL	Method Detection Limit.
MDL (dry)	Method Detection Limit.
RDL	Reported Detection Limit.
RDL (dry)	Reported Detection Limit.
Rec.	Recovery.
RPD	Relative Percent Difference.
SDG	Sample Delivery Group.
(S)	Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.
U	Not detected at the Reporting Limit (or MDL where applicable).
Analyte	The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.
Dilution	If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.
Limits	These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.
Original Sample	The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.
Qualifier	This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.
Result	The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state “ND” (Not Detected) or “BDL” (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte.
Uncertainty (Radiochemistry)	Confidence level of 2 sigma.
Case Narrative (Cn)	A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.
Quality Control Summary (Qc)	This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.
Sample Chain of Custody (Sc)	This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.
Sample Results (Sr)	This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.
Sample Summary (Ss)	This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.

Qualifier	Description
J	The identification of the analyte is acceptable; the reported value is an estimate.
T8	Sample(s) received past/too close to holding time expiration.

ACCREDITATIONS & LOCATIONS

Pace Analytical National 12065 Lebanon Rd Mount Juliet, TN 37122

Alabama	40660	Nebraska	NE-OS-15-05
Alaska	17-026	Nevada	TN000032021-1
Arizona	AZ0612	New Hampshire	2975
Arkansas	88-0469	New Jersey–NELAP	TN002
California	2932	New Mexico [1]	TN00003
Colorado	TN00003	New York	11742
Connecticut	PH-0197	North Carolina	Env375
Florida	E87487	North Carolina [1]	DW21704
Georgia	NELAP	North Carolina [3]	41
Georgia [1]	923	North Dakota	R-140
Idaho	TN00003	Ohio–VAP	CL0069
Illinois	200008	Oklahoma	9915
Indiana	C-TN-01	Oregon	TN200002
Iowa	364	Pennsylvania	68-02979
Kansas	E-10277	Rhode Island	LA000356
Kentucky [1 6]	KY90010	South Carolina	84004002
Kentucky [2]	16	South Dakota	n/a
Louisiana	AI30792	Tennessee [1 4]	2006
Louisiana	LA018	Texas	T104704245-20-18
Maine	TN00003	Texas [5]	LAB0152
Maryland	324	Utah	TN000032021-11
Massachusetts	M-TN003	Vermont	VT2006
Michigan	9958	Virginia	110033
Minnesota	047-999-395	Washington	C847
Mississippi	TN00003	West Virginia	233
Missouri	340	Wisconsin	998093910
Montana	CERT0086	Wyoming	A2LA
A2LA – ISO 17025	1461.01	AIHA-LAP,LLC EMLAP	100789
A2LA – ISO 17025 [5]	1461.02	DOD	1461.01
Canada	1461.01	USDA	P330-15-00234
EPA–Crypto	TN00003		

[1] Drinking Water [2] Underground Storage Tanks [3] Aquatic Toxicity [4] Chemical/Microbiological [5] Mold [6] Wastewater n/a Accreditation not applicable

* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace Analytical.

Company Name/Address:
Stantec - Lynnwood, WA
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to: Cyrus Gorman

Email To: Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description: Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: 425-599-9302

Client Project # 185705581

Lab Project # STANTECLWA-DAYBREAK

Collected by (print): N. Bellus/A. Wisner

Site/Facility ID #

P.O. #

Collected by (signature): Nina Bellus

Immediately Packed on Ice N ___ Y ___

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

No. of Cntrs

Analysis / Container / Preservative

Chain of Custody Page 1 of 3

Pace Analytical®
~~L139 7/19~~
12065 Lebanon Rd Mount Juliet, TN 37122
Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

BV 9/20/21

SDG # E143
TAT L1406018

Acctnum: STANTECLWA
Template: T193986
Prelogin: P868735
PM: 546 - Jared Starkey
PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	Percent Solids dry weight 4ozClr-NoPres	Remarks	Sample # (lab only)
DB-SB01SO-0.0-0.5	GRAB	SS	0.0-0.5	8/30/2021	1350	1	X							X	X	X	Hold	~~01~~ -01
DB-SB02SO-0.0-0.5		SS	0.0-0.5		1219	1	X							X	X	X	TCLP	~~02/03~~
DB-SB02SO-4.5-5.0		SS	4.5-5.0		1249	1	X							X	X	X		~~04/05~~
DB-SB03SO-0.5-1.0		SS	0.5-1.0		1030	1	X							X	X	X		~~06/07~~
DB-SB03SO-1.5-2.0		SS	1.5-2.0		1042	1	X							X	X	X		~~08/09~~
DB-SB04SO-0.5-1.0		SS	0.5-1.0		1127	1	X							X	X	X		~~10/11~~
DB-SB05SO-0.0-1.0		SS	0.0-1.0		1601	1	X							X	X	X		~~12/13~~
DB-SB06SO-0.0-0.5		SS	0.0-0.5		1447	1	X							X	X	X		~~14/15~~
DB-SB06SO-2.0-2.5		SS	2.0-2.5		1452	1	X							X	X	X		~~16/17~~
DB-TP22SO-1.0-1.5		SS	1.0-1.5		1104	3	X							X	X	X		~~18/19~~

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ___

Remarks:

pH ___ Temp ___
Flow ___ Other ___

Samples returned via:
__ UPS __ FedEx __ Courier ___

Tracking # 5217 3314533013362 (3551

Sample Receipt Checklist
COC Seal Present/Intact: __NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR	If preservation required by Login: Date/Time
	8/31/21	1300		0	
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp: 1312 °C 5.6 5.6 Bottles Received: 64	
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/1/21 Time: 9:30	Hold: Condition: NCF / OK

Company Name/Address:
Stantec - Lynnwood, WA

4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to: Cyrus Gorman

Email To: Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description: Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: 425-599-9302

Client Project # 185705581

Lab Project # STANTECLWA-DAYBREAK

Collected by (print): N Bellus/A. Wisner

Site/Facility ID #

P.O. #

Collected by (signature): Nrabellus

Immediately Packed on Ice N ___ Y V

Rush? (Lab MUST be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 2 of 2

Pace Analytical

12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of th Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1397119

Table # L1406018

Acctnum: STANTECLWA

Template: T193986

Prelogin: P868735

PM: 546 - Jared Starkey

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres Percent Solids	Remarks	Sample # (lab only)
DB-TP23SO-0.0-1.0	GRAB	SS	0.0-1.0	8/30/2021	1138	2	X							X	X	X	Hold	-20
DB-TP24SO-0.0-1.0		SS	0.0-1.0		1024	3	X							X	X	X	TCLP	-21
DB-TP24SO-2.5-3.0		SS	2.5-3.0		1017	3	X							X	X	X		-22
DB-TP25SO-0.0-1.0		SS	0.0-1.0		1052	3	X							X	X	X		-25
DB-TP25SO-4.5-5.0		SS	4.5-5.0		1045	3	X							X	X	X		-27
DB-TP26SO-0.0-1.0		SS	0.0-1.0		1154	2	X							X	X	X		-29
DB-TP26SO-2.0-2.5		SS	2.0-2.5		1137	2	X							X	X	X		-31
DB-TP27SO-1.0-1.5		SS	1.0-1.5		1126	2	X							X	X	X		-33
DB-TP28SO-0.0-1.0		SS	0.0-1.0		1218	2	X							X	X	X		-35
DB-TP28SO-2.5-3.0		SS	2.5-3.0		1227	2	X							X	X	X		-37

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ___

Remarks:

pH ___ Temp ___

Flow ___ Other ___

Sample Receipt Checklist
COC Seal Present/Intact: NP Y N
COC Signed/Accurate: Y N
Bottles arrive intact: Y N
Correct bottles used: Y N
Sufficient volume sent: Y N
If Applicable
VOA Zero Headspace: Y N
Preservation Correct/Checked: Y N
RAD Screen <0.5 mR/hr: Y N

Samples returned via: __ UPS __ FedEx __ Courier ___

Tracking #

Relinquished by: (Signature) — Date: 8/31/21 Time: 1300 — Received by: (Signature)

Relinquished by: (Signature) — Date: ___ Time: ___ — Received by: (Signature)

Relinquished by: (Signature) — Date: ___ Time: ___ — Received for lab by: (Signature)

Trip Blank Received: Yes / No (No) HCl / MeoH TBR

Temp: 5.6 °C Bottles Received: 6

Date: 9/1/21 Time: 9:30

If preservation required by Login: Date/Time

Hold:

Condition: NCF / OK

Company Name/Address:
Stantec - Lynnwood, WA
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Billing Information:
Cyrus Gorman
4100 194th Street SW
Suite 400
Lynnwood, WA 98036

Pres Chk

Report to: Cyrus Gorman

Email To: Cyrus.Gorman@stantec.com;sarah.vonraesfeld

Project Description: Daybreak Youth Services Property

City/State Collected: Spokane, WA

Please Circle: (PT) MT CT ET

Phone: 425-599-9302

Client Project # 185705581

Lab Project # STANTECLWA-DAYBREAK

Collected by (print): N.Bellus/A.Wisher

Site/Facility ID #

P.O. #

Collected by (signature): Nena Bellus

Immediately Packed on Ice N ___ Y ✓

Rush? (Lab MUST Be Notified)
___ Same Day ___ Five Day
___ Next Day ___ 5 Day (Rad Only)
___ Two Day ___ 10 Day (Rad Only)
___ Three Day

Quote #

Date Results Needed

Analysis / Container / Preservative

Chain of Custody Page 3 of 3

Pace Analytical®

L1406018

12065 Lebanon Rd Mount Juliet, TN 37122

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at: https://info.pacelabs.com/hubfs/pas-standard-terms.pdf

SDG # L1406018

Table # L139719

Acctnum: STANTECLWA

Template: T193986

Prelogin: P868735

PM: 546 - Jared Starkey

PB:

Shipped Via:

Sample ID	Comp/Grab	Matrix *	Depth	Date	Time	No. of Cntrs	Cd, Pb by 6020 4ozClr-NoPres	Metals 250mlHDPE-HNO3	NWTPHDXLVINOSGT 40mlAmb-HCl-BT	NWTPHDXNOSGT 4ozClr-NoPres	NWTPHGX 40mlAmb HCl	NWTPHGX 40mlAmb/MeOH10ml/Syr	PAHSIMLVID 40mlAmb-NoPres-WT	SV8270PAHSIMD 4ozClr-NoPres	TCLP Metals 16ozClr-NoPres	dry weight 4ozClr-NoPres percent solids	Remarks	Sample # (lab only)
DB-TP29SO-0.0-1.0	GRAB	SS	0.0-1.0	8/30/2021	1118	6	X							X	X	X	MS/MSD	-39/-40
DB-TP30SO-0.0-1.0		SS	0.0-1.0		1232	3	X							X	X	X	Hold	-41
DB-TP31SO-0.0-1.0		SS	0.0-1.0		1209	2	X							X	X	X	TCLP	-42/-43
DB-TP32SO-0.0-1.0		SS	0.0-1.0		0943	3	X							X	X	X		-44/-45
DB-TP32SO-2.0-3.0		SS	2.0-3.0		0943	3	X							X	X	X		-46/-47
DB-FD01SO (MS)		SS			1200	3	X							X	X	X		-48/-49
DB-FD02SO (MS)		SS GW			1200	3	X							X	X	X		-50/-51
DB-FD03		SS GW			1200	2	X							X	X	X		-52/-53
DB-EB01GW		GW			1600	3	X						X					-54

* Matrix:
SS - Soil AIR - Air F - Filter
GW - Groundwater B - Bioassay
WW - WasteWater
DW - Drinking Water
OT - Other ____

Remarks:

pH ____ Temp ____

Flow ____ Other ____

Sample Receipt Checklist

COC Seal Present/Intact:	NP	Y / N
COC Signed/Accurate:		Y / N
Bottles arrive intact:		Y / N
Correct bottles used:		Y / N
Sufficient volume sent:		Y / N
If Applicable		
VOA Zero Headspace:		Y / N
Preservation Correct/Checked:		Y / N
RAD Screen <0.5 mR/hr:		Y / N

Samples returned via: ___ UPS ___ FedEx ___ Courier ____ Tracking #

	Date:	Time:		
Relinquished by: (Signature)	8/31/21	1300	Received by: (Signature)	Trip Blank Received: Yes / No HCL / MeoH TBR
Relinquished by: (Signature)	Date:	Time:	Received by: (Signature)	Temp 0.7+0.0 °C Bottles Received: 2.9+0.2.9 64
Relinquished by: (Signature)	Date:	Time:	Received for lab by: (Signature)	Date: 9/1/21 Time: 9:30

If preservation required by Login: Date/Time

Hold: Condition: NCF / OK

STANTECLWA L1397919 Re-log samples

R5

Please re-log L1397919-01, -20, and -41 for the following-

CDG
PBG
SV8270PAHSIMD
TS

Time estimate: oh **Time spent:** oh

Members

JS Jared Starkey (responsible)

APPENDIX C

Calculation of PAH Diagnostic Ratios

Calculation of PAH Diagnostic Ratios for Distinguishing Pyrogenic Hydrocarbons and Petrogenic Hydrocarbons

Sources:

- Jiao, H., Q. Wang, N. Zhao, B. Jin, X. Zhuang, and Z. Bai. 2017. "Distributions and Sources of Polycyclic Aromatic Hydrocarbons (PAHs) in Soils Around a Chemical Plant in Shanxi, China." International Journal of Environmental Research and Public Health 14 (10). doi:10.3390/ijerph14101198. www.scopus.com.

www.scopus.com.

- Zhang, W., S. Zhang, C. Wan, D. Yue, Y. Ye, and X. Wang. 2008. "Source Diagnostics of Polycyclic Aromatic Hydrocarbons in Urban Road Runoff, Dust, Rain and Canopy Throughfall." Environmental Pollution 153 (3): 594-601. doi:10.1016/j.envpol.2007.09.004. www.scopus.com.

Polycyclic Aromatic Hydrocarbon (PAH)	Abbreviation	No. of Rings	DB-SB06SO-2.0-2.5	DB-FD01 (Parent Sample DB-TP24SO-2.5-3.0)	DB-TP27SO-4.5-5.0
Acenaphthene	Ace	3	0.00729	0.00236	0.0102
Acenaphthylene	Acy	3	0.0187	0.00596	0.0199
Anthracene	Ant	3	0.0265	0.00919	0.0401
Benzo(a)anthracene	BaA	4	0.163	0.129	0.243
Benzo(a)pyrene	BaP	5	0.174	0.129	0.254
Benzo(b)fluoranthene	BbB	5	0.212	0.127	0.303
Benzo(g,h,i)perylene	BPer	6	0.185	0.084	0.159
Benzo(k)fluoranthene	BkF	5	0.0689	0.0447	0.0979
Chloronaphthalene, 2-			0.00512	0.00527	0.00483
Chrysene	Chr	4	0.144	0.126	0.284
Dibenzo(a,h)anthracene	dBA		0.035	0.0166	0.0342
Fluoranthene	Flt	4	0.237	0.131	0.442
Fluorene	Flr	3	0.00748	0.00232	0.00707
Indeno(1,2,3-cd)pyrene	IP	6	0.158	0.0785	0.164
Methylnaphthalene, 1-			0.0183	0.00508	0.00804
Methylnaphthalene, 2-			0.0247	0.00528	0.0102
Naphthalene	Nap	2	0.0154	0.00508	0.0126
Phenanthrene	Phe	3	0.155	0.0293	0.198
Pyrene	Pyr	4	0.254	0.225	0.465

	Diagnostic Ratio Values						
		Pyrogenic					
PAH Ratio	Petrogenic	Fuel Combustion	Coal, Grass, Wood Burning	DB-SB06SO-2.0-2.5	arent Sample DB-TP24	DB-TP27SO-4.5-5.0	Result
Pyrogenic Index*	>1	<1		0.20	0.06	0.15	Pyrogenic
Total Index**	<4	>4		5.32	5.84	5.21	Pyrogenic
Flt / (Flt + Pyr)	<0.4	0.4-0.5	>0.5	0.48	0.37	0.49	Mixed
IP / (IP + BPer)	<0.2	0.2-0.5	>0.5	0.46	0.48	0.51	Pyrogenic
BaA/(BaA + Chr)	<0.2	>0.35	0.2-0.35	0.53	0.51	0.46	Pyrogenic
Ant/(Ant + Phe)	<0.1	>0.1		0.04	0.07	0.05	Petrogenic

Notes:

* = Σ of Ace, Acy, Ant, Flr, Nap, Phe / Σ of BaA, BaP, Chr, Flt, and Pyr

** = (Flt/(Flt+Pyr))/0.4 + (Ant/(Ant+Phe))/0.1+(BaA/(BaA+Chr))/0.2

APPENDIX D

Data Validation Reports

DATA VALIDATION WORKSHEET

GENERAL INFORMATION:

Lab Name:	Pace Analytical
Lab SDG/Project/Work Order:	L1397919
Project Name:	Supplemental Phase II ESA 960 East 3rd Avenue Spokane, Washington
Stantec Project Number:	185705581
Client:	City of Spokane
Validator Name:	Sarah Von Raesfeld
Date of Validation:	September 26, 2021

SAMPLE INFORMATION:

Number of Samples:	54
Matrix:	53 Soil and 1 QC Water
Number of Trip Blanks:	None
Number of Equipment Blanks:	One (DB-EB01GW)
Number of Field Duplicates	Three (DB-FD01, DB-FD02, DB-FD03)
Number of MS/MSDs:	One (DB-TP29SO-0.0-1.0)
Date of Sample Collection:	August 30, 2021

Sample Name:	Analyses:	Batch:
DB-SB02SO-0.0-0.5	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736590
DB-SB02SO-4.5-5.0	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736590
DB-SB03SO-0.5-1.0	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736590
DB-SB03SO-1.5-2.0	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736590
DB-SB04SO-0.5-1.0	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736793
DB-SB05SO-0.0-1.0	PAHs (SW8270E SIM)	WG1735766
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736793
DB-SB06SO-0.0-0.5	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736738; WG1736793
DB-SB06SO-2.0-2.5	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP22SO-1.0-1.5	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793

Sample Name:	Analyses:	Batch:
DB-TP24SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP24SO-2.5-3.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP25SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP25SO-4.5-5.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP26SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP26SO-2.0-2.5	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP27SO-1.0-1.5	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP28SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP28SO-2.5-3.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP29SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP31SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734430
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP32SO-0.0-1.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734434
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-TP32SO-2.0-3.0	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734434
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-FD01	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734434
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-FD02	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734434
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG1736793
DB-FD03	PAHs (SW8270E SIM)	WG1736261
	Lead, Cadmium (SW6020B)	WG1734434
	TCLP Metals (SW1311/6010D/7470A)	WG1736726; WG136882
DB-EB01GW	PAHs (SW8270C SIM)	WG1734059
	Lead, Cadmium (SW6020B)	WG1733701

GENERAL DATA VALIDATION:

Case Narrative:
The laboratory case narrative identified spike recoveries that did not meet laboratory acceptance criteria. The laboratory non-conformances are discussed in the following sections.

Chain of Custody:
The COC was complete. TCLP metals were submitted on hold, pending total metals analyses in soil, but were analyzed by the laboratory upon receipt. Additionally, three samples were submitted for analysis but were logged on hold. The error was identified after L1397919 was reported, the samples were subsequently requested for analysis and are reported in a separate SDG.

Sample Receipt:
The samples were received within the acceptable temperature range of 0° - 6° C.

Holding Times:
All samples were analyzed within the recommended holding time.

Trip Blank Review:
There were no trip blank samples submitted.

Equipment Blank Review:
Fluorene was detected at 0.0000189J mg/L in equipment blank sample DB-EB01GW. Fluorene was either not detected in the associated samples, or was detected at significantly higher concentrations, and therefore was not qualified.

Surrogates:
The PAH surrogate percent recovery exceeded the upper acceptance limit for p-terphenyl in sample DB-TP29SO-0.0-1.0. Detected PAHs were qualified as estimated with a potential positive bias (J+).

Elevated Reporting Limits:
PAHs: Four samples were analyzed 5x or 10x dilution factors.

Metals: All soil samples were analyzed at a 5x dilution factor.

Laboratory MDLs and MRLs were raised accordingly.

PER ANALYSES:

Polycyclic Aromatic Hydrocarbons, Method 8270E SIM (Batches WG1735766, WG1736261, and WG1734059)

Method Blanks:
No analytes were detected above the MDL in the laboratory method blanks. No qualifiers are needed.

Laboratory Control Sample/Laboratory Control Sample Duplicate:
All spike recoveries and RPDs were within the acceptance limits. No qualifiers are needed.

Matrix Spike/Matrix Spike Duplicate:
Project samples DB-TP29SO-0.0-1.0 and DB-SB03SO-0.5-1.0 was analyzed as the MS/MSD. The MSD percent recovery was less than the lower acceptance limit for benzo(g,h,i)perylene in sample DB-SB03SO-0.5-1.0, the result was qualified as estimated with a potential low bias (J-) in the sample.

Metals, Method 6020B (Batches WG1734430 and WG1734434)

Method Blanks:
No analytes were detected above the MDL in the laboratory method blanks. No qualifiers are needed.

Laboratory Control Sample/Laboratory Control Sample Duplicate: The LCS percent recoveries were within the acceptance limits. No qualifiers are needed.
Matrix Spike/Matrix Spike Duplicate: Project samples DB-TP29SO-0.0-1.0 and DB-EB01GW were analyzed as the MS/MSD. Spike recoveries and RPDs were within acceptance limits. No qualifiers are needed.
TCLP Metals Methods 6010D and 7470A (Batches WG1736738, WG1736726, WG1736590, WG1736793, and WG136882)
Method Blanks: Selenium was detected at 0.0439J mg/L in the method blank for batch WG1736590. Selenium was not detected in the associated samples, no data were qualified.
Laboratory Control Sample/Laboratory Control Sample Duplicate: The LCS percent recoveries were within the acceptance limits. No qualifiers are needed.
Matrix Spike/Matrix Spike Duplicate: Project sample DB-TP29SO-0.0-1.0 was analyzed as the MS/MSD. Spike recoveries and RPDs were within acceptance limits. No qualifiers are needed.

FIELD DUPLICATE REVIEW:
Three field duplicate pairs were collected. Sample DB-FD01SO is a field duplicate of sample DB-TP24SO 2.5-3.0, DB-FD02SO is a field duplicate of sample DB-TP30SO 0-1.0, and DB-FD03SO is a field duplicate of sample DB-TP28SO 0-1.0. RPDs are calculated between the results of the original and field duplicate samples for constituents detected in both samples at concentrations exceeding five-times their respective MRLs. Constituents meeting criteria are tabulated below. Results were qualified as estimated (J) in both the parent and field duplicate for RPDs that exceeded the 50% project limit.

Sample Name	Constituent	Result	Reporting Limit	Units	RPD
DB-FD01	Benzo(a)anthracene	0.129	0.00678	mg/kg	84%
DB-TP24SO-2.5-3.0	Benzo(a)anthracene	0.0528	0.00704	mg/kg	
DB-FD01	Benzo(a)pyrene	0.129	0.00678	mg/kg	69%
DB-TP24SO-2.5-3.0	Benzo(a)pyrene	0.0628	0.00704	mg/kg	
DB-FD01	Benzo(b)fluoranthene	0.127	0.00678	mg/kg	70%
DB-TP24SO-2.5-3.0	Benzo(b)fluoranthene	0.061	0.00704	mg/kg	
DB-FD01	Benzo(g,h,i)perylene	0.084	0.00678	mg/kg	37%
DB-TP24SO-2.5-3.0	Benzo(g,h,i)perylene	0.0576	0.00704	mg/kg	
DB-FD01	Chrysene	0.126	0.00678	mg/kg	102%
DB-TP24SO-2.5-3.0	Chrysene	0.0411	0.00704	mg/kg	
DB-FD01	Fluoranthene	0.131	0.00678	mg/kg	81%
DB-TP24SO-2.5-3.0	Fluoranthene	0.0552	0.00704	mg/kg	
DB-FD01	Indeno(1,2,3-cd)pyrene	0.0785	0.00678	mg/kg	48%
DB-TP24SO-2.5-3.0	Indeno(1,2,3-cd)pyrene	0.0481	0.00704	mg/kg	
DB-FD01	Lead	118	2.26	mg/kg	80%
DB-TP24SO-2.5-3.0	Lead	50.6	2.35	mg/kg	
DB-FD01	Pyrene	0.225	0.00678	mg/kg	81%
DB-TP24SO-2.5-3.0	Pyrene	0.0957	0.00704	mg/kg	

DETERMINATION:
The data in this work order have been validated. All data that have not been rejected ("R" flagged) are usable as qualified:

Sample ID	Method	Analyte	Original Result	Validated Result	Units	Reason Code
DB-FD01	8270E-SIM	Benzo(a)anthracene	0.129	0.129 J	mg/kg	FD RPD > CL
DB-FD01	8270E-SIM	Benzo(a)pyrene	0.129	0.129 J	mg/kg	FD RPD > CL
DB-FD01	8270E-SIM	Benzo(b)fluoranthene	0.127	0.127 J	mg/kg	FD RPD > CL
DB-FD01	8270E-SIM	Chrysene	0.126	0.126 J	mg/kg	FD RPD > CL
DB-FD01	8270E-SIM	Fluoranthene	0.131	0.131 J	mg/kg	FD RPD > CL
DB-FD01	6020B	Lead	118	118 J	mg/kg	FD RPD > CL
DB-FD01	8270E-SIM	Pyrene	0.225	0.225 J	mg/kg	FD RPD > CL
DB-SB03SO-0.5-1.0	8270E-SIM	Benzo(g,h,i)perylene	0.107 J6	0.107 J-	mg/kg	MSD %R <LAL
DB-TP24SO-2.5-3.0	8270E-SIM	Benzo(a)anthracene	0.0528	0.0528 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	8270E-SIM	Benzo(a)pyrene	0.0628	0.0628 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	8270E-SIM	Benzo(b)fluoranthene	0.061	0.061 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	8270E-SIM	Chrysene	0.0411	0.0411 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	8270E-SIM	Fluoranthene	0.0552	0.0552 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	6020B	Lead	50.6	50.6 J	mg/kg	FD RPD > CL
DB-TP24SO-2.5-3.0	8270E-SIM	Pyrene	0.0957	0.0957 J	mg/kg	FD RPD > CL
DB-TP29SO-0.0-1.0	8270E-SIM	Benzo(a)anthracene	0.00195 J	0.00195 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Benzo(a)pyrene	0.00192 J	0.00192 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Benzo(b)fluoranthene	0.00335 J	0.00335 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Benzo(g,h,i)perylene	0.00204 J	0.00204 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Fluoranthene	0.00326 J	0.00326 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Indeno(1,2,3-cd)pyrene	0.00196 J	0.00196 J+	mg/kg	SUR %R > UAL
DB-TP29SO-0.0-1.0	8270E-SIM	Pyrene	0.00403 J	0.00403 J+	mg/kg	SUR %R > UAL

Notes:
%R – percent recovery
CL – control limit
FD – field duplicate
LAL – lower acceptance limit
mg/kg – milligrams per kilogram
MSD – matrix spike duplicate
RPD – relative percent difference
SIM – selective ion monitoring
SUR – surrogate
UAL – upper acceptance limit

NOTES:

Laboratory assigned flags (J). Analytical results flagged by the laboratory as estimated values in the final laboratory report are assigned a qualifier of **J** to denote that the result is an estimated value based on the analyses. This qualifier is not one that is assigned based on data validation review or quality of data. In the case where the laboratory reports sample results between the MDL and MRL, the resulting data was flagged with **J** to denote that the result is estimated.

Data validation assigned qualifiers (U, UJ, J, R). The following qualifiers may be assigned to data in this data set based on the results of the data validation procedure (documented on this form). In general data qualifiers are defined as follows:

- U Indicates the analyte was analyzed for, but was not detected above the reported sample quantitation limit (MRL, or MDL if reported). Results assigned this qualifier are considered undetected at the MRL, or MDL if reported.

- UJ Indicates the analyte was not detected above the quantitation limit or MRL (MDL, if reported); however, the MRL (MDL, if reported) is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. Results assigned this qualifier are considered undetected at the estimated MRL (MDL, if reported).

- J Indicates the analyte was positively indentified; however, the associated numerical value is the approximate concentration of the analyte in the sample. Results assigned this qualifier as considered and detected at an estimated value.

- R Indicates the presence or absence of the analyte cannot be confirmed due to serious laboratory deficiencies in the ability to analyze the sample and meet quality control criteria. Results assigned this qualifier are rejected and considered unusable.

REFERENCES:

EPA. 2002. *Guidance on Environmental Data Verification and Data Validation, EPA QA/G-8.* USEPA. November 2002.

EPA. 2017. *USEPA National Functional Guidelines for Superfund Inorganic Methods Data Review, EPA-540-R-2017-002*. Office of Superfund Remediation and Technology Innovation. January.

EPA. 2017. United States Environmental Protection Agency (*USEPA) National Functional Guidelines for* Superfund Organic Methods Data Review. *EPA-540-R-2017-001*. Office of Superfund Remediation and Technology Innovation. January.

DATA VALIDATION WORKSHEET

GENERAL INFORMATION:

Lab Name:	Pace Analytical
Lab SDG/Project/Work Order:	L1406018
Project Name:	Supplemental Phase II ESA 960 East 3rd Avenue Spokane, Washington
Stantec Project Number:	185705581
Client:	City of Spokane
Validator Name:	Sarah Von Raesfeld
Date of Validation:	October 7, 2021

SAMPLE INFORMATION:

Number of Samples:	3
Matrix:	Soil
Number of Trip Blanks:	None
Number of Equipment Blanks:	None
Number of Field Duplicates	None
Number of MS/MSDs:	None
Date of Sample Collection:	August 30, 2021

Sample Name:	Analyses:	Batch:
DB-SB01SO-0.0-0.5	PAHs (SW8270E SIM)	WG1749095
	Lead, Cadmium (SW6020B)	WG1746123
DB-TP23SO-0.0-1.0	PAHs (SW8270E SIM)	WG1749095
	Lead, Cadmium (SW6020B)	WG1746123
DB-TP30SO-0.0-1.0	PAHs (SW8270E SIM)	WG1749095
	Lead, Cadmium (SW6020B)	WG1746123

GENERAL DATA VALIDATION:

Case Narrative:
The laboratory case narrative identified samples that were analyzed for PAHs past the recommended holding time.

Chain of Custody:
The COC was complete; however, when the laboratory logged samples DB-SB01SO-0.0-0.5, DB-TP23SO-0.0-1.0, DB-TP30SO-0.0-1.0

Sample Receipt:
The samples were received within the acceptable temperature range of 0° - 6° C.

Holding Times:
All three samples were analyzed for PAHs past the 14-day holding time. The PAHs were qualified as estimated, “J” for detects and “UJ” for non-detects.

Trip Blank Review:
There were no trip blank samples submitted.

Equipment Blank Review:
Fluorene was detected at 0.0000189J mg/L in equipment blank sample DB-EB01GW, which was reported in SDG L1397919. Fluorene was detected at significantly higher concentrations in the associated samples and therefore was not qualified.

Surrogates:
All surrogate recoveries were within acceptance limits.

Elevated Reporting Limits:
Metals: All samples were analyzed at a 5x dilution factor.
Laboratory MDLs and MRLs were raised accordingly.

PER ANALYSES:

Polycyclic Aromatic Hydrocarbons, Method 8270E SIM (Batch es WG1735766, WG1736261, and WG1734059)

Method Blanks:
No analytes were detected above the MDL in the laboratory method blanks. No qualifiers are needed.

Laboratory Control Sample/Laboratory Control Sample Duplicate:
All spike recoveries and RPDs were within the acceptance limits. No qualifiers are needed.

Matrix Spike/Matrix Spike Duplicate:
A project sample was not analyzed for the MS/MSD.

Metals, Method 6020B (Batches WG1734430 and WG1734434)

Method Blanks:
No analytes were detected above the MDL in the laboratory method blanks. No qualifiers are needed.

Laboratory Control Sample/Laboratory Control Sample Duplicate:
The LCS percent recoveries were within the acceptance limits. No qualifiers are needed.

Matrix Spike/Matrix Spike Duplicate:
A project sample was not analyzed for the MS/MSD.

FIELD DUPLICATE REVIEW:

No field duplicates were collected for this SDG.

DETERMINATION:

The data in this work order have been validated. All data that have not been rejected ("R" flagged) are usable as qualified:

Sample ID	Method	Analyte	Original Result	Validated Result	Units	Reason Code
DB-SB01SO-0.0-0.5	8270E-SIM	Anthracene	0.00257 U T8	0.00257 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Acenaphthene	0.00234 U T8	0.00234 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Acenaphthylene	0.00242 U T8	0.00242 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Benzo(a)anthracene	0.00589 J T8	0.00589 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Benzo(a)pyrene	0.00977 T8	0.00977 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Benzo(b)fluoranthene	0.00935 T8	0.00935 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Benzo(g,h,i)perylene	0.0148 T8	0.0148 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Benzo(k)fluoranthene	0.00254 J T8	0.00254 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Chrysene	0.00649 J T8	0.00649 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Dibenz(a,h)anthracene	0.0028 J T8	0.0028 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Fluoranthene	0.00543 J T8	0.00543 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Fluorene	0.00229 U T8	0.00229 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Indeno(1,2,3-cd)pyrene	0.00714 T8	0.00714 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Naphthalene	0.00457 U T8	0.00457 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Phenanthrene	0.0036 J T8	0.0036 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	Pyrene	0.0102 T8	0.0102 J	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	1-Methylnaphthalene	0.00503 U T8	0.00503 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	2-Methylnaphthalene	0.00478 U T8	0.00478 UJ	mg/kg	HT Exceeded
DB-SB01SO-0.0-0.5	8270E-SIM	2-Chloronaphthalene	0.00522 U T8	0.00522 UJ	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Anthracene	0.0144 T8	0.0144 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Acenaphthene	0.00282 J T8	0.00282 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Acenaphthylene	0.0076 T8	0.0076 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Benzo(a)anthracene	0.0982 T8	0.0982 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Benzo(a)pyrene	0.114 T8	0.114 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Benzo(b)fluoranthene	0.129 T8	0.129 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Benzo(g,h,i)perylene	0.0818 T8	0.0818 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Benzo(k)fluoranthene	0.0559 T8	0.0559 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Chrysene	0.109 T8	0.109 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Dibenz(a,h)anthracene	0.0161 T8	0.0161 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Fluoranthene	0.189 T8	0.189 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Fluorene	0.0025 J T8	0.0025 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Indeno(1,2,3-cd)pyrene	0.084 T8	0.084 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Naphthalene	0.00589 J T8	0.00589 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Phenanthrene	0.0881 T8	0.0881 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	Pyrene	0.211 T8	0.211 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	1-Methylnaphthalene	0.00464 U T8	0.00464 UJ	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	2-Methylnaphthalene	0.00546 J T8	0.00546 J	mg/kg	HT Exceeded
DB-TP23SO-0.0-1.0	8270E-SIM	2-Chloronaphthalene	0.00482 U T8	0.00482 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Anthracene	0.00244 U T8	0.00244 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Acenaphthene	0.00222 U T8	0.00222 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Acenaphthylene	0.00229 U T8	0.00229 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Benzo(a)anthracene	0.0218 T8	0.0218 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Benzo(a)pyrene	0.0238 T8	0.0238 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Benzo(b)fluoranthene	0.0284 T8	0.0284 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Benzo(g,h,i)perylene	0.021 T8	0.021 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Benzo(k)fluoranthene	0.0104 T8	0.0104 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Chrysene	0.0276 T8	0.0276 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Dibenz(a,h)anthracene	0.00375 J T8	0.00375 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Fluoranthene	0.0281 T8	0.0281 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Fluorene	0.00218 U T8	0.00218 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Indeno(1,2,3-cd)pyrene	0.0198 T8	0.0198 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Naphthalene	0.00433 U T8	0.00433 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Phenanthrene	0.0102 T8	0.0102 J	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	Pyrene	0.0432 T8	0.0432 J	mg/kg	HT Exceeded

Sample ID	Method	Analyte	Original Result	Validated Result	Units	Reason Code
DB-TP30SO-0.0-1.0	8270E-SIM	1-Methylnaphthalene	0.00477 U T8	0.00477 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	2-Methylnaphthalene	0.00453 U T8	0.00453 UJ	mg/kg	HT Exceeded
DB-TP30SO-0.0-1.0	8270E-SIM	2-Chloronaphthalene	0.00495 U T8	0.00495 UJ	mg/kg	HT Exceeded

Notes:
HT – holding time
mg/kg – milligrams per kilogram
SIM – selective ion monitoring

NOTES:

Laboratory assigned flags (J). Analytical results flagged by the laboratory as estimated values in the final laboratory report are assigned a qualifier of **J** to denote that the result is an estimated value based on the analyses. This qualifier is not one that is assigned based on data validation review or quality of data. In the case where the laboratory reports sample results between the MDL and MRL, the resulting data was flagged with **J** to denote that the result is estimated.

Data validation assigned qualifiers (U, UJ, J, R). The following qualifiers may be assigned to data in this data set based on the results of the data validation procedure (documented on this form). In general data qualifiers are defined as follows:

- U Indicates the analyte was analyzed for but was not detected above the reported sample quantitation limit (MRL, or MDL if reported). Results assigned this qualifier are considered undetected at the MRL, or MDL if reported.

- UJ Indicates the analyte was not detected above the quantitation limit or MRL (MDL, if reported); however, the MRL (MDL, if reported) is approximate and may or may not represent the actual limit of quantitation necessary to accurately and precisely measure the analyte in the sample. Results assigned this qualifier are considered undetected at the estimated MRL (MDL, if reported).

- J Indicates the analyte was positively indentified; however, the associated numerical value is the approximate concentration of the analyte in the sample. Results assigned this qualifier as considered and detected at an estimated value.

- R Indicates the presence or absence of the analyte cannot be confirmed due to serious laboratory deficiencies in the ability to analyze the sample and meet quality control criteria. Results assigned this qualifier are rejected and considered unusable.

REFERENCES:

EPA. 2002. *Guidance on Environmental Data Verification and Data Validation, EPA QA/G-8.* USEPA. November 2002.

EPA. 2017. *USEPA National Functional Guidelines for Superfund Inorganic Methods Data Review, EPA-540-R-2017-002*. Office of Superfund Remediation and Technology Innovation. January.

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