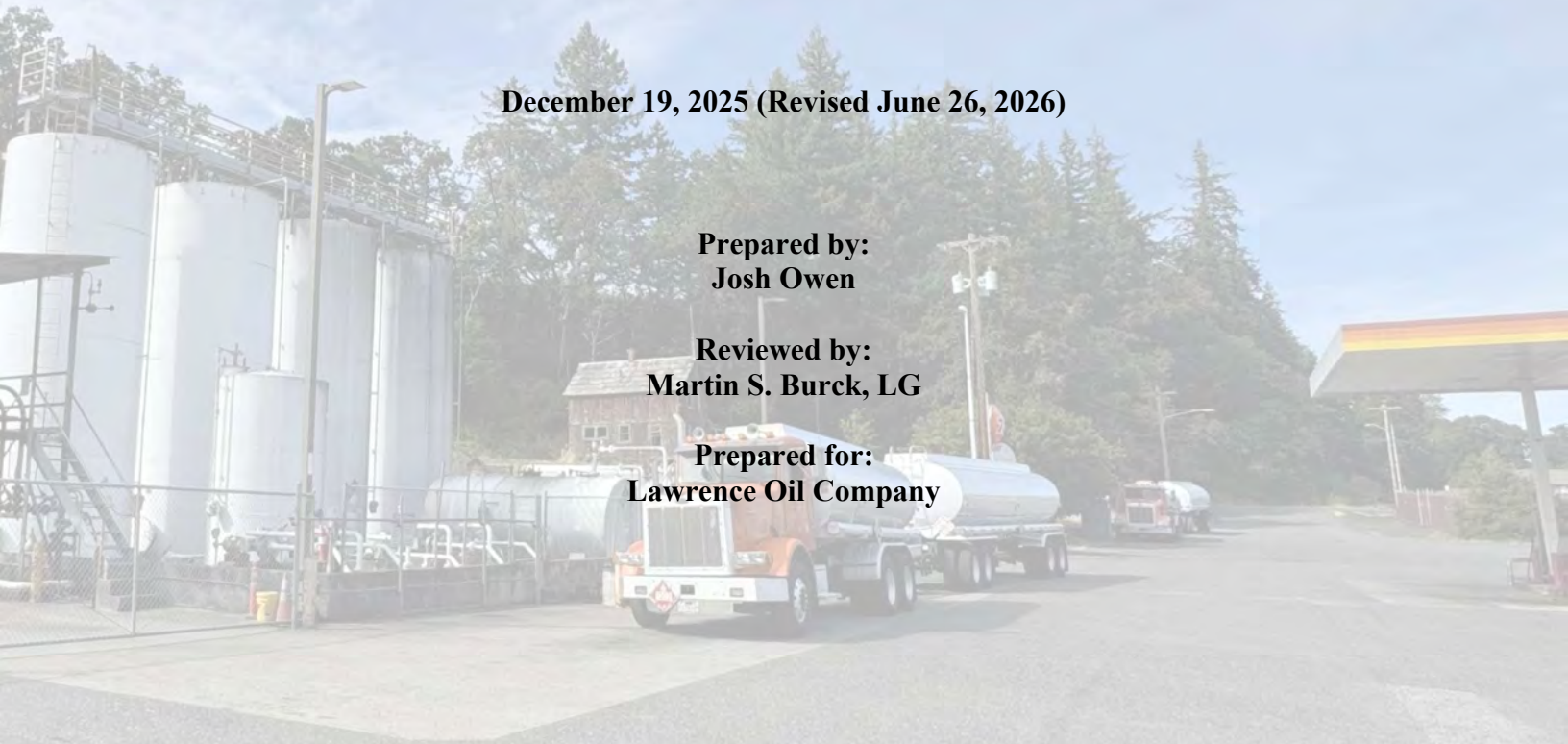
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AUGUST-NOVEMBER 2025
SITE INVESTIGATION REPORT (REV 1)

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy, St. Helens, Oregon
ECSI # 6720



December 19, 2025 (Revised June 26, 2026)

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TABLE OF CONTENTS

1.0 INTRODUCTION 1
2.0 PROJECT BACKGROUND 1
3.0 WETLAND SOIL, SEDIMENT, AND SURFACE WATER SAMPLING 2
3.1 Laboratory Analytical Strategy 3
3.2 Wetland Soil Sampling and Observations 4
3.2.1 Wetland Soil Sample Analytical Results 5
3.2.2 Wetland Soil Sample Results Cleanup Level Comparison 5
3.3 Wetland Sediment Sampling and Observations 6
3.3.1 Wetland Sediment Sample Analytical Results 7
3.3.2 Wetland Sediment Sample Results Cleanup Level Comparison 7
3.4 Wetland Surface Water Sampling and Observations 8
3.4.1 Wetland Surface Water Sample Analytical Results 9
3.4.2 Wetland Surface Water Sample Results Cleanup Level Comparison 9
4.0 TEST PIT SOIL SAMPLING 10
4.1 Test Pit Sample Analytical Results 11
4.2 Test Pit Soil Sample Results Cleanup Level Comparison 11
5.0 ADDITIONAL EXCAVATION CLEANUP AND CONFIRMATION SOIL SAMPLING 13
5.1 Additional Excavation Cleanup and Confirmation Soil Sampling 13
5.2 Excavation Cleanup Soil Sample Analytical Results 14
5.3 Excavation Cleanup Soil Sample Results Cleanup Level Comparison 14
5.4 Surface Water Diversion and Drainage Improvements 14
5.5 Application of Oxygen-Releasing Compound 14
6.0 DATA QUALITY CONTROL SUMMARY 15
6.1 Equipment Blanks 15
6.2 Trip Blanks 15
6.3 Field Duplicates 15
6.4 Laboratory Quality Control Review 16
7.0 ADDITIONAL PLANNED SITE ASSESSMENT ACTIVITIES 16
7.1 Proposed Groundwater Monitoring Well Locations 17
7.2 Proposed Additional Wetland Bank Soil Sample Locations 18
7.3 Proposed Additional Wetland Sediment Sample Locations 19

DRAFT

7.4 Proposed Additional Surface Water Sample Locations 20
7.5 Proposed Sampling and Inspection of Potential Seeps 21
7.6 Proposed Sampling of Waterline Organic Detritus 21
7.7 Soil Vapor Sampling 22
7.8 Level II Ecological Evaluation 22
7.9 Remedial Action Evaluation 22
8.0 REMARKS AND SIGNATURES 23

ABBREVIATED TEXT TABLES

Text Table 1 Maximum Concentrations: (Exceedances Only): Wetland Soil (Section 3.2.2)
Text Table 2 Maximum Concentrations: (Exceedances Only) Sediment (Section 3.3.2)
Text Table 3 Maximum Concentrations: (Exceedances Only): Surface Water (Section 3.4.2)
Text Table 4 Maximum Concentrations: (Exceedances Only): All Soil Samples (Section 4.2)
Text Table 5 Summary of Proposed Groundwater Monitoring Well Locations (Section 7.1)
Text Table 6 Summary of Proposed Wetland Bank Soil Sample Locations (Section 7.2)
Text Table 7 Summary of Proposed Wetland Sediment Sample Locations (Section 7.3)
Text Table 8 Summary of Proposed Wetland Surface Water Sample Locations (Section 7.4)

FIGURES

Figure 1 Site Location Map
Figure 2 Site Layout Map
Figure 3 Diesel and Oil Data Map
Figure 4 Drainage Modifications Plan View
Figure 5 South Parking Area Cross Section A-A'

TABLES

Table 1a Soil Sample Analytical Data
Table 1b Maximum Concentrations: Wetland Soil
Table 1c Maximum Concentrations: All Soil Samples
Table 2a Sediment Sample Analytical Data
Table 2b Maximum Concentrations: Wetland Sediment
Table 3a Surface Water Sample Analytical Data
Table 3b Maximum Concentrations: Surface Water Samples

DRAFT

APPENDICES

Appendix A MSBA Field Methods and Procedures
Appendix B Disposal Documentation
Appendix C Data Quality Objectives
Appendix D Soil and Sediment Sample Laboratory Reports
Appendix E Water Sample Laboratory Reports
Appendix F Red Dye Safety Data Sheet

DRAFT

Acronym List

Acronym	Definition
AST	Aboveground Storage Tank
bsg	Below Surface Grade
COPC	Constituent of Potential Concern
DEQ	Department of Environmental Quality
DSL	Department of State Lands (Oregon)
DUP	Duplicate
ERA	Ecological Risk Assessment
EPA	Environmental Protection Agency
FM&P	Field Methods and Procedures
MDL	Method Detection Limit
MSBA	Martin S. Burck Associates, Inc.
NWTPH-Dx	Northwest Total Petroleum Hydrocarbon Diesel-range Extraction Method
NWTPH-Gx	Northwest Total Petroleum Hydrocarbon Gasoline-range Extraction Method
OERS	Oregon Emergency Response System
ORC	Oxygen-Releasing Compound
OWS	Oil-Water Separator
PAHs	Polycyclic Aromatic Hydrocarbons
PHCs	Petroleum Hydrocarbons
PID	Photoionization Detector
ppm	Parts per million
ppb	Parts per billion
RBC	Risk-Based Concentration
RBDM	Risk-Based Decision Making for the Remediation of Contaminated Sites
RPD	Relative Percent Difference
RL	Reporting Limit
SIM	Selected Ion Monitoring
SPA	South Parking Area
SW	Surface Water (sample designation)
TCLP	Toxicity Characteristic Leaching Procedure
TP	Test Pit (sample designation)
VOCs	Volatile Organic Compounds
WS	Wetland Soil (sample designation)

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AUGUST-NOVEMBER 2025 SITE INVESTIGATION REPORT (REV 1)

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy, Saint Helens, Oregon
ECSI #6720

1.0 INTRODUCTION

Martin S. Burck Associates, Inc. (MSBA) has prepared this *August-November 2025 Site Investigation* Report *(Rev 1)* (Investigation Report), presenting a summary of cleanup and sampling activities related to a release of petroleum hydrocarbons (PHCs) that has impacted the site and an adjacent compensatory wetland. The site location is shown on Figure 1 and the site layout is illustrated on Figure 2.

The work summarized in this report includes:

- Soil, sediment, and surface water results from samples collected within the wetland.
- Test pit soil samples collected to further evaluate the extent of impacted soil to the north.
- Additional excavation cleanup and confirmation soil sidewall sampling on site.
- Site drainage modifications.

2.0 PROJECT BACKGROUND

The site is operated as a bulk petroleum fuel storage and distribution facility with aboveground tanks (ASTs) and cardlock dispensers. In late October 2024, it was discovered that off-road diesel had been released from a leaking product line. Off-road diesel is dyed red to distinguish it from on-road fuel. DEQ noted that aerial imagery from Google Earth, dated July 2024, shows what appears to be red-dyed product in the wetland area south of the site, suggesting that a release may have occurred as early as July 2024. The release was reported to the Oregon Emergency Response System (OERS) and assigned spill number 2024-2684. The release migrated through the product line vault to an oil-water separator (OWS). The OWS was inundated and product flowed onto the gravel south parking area (SPA) near the southern property boundary. A defect in the OWS was noted and has since been repaired. The leaking diesel supply line has been closed pending planned repairs. Product recovery efforts were implemented using vacuum removal and absorbent booms and pads.

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The release migrated off-site to the south, entering a wetland that was constructed circa 2009 as part of a compensatory wetland mitigation site associated with the development of storage units and a car wash on the adjacent property to the south. The compensatory wetland was originally designed to function as an emergent wetland with some planted trees and shrubs along the edges. However, it currently functions as a stream or stormwater swale. A Jurisdictional Wetland Delineation Report was prepared by Schott & Associates in March 2025 and approved by the Oregon Department of State Lands (DSL) in June 2025. The Wetland Delineation Report was prepared on behalf of the Lawrence Oil Company in support of future remedial activities related to the release.

On November 7 and 8, 2024, MSBA directed excavation cleanup activities at the SPA in general accordance with the DEQ-approved work plan titled *Work Plan for Interim Excavation Cleanup and Storm Drain Repair*, dated November 5, 2024. The cleanup targeted shallow gravel, rock, and soil containing product and the highest concentrations of PHCs within the SPA. An estimated 200 cubic yards of material containing diesel was excavated to an approximate depth of 1 to 2 feet below surface grade (bsg) within the cleanup area shown on Figure 3. The soil was stockpiled near the northeast property boundary and subsequently transported to the Wasco County Landfill for disposal. Disposal documentation is presented in Appendix B.

Product was vacuumed from the surface of the ponded/perched water during the excavation cleanup. Subsequent to the excavation cleanup, residual product on the perched/ponded water within the SPA was contained with booms and removed with absorbent pads until it was no longer observed. The residual product was primarily observed along the northern edge of the excavation area. During the dry summer months, the perched/ponded water dissipated, leaving the excavation cleanup area relatively dry. Water and product disposal documentation is presented in Appendix B.

3.0 WETLAND SOIL, SEDIMENT, AND SURFACE WATER SAMPLING

On August 14, 2025, MSBA collected soil, sediment, and surface water samples from the adjacent wetland to the south. The sampling activities were performed in general accordance with the DEQ-approved *Wetland Sampling Plan*, dated July 25, 2025, and the MSBA Field Methods and Procedures (FM&P) (Appendix A).

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3.1 Laboratory Analytical Strategy

- All soil, sediment, and surface water samples were submitted for analysis of diesel/oil using method NWTPH-Dx. Selected soil and sediment samples were also analyzed with and without a silica gel cleanup to evaluate potential non-petroleum polar organics.

- Most soil samples were submitted for additional analyses, including:
  - Gasoline using method NWTPH-Gx
  - Volatile organic compounds (VOCs) using method 8260D (soil and sediment samples were collected in EPA Method 5035 Closed-System Purge and Trap Extraction Vials)
  - Polycyclic aromatic hydrocarbons (PAHs) using method 8270E-SIM
  - Total metals including arsenic, chromium, copper, and lead using method 6020B
  - Hexavalent chromium using method 7196A
  - Total organic carbon using method 9060A

The metals reported in this investigation—arsenic, chromium, copper, and lead—were selected as the primary constituents of interest (COIs) based on previous regulatory coordination and approved site-specific work plans. This four-metal suite was established following a technical discussion with the DEQ on May 21, 2025. The selection was subsequently documented in the *Wetland Sampling Plan* submitted on June 30, 2025, which received DEQ review and formal approval on July 25, 2025.

The selection of this suite is supported by supplemental screening of "worst-case" soil and water samples for the RCRA 8 metals. These comprehensive analyses resulted in no exceedances of applicable DEQ Risk-Based Concentrations (RBCs) and showed only minimal detections for metals outside the established four-metal suite. During project coordination on April 2, 2026, the DEQ confirmed that the current explanation is sufficient and that no additional metals analysis is required at this time.

Quality control samples such as field duplicates, equipment blanks, trip blanks, etc., were collected in accordance with the Data Quality Objectives presented in Appendix C and are discussed in Section 6.0. The primary constituents of potential concern (COPCs) are considered diesel, oil, and related compounds.

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3.2 Wetland Soil Sampling and Observations

MSBA collected soil samples from nine locations along the north edge of the wetland. The soil sample locations were primarily situated on the embankment above the water level at the time of sampling; most locations were below the high water level. The soil samples were labeled with the designation "WS" for wetland soil, and the last number in the sample name represents the depth, in feet (e.g., sample ***WS6-1.5*** was collected at location WS6 with a depth of 1.5 feet bsg). Most samples were collected from near-surface soil, where field screening indicated the highest concentrations were present. Sample locations WS3 and WS6 are associated with previously observed product/water seeps or flows into the wetland area (Figure 3). In addition, samples ***WS5-0*** and ***WS7-0*** were collected for analysis from the identified "Palustrine Forested Wetland" and the "Overland Stormwater Drainage" areas (identified by Schott and Associates), as shown on Figure 3. The remaining sample locations were distributed along the bank of the wetland area for thorough characterization. The sample locations were plotted using a Trimble Geo 7x Series GPS.

The bank of the wetland was field screened using visual observations and photoionization detector (PID) readings. During field screening, elevated concentrations detected by the PID in soil were identified at locations WS2, WS3, and WS5. Locations WS2 and WS3 were identified as surface water flow paths, and WS5 is a low spot within the seasonally flooded Palustrine Forested Wetland.

MSBA noted that a sheen was present on a thin (0.25-inch thick or less) layer of decomposed leaf litter or detritus at the current water level at most locations along the north bank of the wetland. Soil at these locations was sampled by scraping away the detritus and collecting samples of the underlying soil. At most locations, the underlying soil did not have a sheen or appear to be heavily impacted based on PID screening. MSBA proposes to remove the detritus as part of an interim cleanup.

The soil sample locations were generally collected in accordance with the *Wetland Sampling Plan*. However, soil sample location WS1 was moved approximately 25 feet to the east due to observations of a sheen and potential surface water flow path at the revised location. Soil sample locations WS8 and WS9 were relocated approximately 20 feet to the east due to the presence of heavy brush and blackberries at the proposed locations.

MSBA did not observe any seeps or surface water flowing into the wetland at the time of sampling. However, evidence of potential seeps and/or surface water flow paths were observed at locations WS1, WS2, WS3, and WS6. These areas will be further evaluated.

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3.2.1 Wetland Soil Sample Analytical Results

Diesel/oil was detected in eight of the ten soil samples collected, with concentrations ranging from 16.1 ppm (***WS1-0***) to 26,200 ppm (***WS5-0***) (Table 1a); the samples were analyzed without using a silica gel cleanup. Gasoline was also detected in several samples; however, the laboratory attributed this to overlap with diesel, which is consistent with other soil and water sample results from the site. As discussed in Section 7.1, DEQ has noted that volatile components of the red dye additive present in the released diesel may also appear in the gasoline range, which may represent an additional contributing factor to the detected gasoline-range hydrocarbons and VOCs. The highest diesel/oil concentrations were generally found within the seasonally flooded Palustrine Forested Wetland and the overland stormwater drainage area. VOCs, PAHs, and metals were also detected and are summarized in Table 1a. Diesel/oil results are shown on Figure 3, and copies of the laboratory reports are provided in Appendix D.

Most soil samples were analyzed for diesel/oil using method NWTPH-Dx without silica gel cleanup. However, samples ***WS2-0***, ***WS3-0***, ***WS3-0 DUP*** (field duplicate), ***WS5-0***, and ***WS9-0*** were analyzed using NWTPH-Dx both with and without silica gel cleanup. This dual analysis was performed to assess whether naturally occurring organic matter or other non-petroleum substances were contributing to the detected hydrocarbon concentrations. The results, summarized in Table 1a, showed negligible differences.

3.2.2 Wetland Soil Sample Results Cleanup Level Comparison

Wetland soil sample results were compared to the minimum applicable RBCs for human health and safety, as outlined in the DEQ Risk-Based Decision Making for the Remediation of Contaminated Sites (RBDM) guidance, updated in 2023. Results were also compared to the minimum applicable ecological RBCs, presented in Table 1a of the Oregon DEQ's Conducting Ecological Risk Assessments (ERA) guidance document, last updated in 2020. Table 1b presents a comparison of RBCs and maximum concentrations. Constituents that exceeded cleanup levels, or one-half the detection limit exceeded, in wetland soil samples are summarized below in an abbreviated Text Table 1.

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TEXT TABLE 1
MAXIMUM CONCENTRATIONS (EXCEEDANCES ONLY): WETLAND SOIL

Analyte	Analytical Method	Maximum Concentration (ppm)	Minimum Applicable DEQ RBCs [d] (ppm)	
			Human Receptors [g]	Ecological Receptors [f]
Gasoline-Range Organics	NWTPH-Gx	**810** [a, d]	31	120
Diesel/Oil (Total Dx)	NWTPH-Dx	**26,200**	1,100	260
1,1,2-Trichloroethane	EPA 8260D	< 0.27 [b]	0.0063	NA
1,1-Dichloroethane	EPA 8260D	< 0.20	0.044	210
1,2-Dibromoethane (EDB)	EPA 8260D	< 0.26	0.00012	NA
1,2-Dichloroethane (EDC)	EPA 8260D	< 0.17	0.0028	0.85
1,4-Dichlorobenzene	EPA 8260D	< 0.16	0.057	0.89
Bromomethane	EPA 8260D	< 0.26	0.083	NA
Carbon tetrachloride	EPA 8260D	< 0.08	0.013	2
Chloroform	EPA 8260D	< 0.18	0.0034	8
Methyl tert-butyl ether	EPA 8260D	< 0.23	0.11	NA
Methylene Chloride	EPA 8260D	< 1.50	0.14	2.6
Naphthalene	EPA 8260D	**0.34**	0.077	1
Trichloroethene	EPA 8260D	< 0.05	0.013	42
Vinyl chloride	EPA 8260D	< 0.16	0.00057	0.12
Total HPAHs (4+ rings)	EPA 8270E-SIM	4.93 [e]	NA	0.11
Arsenic	6020B	**4.2** [c]	0.43	6.8

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates the one-half the method detection limit (non-detect) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Lab attributes detections to diesel overlap; DEQ notes potential red dye overlap

e Total LPAH and Total HPAH concentrations are the maximum sample-based calculated sums from Table 1a individual PAH results. Non-detect values are represented at one-half the method detection limit (1/2 MDL).

f Ecological RBCs are from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/cleanupTable1a1bEcoRBCs.xlsx; Ecological RBCs for Total LPAHs (2-3 rings) and Total HPAHs (4+ rings) from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil.

g Human health RBCs are the minimum applicable values from: Oregon DEQ, Risk-Based Concentrations for Individual Chemicals (Soil Ingestion, Dermal Contact, and Inhalation pathway, Residential Urban Residential scenario). Revision: May 2018 revised August 2023. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/rbdmtable.pdf

MSBA is planning to complete additional site investigation activities to further evaluate potential exposure pathways for human receptors and a Level II Ecological Scoping with respect to ecological receptors.

3.3 Wetland Sediment Sampling and Observations

MSBA collected two sediment samples from the bottom of the wetland to evaluate PHC concentrations. The sediment sample locations were adjacent to two areas where water/product incursion (WS3 and WS6) was observed at the time of the release. The sediment samples were labeled with the designation “Sed” for sediment. MSBA anticipated that the sediment samples would be collected using a hand auger; however, since the sediment layer was only 1 to 2 inches

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thick, the samples were instead collected by scraping the bottom with a shovel. Field screening indicated that similar PHC concentrations were present at ***Sed1***, ***Sed2***, and the field duplicate sample ***Sed2 DUP***.

3.3.1 Wetland Sediment Sample Analytical Results

Diesel/oil was detected in both sediment samples collected, with concentrations ranging from 134 ppm (***Sed2***) to 18,300 ppm (***Sed1***) (Table 2a). Gasoline was also detected in ***Sed1*** at a concentration of 540 ppm; however, the laboratory attributed this to diesel overlap. This overlap is consistent with other soil and water samples analyzed at this site. PAHs, VOCs, and metals were also detected and are summarized in Table 2a. Diesel/oil results are shown on Figure 3, and copies of the laboratory analytical reports are included in Appendix D.

3.3.2 Wetland Sediment Sample Results Cleanup Level Comparison

Wetland sediment sample results were compared to the minimum applicable ecological RBCs presented in Table 3 of DEQ's ERA guidance document, last updated in 2020, for freshwater sediment. Where no freshwater sediment RBC exists in DEQ Table 3, the marine sediment RBC from the same table was used as a surrogate per DEQ direction; where no marine RBC is available, the Washington Department of Ecology (WA DOE) Sediment Management Standards (SMS) freshwater Sediment Quality Value (SQV) was used secondarily. For Diesel/Oil (Total Dx) specifically, the WA DOE Sediment Cleanup Users Manual (SCUM) SQV of 340 ppm was applied as the applicable surrogate per DEQ direction. Table 2b presents a comparison of RBCs and maximum concentrations. Constituents that exceeded cleanup levels, or for which one-half the detection limit exceeded a cleanup level, in wetland sediment samples are summarized below in an abbreviated Text Table 2.

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TEXT TABLE 2
MAXIMUM CONCENTRATIONS (EXCEEDANCES ONLY): SEDIMENT

Analyte	Analytical Method	Maximum Concentration	DEQ Ecological RBC [b] Freshwater Sediment	DEQ Marine Sediment RBC [b,c] Marine Sediment (Surrogate)	WA DOE Freshwater SCO SQV [d] WA DOE SMS
Petroleum Hydrocarbons (PHCs) (ppm)					
Diesel/Oil (Total Dx)	NWTPH-Dx	**18,300**	NA	NA	340
Volatile Organic Compounds (VOCs) (ppb)					
Naphthalene	EPA 8260D	**850**	176	35 [b,c]	NA
Polycyclic Aromatic Hydrocarbons (PAHs) (ppb)					
Acenaphthene	EPA 8270E-SIM	**530**	290	7 [b,c]	NA
Anthracene	EPA 8270E-SIM	1000	57	47 [b,c]	NA
Chrysene	EPA 8270E-SIM	100	57	107 [b,c]	NA
Fluorene	EPA 8270E-SIM	970	77	21 [b,c]	NA
Naphthalene	EPA 8270E-SIM	390	176	35 [b,c]	NA
Phenanthrene	EPA 8270E-SIM	1900	42	86 [b,c]	NA
Pyrene	EPA 8270E-SIM	1200	53	152 [b,c]	NA
2-Methylnaphthalene	EPA 8270E-SIM	**1000**	NA	20 [b,c,e]	NA
Total Low Molecular Weight PAHs (LPAH)	EPA 8270E-SIM	**6770**	76	312 [b,c]	NA
Total High Molecular Weight PAHs (HPAH)	EPA 8270E-SIM	**1300**	193	655 [b,c]	NA
Total PAH	EPA 8270E-SIM	**8070**	1610	1,684 [b,c]	NA

Notes
a Gasoline detections are attributed to overlap from diesel
b Organic RBC values from Oregon DEQ Table 3 - Risk-Based Concentrations for Sediment (ppb); Inorganic RBCs from same source (ppm).
c Marine sediment RBC used as surrogate where no freshwater RBC is available (per DEQ direction).
d WA DOE Sediment Cleanup Users Manual (SCUM) SQV for NW-TPH Dx (freshwater sediment) = 340 ppm, used as surrogate per DEQ direction.
e 2-Methylnaphthalene: Threshold Effects Level (TEL) for marine sediment from NOAA SQuiRTs, as reported in Oregon DEQ Table 3.
f Total LPAH, HPAH, and PAH concentrations to be calculated from sample-level data per DEQ direction; RBC values from DEQ Table 3 - RBCs for Sediment.
g No published ecological screening level identified in Oregon DEQ Table 3, DEQ marine sediment RBCs, or WA DOE SMS freshwater SCO/SQVs for this analyte.

MSBA is planning to complete additional site investigation activities to further evaluate potential exposure pathways for ecological receptors.

3.4 Wetland Surface Water Sampling and Observations

MSBA collected two surface water samples in conjunction with the wetland soil and sediment sampling. An additional surface water sample was collected in November 2025. The surface water sample locations SW1 and SW2 were adjacent to two areas where water/product incursion (WS3 and WS6) was observed at the time of the release. The surface water samples were labeled with the designation "SW" for surface water. Sample ***SW1*** was collected adjacent to soil sample location WS6, and sample ***SW2***, along with field duplicate sample ***SW2 DUP***, were collected adjacent to soil sample location WS3 (Figure 3).

The samples of undisturbed surface water were collected with polyethylene tubing and a peristaltic pump. The tubing was attached to a telescopic pole and extended to the sample point from the bank. The water and sediment were not disturbed during or prior to the surface water sampling. The samples were collected approximately 1 to 2 inches below the water surface.

On November 13, 2025, a supplemental surface water sample, ***SW3***, was collected from the wetland just before it flowed east into a culvert beneath the Columbia River Highway (Figure 3).

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The sampling occurred following significant precipitation during the week prior. During the summer months, no discharge was observed from the wetland into the culvert that connects to the storm sewer system. Stormwater discharge from the site was not observed until November 1, 2025.

3.4.1 Wetland Surface Water Sample Analytical Results

Diesel/oil was detected in all three surface water samples, with concentrations ranging from 440 ppb (***SW3***) to 4,300 ppb (***SW1***); the samples were analyzed without using a silica gel cleanup. Gasoline was also detected in ***SW1*** at a concentration of 66 ppb; however, the laboratory attributed it to diesel overlap. This interpretation is consistent with other soil and water sample results from the site. VOCs, PAHs, and metals were also detected and are summarized in Table 3a. Diesel/oil results are shown on Figure 3, and copies of the laboratory analytical reports are included in Appendix E.

3.4.2 Wetland Surface Water Sample Results Cleanup Level Comparison

Wetland surface water sample results were compared to the minimum applicable ecological RBCs for terrestrial receptors presented in Table 1b of Attachment B, and for freshwater aquatic receptors presented in Table 2 of Attachment C, of DEQ's ERA guidance document, last updated in 2020. For compounds without a current DEQ Table 2 aquatic RBC, U.S. EPA Regional Screening Levels (RSLs) for surface water aquatic life were used as surrogates. Table 3b presents a comparison of RBCs and maximum concentrations. Constituents that exceeded cleanup levels, or for which one-half the detection limit exceeded a cleanup level, in wetland surface water samples are summarized below in abbreviated Text Table 3.

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TEXT TABLE 3
MAXIMUM CONCENTRATIONS (EXCEEDANCES ONLY): SURFACE WATER

Analyte	Analytical Method	Maximum Result (ppb)	Minimum Applicable DEQ RBCs (ppb)	
			Terrestrial Ecological Receptors [f]	Aquatic Ecological Receptors [f,g]
Petroleum Hydrocarbons (PHCs)				
Diesel/Oil (Total Dx)	NWTPH-Dx	**4300** [a]	NA	640
Polycyclic Aromatic Hydrocarbons (PAHs)				
Dibenz(a,h)anthracene	EPA 8270E-SIM	< 0.026 [b]	5,900	0.012
Total HPAH [e]	EPA 8270E-SIM	HPAH HI = 3.38 [e]	NA	1.0
Total PAH [e]	EPA 8270E-SIM	Total PAH HI = 4.05 [e]	NA	1.0
Total Metals				
Copper	6010D	**2.1** [c]	12,000	1.4
Lead	6010D	**0.79**	4,300	0.54

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates one-half the method detection limit (detection limit) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Gasoline detections are attributed to overlap from diesel

e PAH class totals calculated as sum of individual compound concentrations, using ½ MDL for non-detect results. Comparison uses the Hazard Index (HI) approach per DEQ Table 2 footnotes: HI = Σ(Ci / RBCi) for compounds within each class. HI > 1.0 indicates a class-level risk concern. LPAH includes: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, 1-Methylnaphthalene, 2-Methylnaphthalene. HPAH includes: Fluoranthene, Pyrene, Benzo[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene, Dibenz(a,h)anthracene, Benzo[g,h,i]perylene. HI exceedance is driven by near-MDL concentrations of compounds with very low RBCs (Dibenz(a,h)anthracene, Indeno[1,2,3-cd]pyrene, Benzo[g,h,i]perylene: RBC = 0.012 µg/L; Anthracene: RBC = 0.02 µg/L).

f RBC Source Citations (f): Aquatic ecological receptor RBCs for all compounds with a current DEQ Table 2 entry are from Oregon DEQ, Guidance for Conducting Ecological Risk Assessments (September 2020), Attachment C: Risk-Based Concentrations for Water, Table 2 (Freshwater Aquatic Life Chronic). Terrestrial ecological receptor RBCs are from Oregon DEQ, Guidance for Conducting Ecological Risk Assessments (September 2020), Attachment B: Upland Risk-Based Concentrations, Table 1b. See footnote g for compounds without a current DEQ Table 2 aquatic RBC.

g Aquatic ecological receptor RBCs for the following 16 compounds are not listed in the current Oregon DEQ Table 2 and are sourced from U.S. EPA, Regional Screening Levels (RSLs) Summary Table (Surface Water — Aquatic Life), available at: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. These values should be verified against the current EPA RSL table prior to report finalization: 1,1-Dichloropropene (570 µg/L), 1,2,3-Trichloropropane (20 µg/L), 1,2-Dibromo-3-Chloropropane / DBCP (0.005 µg/L), 1,3-Dichloropropane (270 µg/L), 2,2-Dichloropropane (46 µg/L), 2-Chlorotoluene (460 µg/L), 4-Chlorotoluene (140 µg/L), Bromobenzene (450 µg/L), Bromochloromethane (30 µg/L), Chloroethane (13,000 µg/L), Chloromethane (13 µg/L), Dibromomethane (2,100 µg/L), n-Butylbenzene (530 µg/L), N-Propylbenzene (160 µg/L), sec-Butylbenzene (570 µg/L), tert-Butylbenzene (240 µg/L).

Although surface water results for samples SW1 and SW2 exceeded aquatic ecological RBCs, sample SW3 did not, indicating that the exceedances do not extend east of the highway. MSBA plans to complete a Level II Ecological Scoping to further evaluate these exceedances.

4.0 TEST PIT SOIL SAMPLING

On August 25 and September 8, 2025, MSBA directed the excavation of seven test pits to further evaluate the extent of PHCs north of the SPA. The test pits were completed, primarily within paved areas located to the north of the SPA and south of the ASTs and cardlock dispenser area (Figure 3). Soil samples collected from the test pits were labeled with a "TP" designation for test pit, and the last number in the sample ID represents the depth in feet (e.g., sample ***TP1-3*** was collected from test pit 1 at a depth of 3 feet bsg).

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A total of seven soil samples were collected—one from the bottom of each test pit, where bedrock was observed. PHCs were observed at all test pit locations. No shallow perched groundwater was encountered in the test pits.

4.1 Test Pit Sample Analytical Results

Diesel/oil was detected in all seven test pit samples, with concentrations ranging from 1,190 ppm (***TP4-2***) to 6,160 ppm (***TP6-3***). Gasoline was also detected in samples ***TP1-3***, ***TP2-3***, ***TP3-3***, ***TP4-2***, and ***TP5-3***; however, the laboratory attributed these detections to diesel overlap. Gasoline analysis was not performed on samples ***TP6-3*** and ***TP7-3***. VOCs, PAHs, and metals were also detected and are summarized in Table 1a. Diesel/oil results are shown on Figure 3, and copies of the laboratory analytical reports are included in Appendix D.

4.2 Test Pit Soil Sample Results Cleanup Level Comparison

The test pit soil sample results were compared to the minimum applicable RBCs for human health and safety, as outlined in the RBDM guidance, updated in 2023. Results were also compared to the minimum applicable ecological RBCs, presented in Table 1a of the ERA guidance. Table 1c presents a comparison of the RBCs and maximum detected concentrations for all soil samples collected at the site. Constituents that exceeded CULs, or for which one-half the detection limit exceeded a CUL, in soil samples are summarized below in abbreviated Text Table 4.

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TEXT TABLE 4
MAXIMUM CONCENTRATIONS (EXCEEDANCES ONLY): ALL SOIL

Analyte	Analytical Method	Maximum Concentration (ppm)	Minimum Applicable DEQ RBCs (ppm)	
			Human Receptors [g]	Ecological Receptors [f]
Petroleum Hydrocarbons (PHCs)				
Gasoline-Range Organics	NWTPH-Gx	**2,900** [a, d]	31	120
Diesel/Oil (Total Dx)	NWTPH-Dx	**28,200**	1,100	260
Volatile Organic Compounds (VOCs)				
1,1,2-Trichloroethane	EPA 8260D	< 0.43	0.0063	NA
1,1-Dichloroethane	EPA 8260D	< 0.32	0.044	210
1,2,4-Trimethylbenzene	EPA 8260D	**35**	10	NA
1,2-Dibromoethane (EDB)	EPA 8260D	< 0.26	0.00012	NA
1,2-Dichloroethane (EDC)	EPA 8260D	< 0.17	0.0028	0.85
1,3,5-Trimethylbenzene	EPA 8260D	**14**	11	NA
1,4-Dichlorobenzene	EPA 8260D	< 0.25	0.057	0.89
Benzene	EPA 8260D	< 0.12	0.023	24
Bromomethane	EPA 8260D	< 0.4	0.083	NA
Carbon tetrachloride	EPA 8260D	< 0.13	0.013	2
Chloroform	EPA 8260D	< 0.29	0.0034	8
Ethylbenzene	EPA 8260D	**2.1**	0.22	NA
Methyl tert-butyl ether	EPA 8260D	< 0.36	0.11	NA
Methylene Chloride	EPA 8260D	< 2.4	0.14	2.6
Naphthalene	EPA 8260D	**4.3**	0.077	1
Trichloroethene	EPA 8260D	< 0.092	0.013	42
Total Xylenes	EPA 8260D	**30**	23	1.4
Vinyl chloride	EPA 8260D	< 0.25	0.00057	0.12
Polynuclear Aromatic Hydrocarbons (PAHs)				
Naphthalene	EPA 8270E-SIM	**0.69**	0.077	1
Total HPAHs (4+ rings)	EPA 8270E-SIM	**4.93** [e]	NA	0.11
Total Metals				
Arsenic	6020B	**5.1** [c]	0.43	6.8
Barium	6020B	**220**	15,000	110
Cadmium	6020B	< 2.1	78	0.27
Copper	6020B	**28**	3100	14
Lead	6020B	**31**	30	11
Mercury	6020B	**0.098**	23	0.00035
Selenium	6020B	< 30	NA	0.52

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates one-half the method detection limit (non-detect) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Lab attributes detections to diesel overlap; DEQ notes potential red dye overlap

e Total LPAH and Total HPAH concentrations are the maximum sample-based calculated sums from Table 1a individual PAH results. Non-detect values are represented at one-half the method detection limit (1/2 MDL).

f Ecological RBCs are from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/cleanupTable1a1bEcoRBCs.xlsx; Ecological RBCs for Total LPAHs (2-3 rings) and Total HPAHs (4+ rings) from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil.

g Human health RBCs are the minimum applicable values from: Oregon DEQ, Risk-Based Concentrations for Individual Chemicals (Soil Ingestion, Dermal Contact, and Inhalation pathway, Residential Urban Residential scenario). Revision: May 2018 revised August 2023. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/rbdmtable.pdf

MSBA plans to conduct additional site investigation activities to further evaluate potential exposure pathways for human receptors and a Level II Ecological Scoping for ecological receptors.

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5.0 ADDITIONAL EXCAVATION CLEANUP AND CONFIRMATION SOIL SAMPLING

In August 2025, MSBA directed additional excavation cleanup activities at the SPA and collected confirmation soil samples to evaluate the extent of the remaining PHCs. The excavation cleanup and sampling activities were performed in general accordance with the MSBA FM&P and the *Focused Interim Remedial Action – South Parking Area* work plan, dated September 12, 2025. Following the excavation cleanup, a barrier was installed to prevent surface water runoff at the site from entering the wetland to the south and redirecting it to the highway drainage ditch to the east (Figure 4).

5.1 Additional Excavation Cleanup and Confirmation Soil Sampling

MSBA previously directed excavation cleanup activities to remove the highest concentrations of PHCs from the gravel area north of the wetland in November 2024. The previous excavation area is shown on Figure 3. Confirmation soil samples and field screening determined that PHCs remained and additional excavation cleanup activities were needed.

On August 29, 2025, MSBA directed additional excavation cleanup activities, expanding the previous excavation area to the north, south, and east. The cleanup targeted shallow soil containing the highest concentrations of PHCs in the SPA. An estimated 300 cubic yards of soil containing diesel was excavated to approximate depths ranging from 2 to 4 feet bsg, as shown on Figure 3. The excavated soil was stockpiled near the northeast property boundary pending disposal at the Wasco County Landfill. The combined total for the November 2024 and August 2025 excavations was approximately 709 tons. Disposal documentation is presented in Appendix B.

Shallow perched water and diesel free product were observed at a depth of 3 to 4 feet bsg at one location near the center of the excavation, adjacent to the underground sanitary sewer utility. The product was removed using sorbent pads and it did not re-enter the excavation. PHCs remained in the soil following the August 2025 excavation cleanup, with the highest concentrations beneath the asphalt to the north, which is consistent with observations at nearby test pits TP1, TP2, and TP3 (Section 4.0). Due to the proximity of the test pit samples, additional confirmation sidewall samples were not collected to the north. Confirmation soil samples ***S10-3***, ***S11-3***, ***S12-3, S12-3 DUP***, ***S13-2.5***, ***S14-2***, and ***S15-2*** were collected from the south sidewalls at depths of 2 to 3 feet bsg and analyzed for diesel/oil.

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5.2 Excavation Cleanup Soil Sample Analytical Results

Diesel/oil was detected in all samples at concentrations ranging from 9.2 ppm (***S14-2***) to 1,094 ppm (***S11-3***), which represented a significant decrease in concentrations compared to previous southern sidewall sample locations S3 through S8 from November 2024. A copy of the laboratory analytical report is presented in Appendix D, and diesel/oil results are shown on Figure 3.

5.3 Excavation Cleanup Soil Sample Results Cleanup Level Comparison

The excavation cleanup soil sample results were compared to the minimum applicable RBCs for human health and safety, as outlined in the RBDM guidance, updated in 2023. Results were also compared to the minimum applicable ecological RBCs, presented in Table 1a of the ERA guidance. Table 1c presents a comparison of reporting limits and maximum concentrations of all soil samples collected at the site. Constituents that exceeded cleanup levels were summarized previously in abbreviated Text Table 4 (Section 4.2). MSBA plans to conduct additional site investigation activities to further evaluate potential exposure pathways for human receptors and a Level II Ecological Scoping for ecological receptors.

5.4 Surface Water Diversion and Drainage Improvements

To prevent surface and subsurface water from entering the wetland area from the SPA, several barrier features were installed, including a petroleum-rated pond liner, a clay-filled trench, a subsurface clay layer, and a clay berm (Figure 4). The liner was placed adjacent to the earth blocks to seal cracks, and a narrow trench was excavated to bedrock or native clay, cleared of debris, and backfilled with clean clay from a nearby quarry to limit subsurface flow. A clay berm was constructed around the sewer pipe to block water movement from north to south, following the removal of loose material on either side of the pipe. An additional 12-inch-thick subsurface clay layer was placed along the bottom of the southern area to further inhibit water migration beneath the blocks. After installation of the barriers, the northern and southern SPA areas were backfilled with clean imported gravel and graded to match the existing asphalt surface, sloping gently toward the center and to the east. A cross section illustrating the features is shown on Figure 5. Surface water runoff and OWS discharge are now directed into the adjacent highway drainage ditch. The National Pollutant Discharge Elimination System (NPDES) 1200Z permit is being modified accordingly.

5.5 Application of Oxygen-Releasing Compound

Since residual PHCs remained following the additional excavation and reconstruction of the SPA, approximately 400 pounds of oxygen-releasing compound (ORC) from Regenesis were applied to the subsurface prior to backfilling to promote and enhance natural attenuation of these PHCs.

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About 100 pounds was placed in the southern area beneath the subsurface clay layer, and 300 pounds was applied in the northern area. A cross-section of the general application areas is presented as Figure 5. The ORC was intended as an interim remedial action rather than a full remedial treatment. MSBA anticipates that substantial natural attenuation will occur, which will be verified through future compliance sampling conducted as part of the monitoring and site closure process.

6.0 DATA QUALITY CONTROL SUMMARY

6.1 Equipment Blanks

Equipment blank samples were collected prior to the wetland sampling activities to assess potential cross-contamination. ***EB1-Soil*** was prepared by rinsing soil sampling tools with distilled water; ***EB2-GW*** was prepared by pumping distilled water through the surface water tubing system. Several analytes were detected at trace levels between the method detection limits (MDLs) and reporting limits (RLs). However, since the constituents were detected at such low concentrations below the RLs, the corresponding sample results were unlikely to be affected to a degree that would substantively change or alter the reported results or the current regulatory status of the site. Therefore, the results can be relied on for the intended purpose of this investigation. Due to the minimal nature of the test pit and excavation cleanup confirmation sampling, equipment blanks were not collected during those sampling events.

6.2 Trip Blanks

Trip blank samples were prepared by the laboratory (***Trip Blank***) and comprised of sample containers filled with de-ionized water. A trip blank sample was stored in each sample cooler during transport to and from the field/laboratory. The trip blank samples were analyzed for VOCs, which were not detected.

6.3 Field Duplicates

Field duplicate samples were collected for soil, sediment, and surface water to evaluate sampling precision.

- Wetland Soil (***WS3-0 DUP***): Relative Percent Differences (RPDs) = 0 to 105.6%, average 27.3%.

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- Wetland Sediment (***Sed2 DUP***): RPDs = 7.4 to 57.5%, average 28.1%.
- Wetland Surface Water (***SW2 DUP***): RPDs = 0 to 122%, average 20.4%.
- Test Pit Soil (***TP1-3 DUP***): RPDs = 0 to 184%, average 59.4%.
- Excavation Cleanup Soil (***S12-3 DUP***): RPDs = 18.2 to 26.1%, average 22.2%.

Although some RPDs exceeded the 30% quality control target, overall precision is acceptable. Higher RPDs were primarily associated with analytes near the laboratory reporting limits, where small concentration differences produce large percentage variations. Therefore, the results can be relied on for the intended purpose of this investigation.

6.4 Laboratory Quality Control Review

MSBA performed a quality control review of each laboratory analytical report. The following presents a discussion of the laboratory data qualifiers related to the sample results presented in this report. Several analytes and analyses were qualified by the laboratory, noting that the results are estimated due to: 1) matrix interference, 2) surrogate recoveries outside control limits, and/or 3) matrix spike and/or matrix spike duplicate results outside the acceptable limits. MSBA reviewed each of the individual qualifiers and determined that the corresponding sample results were not likely to be affected to a degree that would substantively change or alter the reported results or the current regulatory status of the site. The individual qualifiers are presented in the laboratory reports included in Appendices D and E. As stated previously, gasoline detections were attributed by the laboratory to overlap from diesel. Therefore, the gasoline detections are considered overlap and have been flagged by MSBA in the tables and figures. Based on this review, MSBA concludes that the sample data can be relied on for the intended purpose of this investigation.

7.0 ADDITIONAL PLANNED SITE ASSESSMENT ACTIVITIES

MSBA plans to complete additional sampling and site assessment activities in the coming months. Planned future work will include:

- Groundwater Monitoring Well Installation and Sampling
- Additional Wetland Soil, Sediment, Surface Water, and Seep Water Samples
- Removal of Oily Detritus Within the Wetland
- Soil Vapor Sampling
- Level II Ecological Scoping
- Remedial Action Evaluation

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Data quality objectives for the proposed additional sampling are presented in Appendix C.

7.1 Proposed Groundwater Monitoring Well Locations

As described in correspondence between DEQ Project Manager Jim Orr and MSBA (April 24–27, 2026), three monitoring wells will be installed. MW-1 and MW-2 will be installed to characterize groundwater quality downgradient of the SPA excavation. MW-3 (originally designated PZ-1 in the draft report and in the April 2026 correspondence) will be installed near the OWS to assess groundwater depth and flow direction; the well designation was updated from PZ-1 to MW-3 to reflect its construction as a standard 2-inch monitoring well consistent with MW-1 and MW-2. Soil cuttings will be field-screened using a PID and logged during drilling to document soil lithology and contaminant distribution. The three monitoring wells will be constructed using a direct-push rig to bedrock refusal or a maximum depth of 10 feet bsg, with 2-inch casing, screened from the bottom of the boring to approximately 2 feet bsg, a silica sand filter pack, a bentonite seal, and a flush-mount concrete monument. A variance will be obtained to ensure that the well screens extend above the anticipated groundwater levels.

Following installation, the monitoring well casings will be surveyed to evaluate the groundwater flow direction and gradient. Groundwater samples will be analyzed for diesel/oil both with and without silica gel cleanup (without sulfuric acid), per DEQ's request in the April 27, 2026, email correspondence. Groundwater samples will generally be analyzed to laboratory MDLs at or below the minimum applicable RBCs, as presented in Appendix C. Where commonly achievable analytical methods are unable to meet the most stringent cleanup levels, these limitations will be addressed within the site-specific risk-based evaluation.

The off-road diesel released at the site contains a red dye additive identified as Unisol® Liquid Red BK-50. The Safety Data Sheet (SDS), presented in Appendix F, for this product indicates it is a mixture composed primarily of petroleum hydrocarbons, including xylene, ethylbenzene, kerosene, and aromatic solvent naphtha, with the red dye component comprising approximately 30 to 40 percent of the mixture. The volatile and semi-volatile components of this additive have been identified as additional COIs. The proposed groundwater analytical suite, consisting of gasoline, diesel, oil, VOCs, and PAHs, is intended to capture both the petroleum hydrocarbon components and the potential volatile components of the red dye additive. The objectives for the monitoring well locations and the proposed analytical suite are presented in the table below.

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TEXT TABLE 5: SUMMARY OF PROPOSED GROUNDWATER MONITORING WELL LOCATIONS

Proposed Well ID	Sample Objective	Proposed Analytical
MW-1	Characterize groundwater quality downgradient of the South Parking Area (SPA) excavation	Gasoline, Diesel/Oil, VOCs, PAHs
MW-2	Characterize groundwater quality downgradient of the South Parking Area (SPA) excavation	Gasoline, Diesel/Oil, VOCs, PAHs
MW-3	Previously labeled PZ-1. Assess groundwater depth and flow direction near the OWS and characterize groundwater quality at the primary release location	Gasoline, Diesel/Oil, VOCs, PAHs

7.2 Proposed Additional Wetland Bank Soil Sample Locations

Additional wetland bank soil samples will be collected at a minimum of 11 locations (Figure 3). The precise sample locations may be modified in the field based on the presence of petroleum odor, sheen, staining, and elevated PID readings. Priority will be given to the vicinity of previous sample Sed 1 and the areas near WS2, WS3, and WS5, where elevated PID readings were observed. Samples will be collected by hand trowel or hand auger, consistent with MSBA's Field Methods and Procedures (FM&P). Field screening and collection will follow the July 25, 2025 Lawrence Oil *Wetland Sampling Plan*. Where lab results are comparable or lower than prior sample results at nearby proposed locations, MSBA proposes to limit analyses to gasoline, diesel, and oil, as VOCs, and PAHs. The objectives for the sample locations and the proposed analytical suite are presented in the table below.

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TEXT TABLE 6: SUMMARY OF PROPOSED WETLAND SOIL SAMPLE LOCATIONS

Proposed Sample ID	Sample Objective	Proposed Analytical
WS10 and WS19	Evaluate wetland soil on south side of wetland	Gasoline, Diesel/Oil, VOCs, PAHs
WS11, WS12	Evaluate extent of impacted soil to the north of previous samples collected at the approximate water level	Gasoline, Diesel/Oil
WS17	Evaluate concentrations south of WS8, which was collected north of the water level at the time of sampling	Gasoline, Diesel/Oil
WS18	Evaluate unexpected detection at WS9 and the eastern extent	Gasoline, Diesel/Oil
WS5-1	Evaluate vertical extent of diesel/oil at WS5	Gasoline, Diesel/Oil
WS13	Evaluate lateral extent to the west of WS5	Gasoline, Diesel/Oil
WS14	Evaluate lateral extent to the south of WS5, at the water level	Gasoline, Diesel/Oil
WS15	Evaluate lateral extent to the north of WS5	Gasoline, Diesel/Oil
WS16	Evaluate lateral extent to the east of WS5 and WS7	Gasoline, Diesel/Oil

7.3 Proposed Additional Wetland Sediment Sample Locations

Additional sediment samples will be collected at four locations (Sed 3 through Sed 6) (Figure 3). The precise sample locations may be modified in the field based on the presence of petroleum odor, sheen, staining, accessibility, and elevated PID readings. Samples will be collected from the top 2 inches of saturated sediment, consistent with the FM&P and previous sediment samples collected. The samples will be analyzed for gasoline, diesel/oil, VOCs, and PAHs. The objectives for the sample locations are presented in the table below.

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TEXT TABLE 7: SUMMARY OF PROPOSED SEDIMENT SAMPLE LOCATIONS

Proposed Sample ID	Sample Objective	Proposed Analytical
Sed 3	Evaluate western extent of impacted sediment	Gasoline, Diesel/Oil, VOCs, PAHs
Sed 4	Further evaluate the extent to the east of previous sample Sed 1, which contained the highest concentrations	Gasoline, Diesel/Oil, VOCs, PAHs
Sed 5	Evaluate sediment downstream of the former stormwater drainage and highest concentrations in wetland soil	Gasoline, Diesel/Oil, VOCs, PAHs
Sed 6	Evaluate eastern extent of impacted sediment	Gasoline, Diesel/Oil, VOCs, PAHs

7.4 Proposed Additional Surface Water Sample Locations

Additional surface water samples will be collected at two locations (SW4 and SW5) to evaluate concentrations to the east and west of the previous sample locations SW1 and SW2 (Figure 3). Samples will be collected from the approximate middle of the water using a peristaltic pump and tubing as described in Section 3.4, consistent with the FM&P and the July 25, 2025 *Wetland Sampling Plan*. In addition, if surface runoff is observed at other locations, such as the western portion of the property, samples will be collected at the point where surface water enters the wetland. The samples will be analyzed for gasoline, diesel/oil, VOCs, and PAHs. The objectives for the sample locations are presented in the table below.

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TEXT TABLE 8: SUMMARY OF PROPOSED SURFACE WATER SAMPLE LOCATIONS

Proposed Sample ID	Sample Objective	Proposed Analytical
SW4	Evaluate eastern extent of impacted surface water	Gasoline, Diesel/Oil, VOCs, PAHs
SW5	Further evaluate the extent to the west of previous sample SW1, which contained the highest diesel concentration in surface water	Gasoline, Diesel/Oil, VOCs, PAHs

7.5 Proposed Sampling and Inspection of Potential Seeps

Seep samples will be collected during or following a significant precipitation event, if observed. Potential seep locations have been identified near previous wetland soil sample locations WS2-0 and WS3-0; however, seeps may or may not be present at the time of sampling. If identified, additional seep locations will be sampled. The samples will be analyzed for gasoline, diesel/oil, VOCs, and PAHs.

7.6 Proposed Sampling of Waterline Organic Detritus

A layer of organic detritus, consisting of accumulated leaf litter, woody debris, and organic material, is present in places along the sides of the wetland swale. This material is visually oily in areas and is distinct from the wetland bank soil samples collected at WS1 through WS9 and from the discrete saturated sediment samples collected at Sed 1 and Sed 2. It is treated as a separate sample matrix for the purposes of this investigation.

This material was not sampled during the August and November 2025 wetland investigation due to analytical concerns related to the high organic content of the matrix, and an assumption that the material would be removed as part of remediation and that previously collected worst-case wetland soil and product samples would provide sufficient information for waste characterization and disposal authorization. In an effort to better quantify PHC concentrations throughout the wetland swale and more fully characterize the nature and extent of contamination, additional samples will be collected from up to five locations.

Sample locations will be selected in the field based on proximity to wetland soil sample locations where elevated concentrations of COPCs were detected, including the vicinity of Sed 1 and the area between WS2, WS3, and WS5, as well as any additional areas of observed sheen, odor, or

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staining along the waterline. Samples will be collected by hand grab or hand trowel into appropriate laboratory containers. The samples will be analyzed for gasoline, diesel/oil, VOCs, and PAHs.

7.7 Soil Vapor Sampling

Following completion of groundwater monitoring well installation and sampling, MSBA will evaluate potential soil vapor sample locations based on groundwater results and existing soil data. The groundwater data will be used to assess locations where volatile contaminants of interest are present at concentrations warranting a soil vapor investigation.

7.8 Level II Ecological Evaluation

Following the collection and review of the additional wetland soil, sediment, surface water, and seep data described above, MSBA will complete a Level II Ecological Evaluation. The Level II evaluation will build on the preliminary ecological scoping completed to date and will use the additional sampling data to more fully characterize potential ecological risks associated with site contamination in accordance with DEQ guidance.

7.9 Remedial Action Evaluation

Following the collection and evaluation of the additional site investigation data described in this section, MSBA will evaluate appropriate remedial actions. The remedial action evaluation will consider the nature and extent of contamination, applicable cleanup standards, site-specific conditions, and the results of the Level II Ecological Evaluation, and will be presented in a subsequent report to DEQ.

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8.0 REMARKS AND SIGNATURES

The information/conclusions/recommendations contained in this report were arrived at in accordance with currently accepted professional geologic and environmental practices at this time and location. No warranties are intended or implied. Martin S. Burck Associates, Inc. is not responsible for the independent interpretations, conclusions, or actions of others derived from or based on the information presented herein.

Information and opinions presented in this report are based on the collection and review of data from limited portions of the site, subsurface, and surroundings. Martin S. Burck Associates, Inc. is not responsible for conditions at specific portions of the site that were not investigated; for conditions that are not reported or properly presented; or for future activities or investigations that may alter the current condition or understanding of the site.

Please contact me at (541) 387-4422 if you have any questions regarding this report.

Sincerely,
Martin S. Burck Associates, Inc.

Josh Owen Date
Senior Project Manager

Reviewed by:

Martin S. Burck, LG/RG Date
Licensed/Registered Geologist OR, W

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Please contact me at (541) 387-4422 or jowen@msbaenvironmental.com if you have any questions regarding this response or the enclosed final report.

Sincerely,

Josh Owen
Senior Project Manager
Martin S. Burck Associates, Inc.

Attachments: Safety Data Sheet for Unisol® Liquid Red BK-50

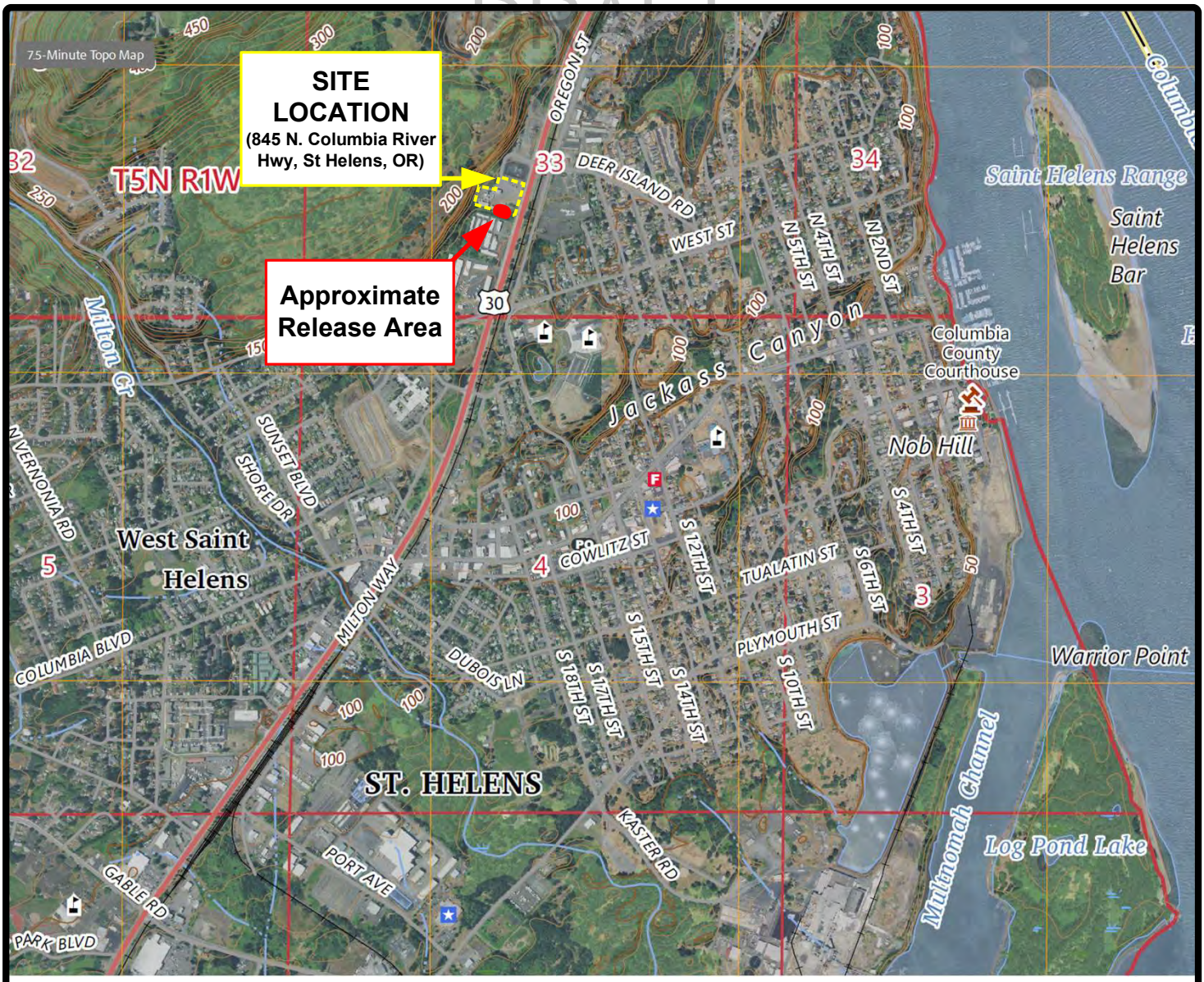
Enclosures: August-November 2025 Site Investigation Report (Rev 1)
cc: Wesley Thomas, DEQ
Todd Vanek, DEQ
Jenn Peterson, DEQ
Dave Lawrence, Lawrence Oil Company

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Figures

Figure 1 Site Location Map
Figure 2 Site Layout Map
Figure 3 Diesel and Oil Data Map
Figure 4 Drainage Modifications Plan View
Figure 5 South Parking Area Cross Section A-A’

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Adapted from: Saint Helens Quadrangle
Oregon, 7.5 Minute Series, Contour Interval 10 feet
USGS Topographic Map, 2024
North American Vertical Datum of 1988
Not to Scale

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Geologic and Environmental Consulting Services

NORTH

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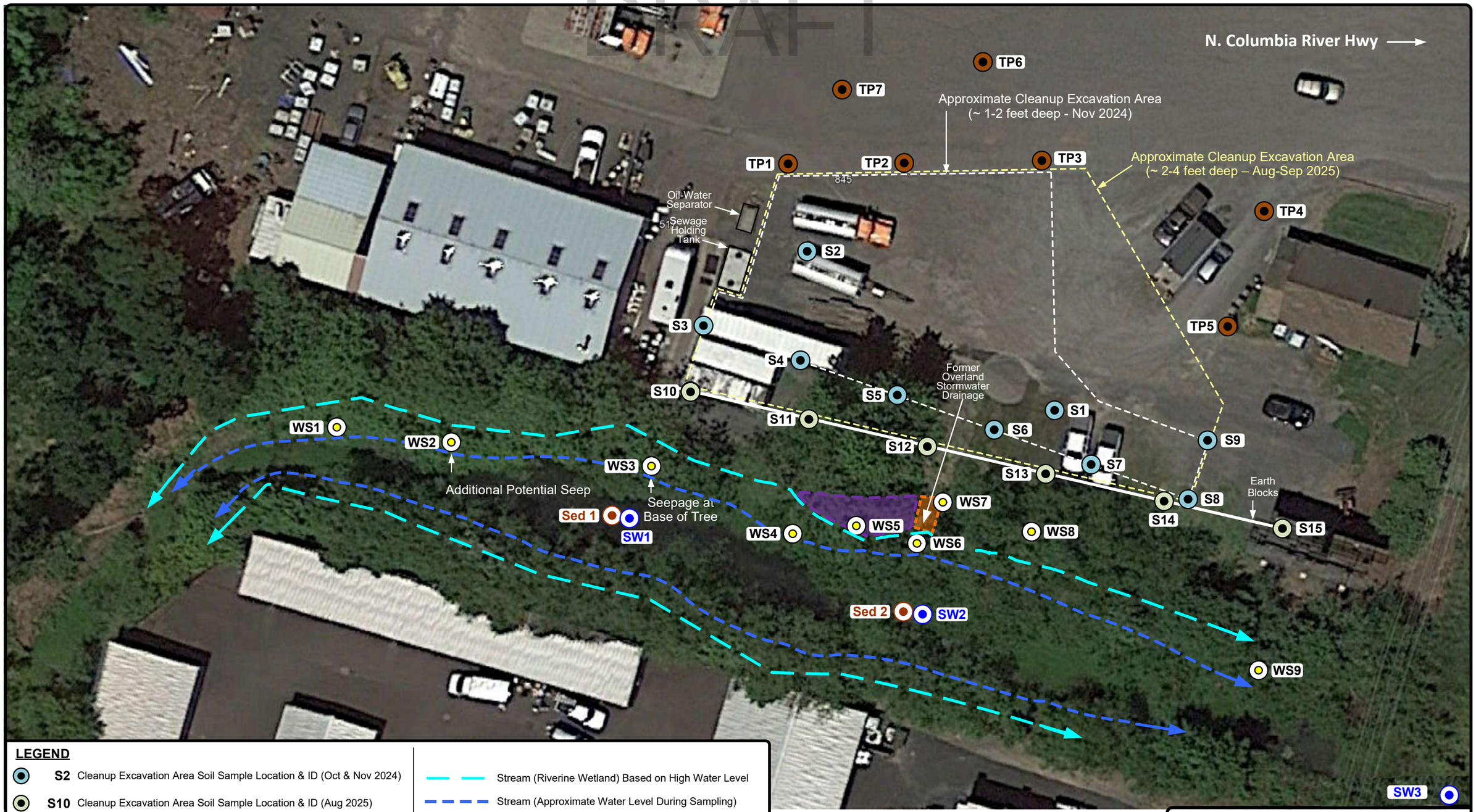
FIGURE 1

SITE LOCATION MAP

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy
St Helens, OR
ECSI No. 6720

S:\Project Files\Lawrence Oil Co - St Helens\Figures\F 1 Site Location Map.vsd

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LEGEND

- **S2** Cleanup Excavation Area Soil Sample Location & ID (Oct & Nov 2024)
- **S10** Cleanup Excavation Area Soil Sample Location & ID (Aug 2025)
- **TP1** Test Pit (TP) Soil Sample Location & ID (Aug & Sep 2025)
- **WS1** Wetland Soil (WS) Sample Location & ID (Aug 2025)
- **Sed 2** Bottom Sediment (Sed) Sample Location & ID (Aug 2025)
- **SW1** Surface Water (SW) Sample Location & ID (Aug and Nov 2025)

- Stream (Riverine Wetland) Based on High Water Level
- Stream (Approximate Water Level During Sampling)
- Seasonally Flooded Palustrine Forested Wetland
- Former Overland Stormwater Drainage

Revised 12/19/2025 2:00 PM

NORTH

0 15 30

Approximate Scale (feet)

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FIGURE 2

SITE LAYOUT MAP

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy
St Helens, OR

S:\Project Files\Lawrence Oil Co - St Helens\Figures\(2025 12 19) Wetland Sampling Rpt\F2 Site Layout Map.vsd

DRAFT

NORTH

0 15 30

Approximate Scale (feet)

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N. Columbia River Hwy

TP6-3 Dx 6,160

TP7-3 Dx 5,180

Approximate Cleanup Excavation Area (~ 1 foot deep - Nov 2024)

TP1-3/DUP [a] Dx 5,040

TP2-3 Dx 1,039

TP3-3 Dx 5,310

Approximate Cleanup Excavation Area (~ 2-4 feet deep – Aug-Sep 2025)

845

Oil-Water Separator

Sewage Holding Tank

Proposed MW-3

TP4-2 Dx 1,190

S2-0.5

Composite of S1-0.5 & S2-0.5 Dx 27,950

S3-1 Dx 182

TP5-3 Dx 3,850

S4-1 Dx 6,910

Former Overland Stormwater Drainage

Proposed MW-2

S10-3 Dx < 12.5

S5-1 Dx 128

S1-0.5

S11-3 Dx 1,094

S6-1 Dx 510

S9-1 Dx 6,630

S12-3/DUP [a] Dx 500

S13-2.5 Dx 29.7

S7-1 Dx 4,060

WS1-0 Dx 16.1

WS11

WS2-0 Dx 883

WS12

WS3-0/DUP [a] Dx 229

Additional Potential Seep

Seepage at Base of Tree

SW5

Sed 3

WS13

WS15

WS7-0 Dx 2,410

WS16

S8-1 Dx 22.9

Earth Blocks

Proposed MW-1

S14-2 Dx 9.2

S15-2 Dx < 27

WS10

Sed 1 Dx 18,300

SW1 Dx 4,300

WS4-0 Dx 30

WS5-0 Dx 26,200

WS14

WS6-0 Dx < 13.4

WS6-1.5 D < 12.1

WS8-0 Dx 370

WS17

WS5-1

Sed 4

Sed 2/DUP [a] Dx 134

SW2/DUP [a] Dx 1,450

WS9-0 Dx 2,170

WS19

Sed 5

WS18

SW4

Sed 6

SW3 Dx 440

LEGEND

- S4-1 — Slash Over Sample Symbol and Gray Shading of Results Indicate Sample Represents Soil Removed During Cleanup
- Proposed Surface Water Sample Location (SW)
- Proposed Sediment Sample Location (Sed)
- Proposed Wetland Soil Sample Location (WS)
- Cleanup Excavation Area Soil Sample Location (Oct & Nov 2024)
- Cleanup Excavation Area Soil Sample Location (Aug 2025)
- Test Pit (TP) Soil Sample Location (Aug & Sep 2025)
- Wetland Soil (WS) Sample Location (Aug 2025)
- Bottom Sediment (Sed) Sample Location (Aug 2025)
- Surface Water (SW) Sample Location (Aug and November 2025)

S14-2 Dx 9.2 — Soil Sample ID; Last Number Indicates Depth in Feet Bsg
Diesel/Oil Concentration (NWTPH-Dx) (ppm)

Sed 1 Dx 18,300 — Sediment Sample ID
Diesel/Oil Concentration (NWTPH-Dx) (ppm)

SW1 Dx 4,300 — Surface Water Sample ID
Diesel/Oil Concentration (NWTPH-Dx) (ppb)

< — Not Detected Above the Reporting Limit, as Listed

Bold Value — Indicates Analyte Was Detected Above the Method Detection Limit (MDL)

* — Gasoline was Attributed to Overlap from Diesel by the Lab

a — A Duplicated Sample was Collected for Qua
Listed Result Represents the Highest Detected Concentration (or MDL)

Stream (Riverine Wetland) Based on High Water Level

Stream (Approximate Water Level During Sampling)

Seasonally Flooded Palustrine Forested Wetland

Former Overland Stormwater Drainage

Revised 6/25/2026 4:02 PM

FIGURE 3

DIESEL AND OIL DATA MAP

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy
St Helens, OR

S:\Project Files\Lawrence Oil Co - St Helens\Figures\(2025 12 19) Wetland Sampling Rpt\F3 Wetland Sample Data Map (2026 June adtl proposed).vsdx

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Inferred Perched Water Flow Direction

Inferred Surface Water Flow Direction

Asphalt Berm Surface Water Diversion

A'

Asphalt

Columbia River Hwy

Edge of Asphalt

Influent

Proposed MW-3

Oil-Water Separator

Discharge

Approximate Cleanup Excavation Area

Gravel Surface

Gravel Surface

Office Parking

Warehouse

Sewage Holding Tank

Concrete Loading Dock

300 lbs of ORC

South Parking Area

Approximate Surface Drainage Trench

Office

Native Silty Clay

Subsurface Clay Barrier

Clay Berm

Proposed MW-2

100 lbs of ORC

A

Cross-Section Shown on Figure 5

Wetland

Underground Sewer Utility

Sewer Tank Pump Station

Earth Blocks

Pond Liner

Clay Filled Trench

Proposed MW-1

Highway Drainage Ditch

Top of Embankment

Native Silty Clay

Wetland

NORTH

0 10 20

Approximate Scale (feet)

Revised: 6/25/2026 4:07 PM

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FIGURE 4

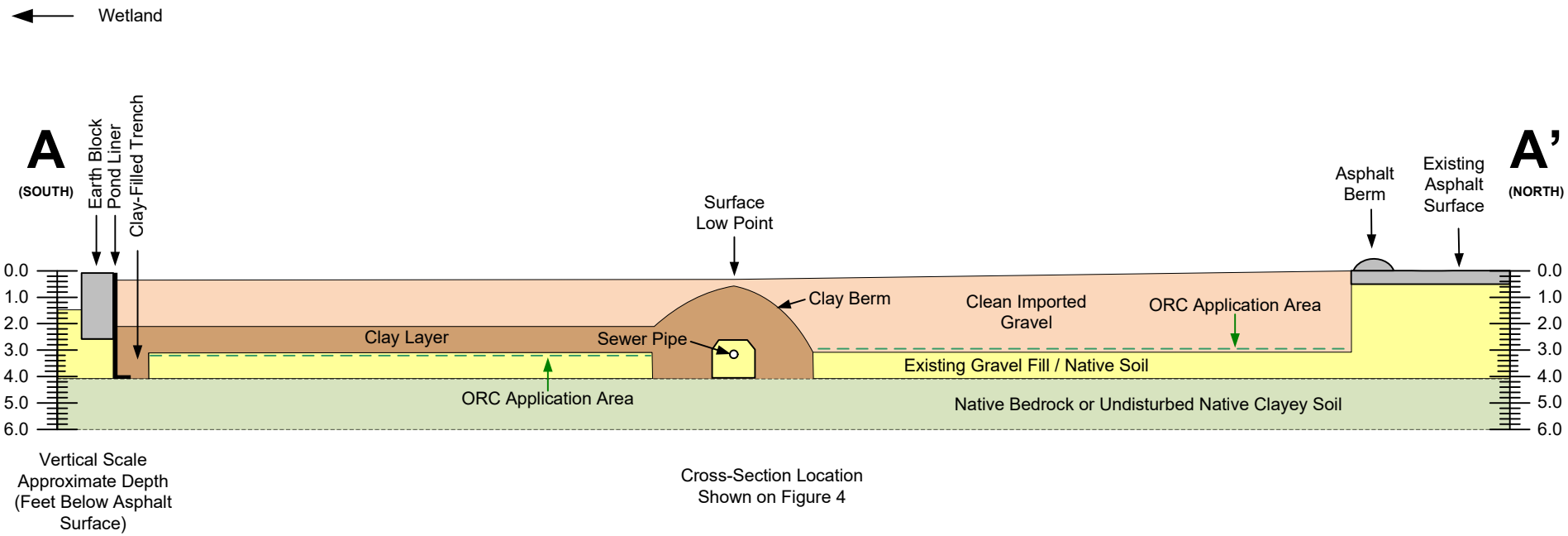
DRAINAGE MODIFICATIONS PLAN VIEW

Lawrence Oil Company Bulk Plant

845 N. Columbia River Hwy

St Helens, Oregon

S:\Project Files\Lawrence Oil Co - St Helens\Figures\(2025 12 19) Wetland Sampling Rpt\F4 Drainage Plan View.vsd



0 5 10

Approximate Horizontal Scale (feet)

Revised: 12/19/2025 2:09 PM

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FIGURE 5

SOUTH PARKING AREA CROSS SECTION A - A'

Lawrence Oil Company Bulk Plant
845 N. Columbia River Hwy
St. Helens, Oregon

S:\Project Files\Lawrence Oil Co - St Helens\Figures\(2025 12 19) Wetland Sampling Rpt\F5 Cross-Section (msb2).vsd

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Tables

Table 1a Soil Sample Analytical Data
Table 1b Maximum Concentrations: Wetland Soil
Table 1c Maximum Concentrations: All Soil Samples
Table 2a Sediment Sample Analytical Data
Table 2b Maximum Concentrations: Wetland Sediment
Table 3a Surface Water Sample Analytical Data
Table 3b Maximum Concentrations: Surface Water Samples

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
Initial 2024 South Parking Area Soil Samples																	
Composite of S1 and S2	10/17/2024	0	Diesel	**27000**	230				1,1,1,2-Tetrachloroethane	ND	0.23	Arsenic	ND	4.2			
Composite of S1 and S2			Oil	**950**	280				1,1,1-Trichloroethane	ND	0.21	Barium	**48**	2.8			
Composite of S1 and S2			Diesel/Oil (Total Dx)	**27950**	280				1,1,2,2-Tetrachloroethane	ND	0.35	Cadmium	ND	0.50			
Composite of S1 and S2			Gasoline	**2900** [b]	22				1,1,2-Trichloroethane	ND	0.43	Chromium	**4.9**	1.5			
Composite of S1 and S2									1,1-Dichloroethane	ND	0.32	Lead	ND	12			
Composite of S1 and S2									1,1-Dichloroethene	ND	0.41	Selenium	ND	25			
Composite of S1 and S2									1,1-Dichloropropene	ND	0.21	Silver	ND	2.4			
Composite of S1 and S2									1,2,3-Trichlorobenzene	ND	0.41	Mercury	ND	0.012			
Composite of S1 and S2									1,2,3-Trichloropropane	ND	0.45						
Composite of S1 and S2									1,2,4-Trichlorobenzene	ND	0.23						
Composite of S1 and S2									1,2,4-Trimethylbenzene	**35**	0.28						
Composite of S1 and S2									1,2-Dibromo-3-Chloropropane	ND	0.73						
Composite of S1 and S2									1,2-Dichlorobenzene	ND	0.28						
Composite of S1 and S2									1,2-Dichloroethane	ND	0.27						
Composite of S1 and S2									1,2-Dichloropropane	ND	0.37						
Composite of S1 and S2									1,3,5-Trimethylbenzene	**14**	0.39						
Composite of S1 and S2									1,3-Dichlorobenzene	ND	0.15						
Composite of S1 and S2									1,3-Dichloropropane	ND	0.36						
Composite of S1 and S2									1,4-Dichlorobenzene	ND	0.25						
Composite of S1 and S2									2,2-Dichloropropane	ND	0.30						
Composite of S1 and S2									2-Chlorotoluene	ND	0.20						
Composite of S1 and S2									4-Chlorotoluene	ND	0.28						
Composite of S1 and S2									Benzene	ND	0.12						
Composite of S1 and S2									Bromobenzene	ND	0.27						
Composite of S1 and S2									Bromoform	ND	0.23						
Composite of S1 and S2									Bromomethane	ND	0.40						
Composite of S1 and S2									Carbon tetrachloride	ND	0.13						
Composite of S1 and S2									Chlorobenzene	ND	0.25						
Composite of S1 and S2									Chlorobromomethane	ND	0.49						
Composite of S1 and S2									Chlorodibromomethane	ND	0.20						
Composite of S1 and S2									Chloroethane	ND	0.69						
Composite of S1 and S2									Chloroform	ND	0.29						
Composite of S1 and S2									Chloromethane	ND	0.51						
Composite of S1 and S2									cis-1,2-Dichloroethene	ND	0.25						
Composite of S1 and S2									cis-1,3-Dichloropropene	ND	0.25						
Composite of S1 and S2									Dibromomethane	ND	0.27						
Composite of S1 and S2									Dichlorobromomethane	ND	0.76						
Composite of S1 and S2									Dichlorodifluoromethane	ND	0.34						
Composite of S1 and S2									Ethylbenzene	**2.1**	0.20						
Composite of S1 and S2									Ethylene Dibromide	ND	0.41						
Composite of S1 and S2									Hexachlorobutadiene	ND	0.20						
Composite of S1 and S2									Isopropylbenzene	**1.3**	0.38						
Composite of S1 and S2									m,p-Xylene	**19**	0.35						
Composite of S1 and S2									Methyl tert-butyl ether	ND	0.36						
Composite of S1 and S2									Methylene Chloride	ND	2.4						
Composite of S1 and S2									Naphthalene	**4.3**	0.34						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
Composite of S1 and S2									n-Butylbenzene	**5.3**	0.33						
Composite of S1 and S2									N-Propylbenzene	**4.0**	0.32						
Composite of S1 and S2									o-Xylene	**11**	0.28						
Composite of S1 and S2									sec-Butylbenzene	**1.9**	0.23						
Composite of S1 and S2									Styrene	ND	0.29						
Composite of S1 and S2									tert-Butylbenzene	**0.26**	0.24						
Composite of S1 and S2									Tetrachloroethene	ND	0.21						
Composite of S1 and S2									Toluene	**0.72**	0.55						
Composite of S1 and S2									trans-1,2-Dichloroethene	ND	0.28						
Composite of S1 and S2									trans-1,3-Dichloropropene	ND	0.32						
Composite of S1 and S2									Trichloroethene	ND	0.092						
Composite of S1 and S2									Vinyl chloride	ND	0.25						
Composite of S1 and S2									Xylenes, Total	**30**	0.63						
November 2024 South Parking Area Excavation Cleanup Soil Samples																	
S3-1	11/7/2024	1	Diesel	**62**	4.5												
S3-1			Oil	**120**	5.3												
S3-1			Diesel/Oil (Total Dx)	**182**	5.3												
S4-1	11/7/2024	1	Diesel	**6700**	45												
S4-1			Oil	**210**	54												
S4-1			Diesel/Oil (Total Dx)	**6910**	54												
S5-1	11/7/2024	1	Diesel	**46**	4.7												
S5-1			Oil	**82**	5.6												
S5-1			Diesel/Oil (Total Dx)	**128**	5.6												
S6-1	11/8/2024	1	Diesel	**390**	4.9												
S6-1			Oil	**120**	5.8												
S6-1			Diesel/Oil (Total Dx)	**510**	5.8												
S7-1	11/8/2024	1	Diesel	**3900**	45												
S7-1			Oil	**160**	53												
S7-1			Diesel/Oil (Total Dx)	**4060**	53												
S8-1	11/8/2024	1	Diesel	**16**	4.4												
S8-1			Oil	**6.9**	5.3												
S8-1			Diesel/Oil (Total Dx)	**22.9**	5.3												
S9-1	11/8/2024	1	Diesel	**6400**	46												
S9-1			Oil	**230**	55												
S9-1			Diesel/Oil (Total Dx)	**6630**	55												
August 2025 Test Pit Soil Samples																	
TP1-3	8/25/2025	3	Diesel	**4900**	57	Naphthalene	**0.096**	0.0028	Dichlorodifluoromethane	ND	0.042	Mercury	**0.027**	0.012			
TP1-3			Oil	**140**	68	2-Methylnaphthalene	**0.05**	0.0041	Chloromethane	ND	0.062	Arsenic	ND	4.9			
TP1-3			Diesel/Oil (Total Dx)	**5040**	68	1-Methylnaphthalene	**0.082**	0.0029	Vinyl chloride	ND	0.030	Barium	**220**	3.3			
TP1-3			Gasoline	**910** [b]	27	Acenaphthylene	ND	0.0044	Bromomethane	ND	0.049	Cadmium	ND	2.1			
TP1-3						Acenaphthene	**0.082**	0.0033	Chloroethane	ND	0.083	Chromium	**12**	1.7			
TP1-3						Fluorene	**0.07**	0.0029	Trichlorofluoromethane	ND	0.049	Lead	ND	14			
TP1-3						Phenanthrene	**0.091**	0.0048	1,1-Dichloroethene	ND	0.050	Selenium	ND	30			
TP1-3						Anthracene	**0.11**	0.0026	Methylene Chloride	ND	0.30	Silver	ND	2.8			
TP1-3						Fluoranthene	**0.24**	0.0033	trans-1,2-Dichloroethene	ND	0.034						
TP1-3						Pyrene	**0.68**	0.005	1,1-Dichloroethane	ND	0.039						
TP1-3						Benzo[a]anthracene	**0.0069**	0.0028	2,2-Dichloropropane	ND	0.036						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP1-3						Chrysene	**0.0041**	0.002	cis-1,2-Dichloroethene	ND	0.031						
TP1-3						Benzo[b]fluoranthene	ND	0.0046	Bromochloromethane	ND	0.059						
TP1-3						Benzo[k]fluoranthene	ND	0.0033	Chloroform	ND	0.035						
TP1-3						Benzo[a]pyrene	ND	0.0056	1,1,1-Trichloroethane	ND	0.026						
TP1-3						Indeno[1,2,3-cd]pyrene	ND	0.0039	Carbon tetrachloride	ND	0.016						
TP1-3						Dibenz(a,h)anthracene	ND	0.0037	1,1-Dichloropropene	ND	0.026						
TP1-3						Benzo[g,h,i]perylene	ND	0.0031	Benzene	ND	0.015						
TP1-3									1,2-Dichloroethane (EDC)	ND	0.032						
TP1-3									Trichloroethene	ND	0.011						
TP1-3									1,2-Dichloropropane	ND	0.045						
TP1-3									Dibromomethane	ND	0.033						
TP1-3									Bromodichloromethane	ND	0.092						
TP1-3									cis-1,3-Dichloropropene	ND	0.030						
TP1-3									Toluene	ND	0.067						
TP1-3									trans-1,3-Dichloropropene	ND	0.039						
TP1-3									1,1,2-Trichloroethane	ND	0.052						
TP1-3									Tetrachloroethene	ND	0.026						
TP1-3									1,3-Dichloropropane	ND	0.044						
TP1-3									Dibromochloromethane	ND	0.024						
TP1-3									1,2-Dibromoethane (EDB)	ND	0.050						
TP1-3									Chlorobenzene	ND	0.031						
TP1-3									Ethylbenzene	ND	0.024						
TP1-3									1,1,1,2-Tetrachloroethane	ND	0.028						
TP1-3									1,1,2,2-Tetrachloroethane	**0.74**	0.043						
TP1-3									m-Xylene & p-Xylene	ND	0.042						
TP1-3									o-Xylene	ND	0.034						
TP1-3									Styrene	ND	0.035						
TP1-3									Bromoform	ND	0.028						
TP1-3									Isopropylbenzene	ND	0.046						
TP1-3									Bromobenzene	ND	0.033						
TP1-3									N-Propylbenzene	ND	0.039						
TP1-3									1,2,3-Trichloropropane	ND	0.054						
TP1-3									2-Chlorotoluene	**0.054**	0.024						
TP1-3									1,3,5-Trimethylbenzene	**0.32**	0.047						
TP1-3									4-Chlorotoluene	ND	0.034						
TP1-3									tert-Butylbenzene	ND	0.029						
TP1-3									1,2,4-Trimethylbenzene	**0.30**	0.035						
TP1-3									sec-Butylbenzene	**0.078**	0.028						
TP1-3									1,3-Dichlorobenzene	ND	0.019						
TP1-3									p-Isopropyltoluene	**0.56**	0.030						
TP1-3									1,4-Dichlorobenzene	ND	0.030						
TP1-3									n-Butylbenzene	**0.23**	0.041						
TP1-3									1,2-Dichlorobenzene	ND	0.034						
TP1-3									1,2-Dibromo-3-Chloropropane	**0.72**	0.089						
TP1-3									1,2,4-Trichlorobenzene	**0.060**	0.027						
TP1-3									1,2,3-Trichlorobenzene	ND	0.049						
TP1-3									Hexachlorobutadiene	ND	0.024						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP1-3									Naphthalene	**0.44**	0.041						
TP1-3									Methyl tert-butyl ether	ND	0.044						
TP1-3																	
TP1-3 dup	8/25/2025	3	Diesel	**4000**	5.3	Naphthalene	**0.095**	0.027	Dichlorodifluoromethane	ND	0.036	Mercury	**0.023**	0.012			
TP1-3 dup			Oil	**140**	6.3	2-Methylnaphthalene	**0.092**	0.039	Chloromethane	ND	0.053	Arsenic	ND	4.7			
TP1-3 dup			Diesel/Oil (Total Dx)	**4140**	6.3	1-Methylnaphthalene	**0.13**	0.028	Vinyl chloride	ND	0.026	Barium	**160**	3.2			
TP1-3 dup			Gasoline	**860** [b]	23	Acenaphthylene	ND	0.042	Bromomethane	ND	0.042	Cadmium	ND	2.0			
TP1-3 dup						Acenaphthene	**0.052**	0.032	Chloroethane	ND	0.072	Chromium	**11**	1.7			
TP1-3 dup						Fluorene	**0.032**	0.028	Trichlorofluoromethane	ND	0.042	Lead	ND	14			
TP1-3 dup						Phenanthrene	**0.15**	0.045	1,1-Dichloroethene	ND	0.044	Selenium	ND	29			
TP1-3 dup						Anthracene	**0.23**	0.025	Methylene Chloride	ND	0.26	Silver	ND	2.7			
TP1-3 dup						Fluoranthene	ND	0.031	trans-1,2-Dichloroethene	ND	0.029						
TP1-3 dup						Pyrene	**1.1**	0.048	1,1-Dichloroethane	ND	0.034						
TP1-3 dup						Benzo[a]anthracene	ND	0.027	2,2-Dichloropropane	ND	0.031						
TP1-3 dup						Chrysene	ND	0.019	cis-1,2-Dichloroethene	ND	0.027						
TP1-3 dup						Benzo[b]fluoranthene	ND	0.044	Bromochloromethane	ND	0.051						
TP1-3 dup						Benzo[k]fluoranthene	ND	0.031	Chloroform	ND	0.030						
TP1-3 dup						Benzo[a]pyrene	ND	0.053	1,1,1-Trichloroethane	ND	0.022						
TP1-3 dup						Indeno[1,2,3-cd]pyrene	ND	0.037	Carbon tetrachloride	ND	0.014						
TP1-3 dup						Dibenz(a,h)anthracene	ND	0.036	1,1-Dichloropropene	ND	0.022						
TP1-3 dup						Benzo[g,h,i]perylene	ND	0.029	Benzene	ND	0.013						
TP1-3 dup									1,2-Dichloroethane (EDC)	ND	0.028						
TP1-3 dup									Trichloroethene	ND	0.0097						
TP1-3 dup									1,2-Dichloropropane	ND	0.039						
TP1-3 dup									Dibromomethane	ND	0.028						
TP1-3 dup									Bromodichloromethane	ND	0.079						
TP1-3 dup									cis-1,3-Dichloropropene	ND	0.026						
TP1-3 dup									Toluene	ND	0.058						
TP1-3 dup									trans-1,3-Dichloropropene	ND	0.034						
TP1-3 dup									1,1,2-Trichloroethane	ND	0.045						
TP1-3 dup									Tetrachloroethene	ND	0.022						
TP1-3 dup									1,3-Dichloropropane	ND	0.038						
TP1-3 dup									Dibromochloromethane	ND	0.021						
TP1-3 dup									1,2-Dibromoethane (EDB)	ND	0.043						
TP1-3 dup									Chlorobenzene	ND	0.026						
TP1-3 dup									Ethylbenzene	ND	0.021						
TP1-3 dup									1,1,1,2-Tetrachloroethane	ND	0.025						
TP1-3 dup									1,1,2,2-Tetrachloroethane	ND	0.037						
TP1-3 dup									m-Xylene & p-Xylene	ND	0.037						
TP1-3 dup									o-Xylene	ND	0.029						
TP1-3 dup									Styrene	ND	0.030						
TP1-3 dup									Bromoform	ND	0.024						
TP1-3 dup									Isopropylbenzene	ND	0.039						
TP1-3 dup									Bromobenzene	ND	0.028						
TP1-3 dup									N-Propylbenzene	ND	0.034						
TP1-3 dup									1,2,3-Trichloropropane	ND	0.047						
TP1-3 dup									2-Chlorotoluene	ND	0.021						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP1-3 dup									1,3,5-Trimethylbenzene	**0.11**	0.041						
TP1-3 dup									4-Chlorotoluene	ND	0.030						
TP1-3 dup									tert-Butylbenzene	ND	0.025						
TP1-3 dup									1,2,4-Trimethylbenzene	**0.097**	0.030						
TP1-3 dup									sec-Butylbenzene	**0.039**	0.024						
TP1-3 dup									1,3-Dichlorobenzene	ND	0.016						
TP1-3 dup									p-Isopropyltoluene	ND	0.026						
TP1-3 dup									1,4-Dichlorobenzene	ND	0.026						
TP1-3 dup									n-Butylbenzene	ND	0.035						
TP1-3 dup									1,2-Dichlorobenzene	ND	0.030						
TP1-3 dup									1,2-Dibromo-3-Chloropropane	ND	0.077						
TP1-3 dup									1,2,4-Trichlorobenzene	ND	0.024						
TP1-3 dup									1,2,3-Trichlorobenzene	ND	0.043						
TP1-3 dup									Hexachlorobutadiene	ND	0.021						
TP1-3 dup									Naphthalene	ND	0.036						
TP1-3 dup									Methyl tert-butyl ether	ND	0.038						
TP1-3 dup																	
TP2-3	8/25/2025	3	Diesel	**1000**	4.6	Naphthalene	**0.028**	0.0025	Dichlorodifluoromethane	ND	0.033	Mercury	**0.024**	0.012			
TP2-3			Oil	**39**	5.5	2-Methylnaphthalene	**0.0043**	0.0035	Chloromethane	ND	0.049	Arsenic	ND	3.7			
TP2-3			Diesel/Oil (Total Dx)	**1039**	5.5	1-Methylnaphthalene	**0.029**	0.0025	Vinyl chloride	ND	0.024	Barium	**100**	2.5			
TP2-3			Gasoline	**370** [b]	2.1	Acenaphthylene	ND	0.0038	Bromomethane	ND	0.039	Cadmium	ND	1.6			
TP2-3						Acenaphthene	**0.043**	0.0029	Chloroethane	ND	0.066	Chromium	**8.5**	1.3			
TP2-3						Fluorene	**0.02**	0.0025	Trichlorofluoromethane	ND	0.039	Lead	ND	11			
TP2-3						Phenanthrene	**0.049**	0.0041	1,1-Dichloroethene	ND	0.040	Selenium	ND	22			
TP2-3						Anthracene	**0.078**	0.0023	Methylene Chloride	ND	0.23	Silver	ND	2.1			
TP2-3						Fluoranthene	**0.0091**	0.0028	trans-1,2-Dichloroethene	ND	0.027						
TP2-3						Pyrene	**0.32**	0.0043	1,1-Dichloroethane	ND	0.031						
TP2-3						Benzo[a]anthracene	ND	0.0024	2,2-Dichloropropane	ND	0.029						
TP2-3						Chrysene	**0.0041**	0.0017	cis-1,2-Dichloroethene	ND	0.024						
TP2-3						Benzo[b]fluoranthene	**0.0043**	0.004	Bromochloromethane	ND	0.047						
TP2-3						Benzo[k]fluoranthene	ND	0.0029	Chloroform	ND	0.028						
TP2-3						Benzo[a]pyrene	ND	0.0048	1,1,1-Trichloroethane	ND	0.020						
TP2-3						Indeno[1,2,3-cd]pyrene	ND	0.0034	Carbon tetrachloride	ND	0.013						
TP2-3						Dibenz(a,h)anthracene	ND	0.0032	1,1-Dichloropropene	ND	0.020						
TP2-3						Benzo[g,h,i]perylene	ND	0.0027	Benzene	ND	0.012						
TP2-3									1,2-Dichloroethane (EDC)	ND	0.026						
TP2-3									Trichloroethene	ND	0.0089						
TP2-3									1,2-Dichloropropane	ND	0.036						
TP2-3									Dibromomethane	ND	0.026						
TP2-3									Bromodichloromethane	ND	0.073						
TP2-3									cis-1,3-Dichloropropene	ND	0.024						
TP2-3									Toluene	ND	0.053						
TP2-3									trans-1,3-Dichloropropene	ND	0.031						
TP2-3									1,1,2-Trichloroethane	ND	0.041						
TP2-3									Tetrachloroethene	ND	0.021						
TP2-3									1,3-Dichloropropane	ND	0.035						
TP2-3									Dibromochloromethane	ND	0.019						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP2-3									1,2-Dibromoethane (EDB)	ND	0.039						
TP2-3									Chlorobenzene	ND	0.024						
TP2-3									Ethylbenzene	ND	0.019						
TP2-3									1,1,1,2-Tetrachloroethane	ND	0.023						
TP2-3									1,1,2,2-Tetrachloroethane	ND	0.034						
TP2-3									m-Xylene & p-Xylene	ND	0.034						
TP2-3									o-Xylene	ND	0.027						
TP2-3									Styrene	ND	0.028						
TP2-3									Bromoform	ND	0.022						
TP2-3									Isopropylbenzene	ND	0.036						
TP2-3									Bromobenzene	ND	0.026						
TP2-3									N-Propylbenzene	ND	0.031						
TP2-3									1,2,3-Trichloropropane	ND	0.043						
TP2-3									2-Chlorotoluene	ND	0.019						
TP2-3									1,3,5-Trimethylbenzene	ND	0.038						
TP2-3									4-Chlorotoluene	ND	0.027						
TP2-3									tert-Butylbenzene	ND	0.023						
TP2-3									1,2,4-Trimethylbenzene	**0.15**	0.027						
TP2-3									sec-Butylbenzene	ND	0.022						
TP2-3									1,3-Dichlorobenzene	ND	0.015						
TP2-3									p-Isopropyltoluene	ND	0.024						
TP2-3									1,4-Dichlorobenzene	ND	0.024						
TP2-3									n-Butylbenzene	ND	0.032						
TP2-3									1,2-Dichlorobenzene	ND	0.027						
TP2-3									1,2-Dibromo-3-Chloropropane	ND	0.070						
TP2-3									1,2,4-Trichlorobenzene	ND	0.022						
TP2-3									1,2,3-Trichlorobenzene	ND	0.039						
TP2-3									Hexachlorobutadiene	ND	0.019						
TP2-3									Naphthalene	ND	0.033						
TP2-3									Methyl tert-butyl ether	ND	0.035						
TP2-3																	
TP3-3	8/25/2025	3	Diesel	**5200**	49	Naphthalene	**0.38**	0.0025	Dichlorodifluoromethane	ND	0.036	Mercury	**0.035**	0.012			
TP3-3			Oil	**110**	58	2-Methylnaphthalene	**0.12**	0.0036	Chloromethane	ND	0.053	Arsenic	ND	4.1			
TP3-3			Diesel/Oil (Total Dx)	**5310**	58	1-Methylnaphthalene	**0.18**	0.0026	Vinyl chloride	ND	0.026	Barium	**120**	2.7			
TP3-3			Gasoline	**1700** [b]	23	Acenaphthylene	**0.0094**	0.0039	Bromomethane	ND	0.042	Cadmium	ND	1.7			
TP3-3						Acenaphthene	**0.083**	0.003	Chloroethane	ND	0.072	Chromium	**6.5**	1.5			
TP3-3						Fluorene	ND	0.0026	Trichlorofluoromethane	ND	0.042	Lead	ND	12			
TP3-3						Phenanthrene	**0.16**	0.0042	1,1-Dichloroethene	ND	0.043	Selenium	ND	25			
TP3-3						Anthracene	**0.13**	0.0023	Methylene Chloride	ND	0.26	Silver	ND	2.3			
TP3-3						Fluoranthene	**0.4**	0.0029	trans-1,2-Dichloroethene	ND	0.029						
TP3-3						Pyrene	**1.2**	0.0044	1,1-Dichloroethane	ND	0.034						
TP3-3						Benzo[a]anthracene	**0.011**	0.0025	2,2-Dichloropropane	ND	0.031						
TP3-3						Chrysene	**0.0068**	0.0018	cis-1,2-Dichloroethene	ND	0.027						
TP3-3						Benzo[b]fluoranthene	ND	0.0041	Bromochloromethane	ND	0.051						
TP3-3						Benzo[k]fluoranthene	ND	0.0029	Chloroform	ND	0.030						
TP3-3						Benzo[a]pyrene	ND	0.0049	1,1,1-Trichloroethane	ND	0.022						
TP3-3						Indeno[1,2,3-cd]pyrene	ND	0.0035	Carbon tetrachloride	ND	0.014						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP3-3						Dibenz(a,h)anthracene	ND	0.0033	1,1-Dichloropropene	ND	0.022						
TP3-3						Benzo[g,h,i]perylene	**0.0033**	0.0027	Benzene	ND	0.013						
TP3-3									1,2-Dichloroethane (EDC)	ND	0.028						
TP3-3									Trichloroethene	ND	0.0097						
TP3-3									1,2-Dichloropropane	ND	0.039						
TP3-3									Dibromomethane	ND	0.028						
TP3-3									Bromodichloromethane	ND	0.079						
TP3-3									cis-1,3-Dichloropropene	ND	0.026						
TP3-3									Toluene	ND	0.058						
TP3-3									trans-1,3-Dichloropropene	ND	0.034						
TP3-3									1,1,2-Trichloroethane	ND	0.045						
TP3-3									Tetrachloroethene	ND	0.022						
TP3-3									1,3-Dichloropropane	ND	0.038						
TP3-3									Dibromochloromethane	ND	0.021						
TP3-3									1,2-Dibromoethane (EDB)	ND	0.043						
TP3-3									Chlorobenzene	ND	0.026						
TP3-3									Ethylbenzene	ND	0.021						
TP3-3									1,1,1,2-Tetrachloroethane	ND	0.024						
TP3-3									1,1,2,2-Tetrachloroethane	ND	0.037						
TP3-3									m-Xylene & p-Xylene	ND	0.037						
TP3-3									o-Xylene	ND	0.029						
TP3-3									Styrene	ND	0.030						
TP3-3									Bromoform	ND	0.024						
TP3-3									Isopropylbenzene	ND	0.039						
TP3-3									Bromobenzene	ND	0.028						
TP3-3									N-Propylbenzene	ND	0.034						
TP3-3									1,2,3-Trichloropropane	ND	0.047						
TP3-3									2-Chlorotoluene	ND	0.021						
TP3-3									1,3,5-Trimethylbenzene	**0.62**	0.041						
TP3-3									4-Chlorotoluene	ND	0.030						
TP3-3									tert-Butylbenzene	ND	0.025						
TP3-3									1,2,4-Trimethylbenzene	**0.52**	0.030						
TP3-3									sec-Butylbenzene	ND	0.024						
TP3-3									1,3-Dichlorobenzene	ND	0.016						
TP3-3									p-Isopropyltoluene	**0.58**	0.026						
TP3-3									1,4-Dichlorobenzene	ND	0.026						
TP3-3									n-Butylbenzene	ND	0.035						
TP3-3									1,2-Dichlorobenzene	ND	0.030						
TP3-3									1,2-Dibromo-3-Chloropropane	ND	0.077						
TP3-3									1,2,4-Trichlorobenzene	ND	0.024						
TP3-3									1,2,3-Trichlorobenzene	ND	0.043						
TP3-3									Hexachlorobutadiene	ND	0.021						
TP3-3									Naphthalene	ND	0.036						
TP3-3									Methyl tert-butyl ether	ND	0.038						
TP3-3																	
TP4-2	8/25/2025	2	Diesel	**1000**	5.5	Naphthalene	**0.023**	0.0028	Dichlorodifluoromethane	ND	0.041	Mercury	**0.098**	0.012			
TP4-2			Oil	**190**	6.5	2-Methylnaphthalene	**0.014**	0.0041	Chloromethane	ND	0.062	Arsenic	ND	4.2			

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP4-2			Diesel/Oil (Total Dx)	**1190**	6.5	1-Methylnaphthalene	**0.033**	0.0029	Vinyl chloride	ND	0.030	Barium	**60**	2.8			
TP4-2			Gasoline	**320** [b]	2.7	Acenaphthylene	**0.0073**	0.0043	Bromomethane	ND	0.049	Cadmium	ND	1.8			
TP4-2						Acenaphthene	**0.043**	0.0033	Chloroethane	ND	0.083	Chromium	**3.6**	1.5			
TP4-2						Fluorene	**0.02**	0.0029	Trichlorofluoromethane	ND	0.048	Lead	**14**	12			
TP4-2						Phenanthrene	**0.04**	0.0047	1,1-Dichloroethene	ND	0.050	Selenium	ND	25			
TP4-2						Anthracene	**0.062**	0.0026	Methylene Chloride	ND	0.30	Silver	ND	2.4			
TP4-2						Fluoranthene	**0.012**	0.0033	trans-1,2-Dichloroethene	ND	0.034						
TP4-2						Pyrene	**0.31**	0.005	1,1-Dichloroethane	ND	0.039						
TP4-2						Benzo[a]anthracene	**0.0059**	0.0028	2,2-Dichloropropane	ND	0.036						
TP4-2						Chrysene	**0.0051**	0.002	cis-1,2-Dichloroethene	ND	0.031						
TP4-2						Benzo[b]fluoranthene	**0.0099**	0.0046	Bromochloromethane	ND	0.059						
TP4-2						Benzo[k]fluoranthene	ND	0.0033	Chloroform	ND	0.035						
TP4-2						Benzo[a]pyrene	ND	0.0055	1,1,1-Trichloroethane	ND	0.026						
TP4-2						Indeno[1,2,3-cd]pyrene	**0.0039**	0.0039	Carbon tetrachloride	ND	0.016						
TP4-2						Dibenz(a,h)anthracene	ND	0.0037	1,1-Dichloropropene	ND	0.026						
TP4-2						Benzo[g,h,i]perylene	**0.0086**	0.0031	Benzene	ND	0.015						
TP4-2									1,2-Dichloroethane (EDC)	ND	0.032						
TP4-2									Trichloroethene	ND	0.011						
TP4-2									1,2-Dichloropropane	ND	0.045						
TP4-2									Dibromomethane	ND	0.033						
TP4-2									Bromodichloromethane	ND	0.092						
TP4-2									cis-1,3-Dichloropropene	ND	0.030						
TP4-2									Toluene	ND	0.067						
TP4-2									trans-1,3-Dichloropropene	ND	0.039						
TP4-2									1,1,2-Trichloroethane	ND	0.052						
TP4-2									Tetrachloroethene	ND	0.026						
TP4-2									1,3-Dichloropropane	ND	0.044						
TP4-2									Dibromochloromethane	ND	0.024						
TP4-2									1,2-Dibromoethane (EDB)	ND	0.049						
TP4-2									Chlorobenzene	ND	0.031						
TP4-2									Ethylbenzene	ND	0.024						
TP4-2									1,1,1,2-Tetrachloroethane	ND	0.028						
TP4-2									1,1,2,2-Tetrachloroethane	ND	0.043						
TP4-2									m-Xylene & p-Xylene	ND	0.042						
TP4-2									o-Xylene	ND	0.034						
TP4-2									Styrene	ND	0.035						
TP4-2									Bromoform	ND	0.028						
TP4-2									Isopropylbenzene	ND	0.046						
TP4-2									Bromobenzene	ND	0.033						
TP4-2									N-Propylbenzene	ND	0.039						
TP4-2									1,2,3-Trichloropropane	ND	0.054						
TP4-2									2-Chlorotoluene	ND	0.024						
TP4-2									1,3,5-Trimethylbenzene	**0.18**	0.047						
TP4-2									4-Chlorotoluene	ND	0.034						
TP4-2									tert-Butylbenzene	ND	0.029						
TP4-2									1,2,4-Trimethylbenzene	**0.22**	0.035						
TP4-2									sec-Butylbenzene	ND	0.027						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP4-2									1,3-Dichlorobenzene	ND	0.019						
TP4-2									p-Isopropyltoluene	**0.17**	0.030						
TP4-2									1,4-Dichlorobenzene	ND	0.030						
TP4-2									n-Butylbenzene	**0.056**	0.041						
TP4-2									1,2-Dichlorobenzene	ND	0.034						
TP4-2									1,2-Dibromo-3-Chloropropane	ND	0.089						
TP4-2									1,2,4-Trichlorobenzene	ND	0.027						
TP4-2									1,2,3-Trichlorobenzene	ND	0.049						
TP4-2									Hexachlorobutadiene	ND	0.024						
TP4-2									Naphthalene	ND	0.041						
TP4-2									Methyl tert-butyl ether	ND	0.044						
TP4-2																	
TP5-2	8/25/2025	2	Diesel	**3700**	5.7	Naphthalene	**0.69**	0.0029	Dichlorodifluoromethane	ND	0.044	Mercury	ND	0.011			
TP5-2			Oil	**150**	6.8	2-Methylnaphthalene	**1.3**	0.0042	Chloromethane	ND	0.066	Arsenic	**5.1**	4.8			
TP5-2			Diesel/Oil (Total Dx)	**3850**	6.8	1-Methylnaphthalene	**0.71**	0.003	Vinyl chloride	ND	0.032	Barium	**130**	3.2			
TP5-2			Gasoline	**1800** [b]	28	Acenaphthylene	**0.043**	0.0045	Bromomethane	ND	0.052	Cadmium	ND	2.0			
TP5-2						Acenaphthene	**0.12**	0.0034	Chloroethane	ND	0.089	Chromium	**16**	1.7			
TP5-2						Fluorene	**0.12**	0.003	Trichlorofluoromethane	ND	0.052	Lead	**31**	14			
TP5-2						Phenanthrene	**0.35**	0.0049	1,1-Dichloroethene	ND	0.054	Selenium	ND	29			
TP5-2						Anthracene	**0.2**	0.0027	Methylene Chloride	ND	0.32	Silver	ND	2.8			
TP5-2						Fluoranthene	**0.03**	0.0034	trans-1,2-Dichloroethene	ND	0.036						
TP5-2						Pyrene	**0.86**	0.0052	1,1-Dichloroethane	ND	0.042						
TP5-2						Benzo[a]anthracene	**0.021**	0.0029	2,2-Dichloropropane	ND	0.038						
TP5-2						Chrysene	**0.011**	0.0021	cis-1,2-Dichloroethene	ND	0.033						
TP5-2						Benzo[b]fluoranthene	**0.01**	0.0048	Bromochloromethane	ND	0.063						
TP5-2						Benzo[k]fluoranthene	**0.0039**	0.0034	Chloroform	ND	0.037						
TP5-2						Benzo[a]pyrene	ND	0.0057	1,1,1-Trichloroethane	ND	0.027						
TP5-2						Indeno[1,2,3-cd]pyrene	ND	0.004	Carbon tetrachloride	ND	0.017						
TP5-2						Dibenz(a,h)anthracene	ND	0.0038	1,1-Dichloropropene	ND	0.027						
TP5-2						Benzo[g,h,i]perylene	**0.007**	0.0032	Benzene	ND	0.016						
TP5-2									1,2-Dichloroethane (EDC)	ND	0.034						
TP5-2									Trichloroethene	ND	0.012						
TP5-2									1,2-Dichloropropane	ND	0.048						
TP5-2									Dibromomethane	ND	0.035						
TP5-2									Bromodichloromethane	ND	0.098						
TP5-2									cis-1,3-Dichloropropene	ND	0.032						
TP5-2									Toluene	**0.079**	0.071						
TP5-2									trans-1,3-Dichloropropene	ND	0.042						
TP5-2									1,1,2-Trichloroethane	ND	0.056						
TP5-2									Tetrachloroethene	ND	0.028						
TP5-2									1,3-Dichloropropane	ND	0.047						
TP5-2									Dibromochloromethane	ND	0.026						
TP5-2									1,2-Dibromoethane (EDB)	ND	0.053						
TP5-2									Chlorobenzene	ND	0.033						
TP5-2									Ethylbenzene	**0.69**	0.026						
TP5-2									1,1,1,2-Tetrachloroethane	ND	0.030						
TP5-2									1,1,2,2-Tetrachloroethane	ND	0.046						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
TP5-2									m-Xylene & p-Xylene	**6.5**	0.045						
TP5-2									o-Xylene	**3.4**	0.036						
TP5-2									Styrene	ND	0.037						
TP5-2									Bromoform	ND	0.030						
TP5-2									Isopropylbenzene	**0.49**	0.049						
TP5-2									Bromobenzene	ND	0.035						
TP5-2									N-Propylbenzene	**1.7**	0.042						
TP5-2									1,2,3-Trichloropropane	ND	0.058						
TP5-2									2-Chlorotoluene	ND	0.026						
TP5-2									1,3,5-Trimethylbenzene	**6.4**	0.051						
TP5-2									4-Chlorotoluene	ND	0.037						
TP5-2									tert-Butylbenzene	ND	0.031						
TP5-2									1,2,4-Trimethylbenzene	**17**	0.37						
TP5-2									sec-Butylbenzene	**0.81**	0.029						
TP5-2									1,3-Dichlorobenzene	ND	0.020						
TP5-2									p-Isopropyltoluene	**1.3**	0.032						
TP5-2									p-Isopropyltoluene	**1.3**	0.032						
TP5-2									1,2-Dichlorobenzene	ND	0.037						
TP5-2									1,2-Dibromo-3-Chloropropane	ND	0.095						
TP5-2									1,2,4-Trichlorobenzene	ND	0.029						
TP5-2									1,2,3-Trichlorobenzene	ND	0.053						
TP5-2									Hexachlorobutadiene	ND	0.026						
TP5-2									Naphthalene	**1.4**	0.044						
TP5-2									Methyl tert-butyl ether	ND	0.047						
TP5-2																	
TP6-3	9/8/2025	3	Diesel	**6000**	45												
TP6-3			Oil	**160**	54												
TP6-3			Diesel/Oil (Total Dx)	**6160**	54												
TP7-3	9/8/2025	3	Diesel	**5000**	45												
TP7-3			Oil	**180**	54												
TP7-3			Diesel/Oil (Total Dx)	**5180**	54												
Wetland Soil Samples																	
WS1-0	8/14/2025	0	Diesel	**7.0**	5.3	Naphthalene	ND	0.0027	Dichlorodifluoromethane	ND	0.042	Arsenic	**2.7**	0.085	TOC	**3600**	440
WS1-0			Oil	**9.1**	6.4	Naphthalene	ND	0.0027	Dichlorodifluoromethane	ND	0.042	Chromium	**17**	0.41			
WS1-0			Diesel/Oil (Total Dx)	**16.1**	6.4	2-Methylnaphthalene	ND	0.004	Chloromethane	ND	0.063	Copper	**13**	0.10			
WS1-0			Gasoline	ND	2.7	1-Methylnaphthalene	ND	0.0028	Vinyl chloride	ND	0.031	Lead	**6.0**	0.30			
WS1-0						Acenaphthylene	ND	0.0042	Bromomethane	ND	0.050	Chromium, hexavalent	ND	0.22			
WS1-0						Acenaphthene	ND	0.0032	Chloroethane	ND	0.085						
WS1-0						Fluorene	ND	0.0028	Trichlorofluoromethane	ND	0.050						
WS1-0						Phenanthrene	ND	0.0046	1,1-Dichloroethene	ND	0.052						
WS1-0						Anthracene	ND	0.0025	Methylene Chloride	ND	0.30						
WS1-0						Fluoranthene	ND	0.0032	trans-1,2-Dichloroethene	ND	0.035						
WS1-0						Pyrene	ND	0.0048	1,1-Dichloroethane	ND	0.040						
WS1-0						Benzo[a]anthracene	ND	0.0027	2,2-Dichloropropane	ND	0.037						
WS1-0						Chrysene	ND	0.0019	cis-1,2-Dichloroethene	ND	0.031						
WS1-0						Benzo[b]fluoranthene	ND	0.0045	Bromochloromethane	ND	0.060						
WS1-0						Benzo[k]fluoranthene	ND	0.0032	Chloroform	ND	0.036						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS1-0						Benzo[a]pyrene	ND	0.0054	1,1,1-Trichloroethane	ND	0.026						
WS1-0						Indeno[1,2,3-cd]pyrene	ND	0.0038	Carbon tetrachloride	ND	0.017						
WS1-0						Dibenz(a,h)anthracene	ND	0.0036	1,1-Dichloropropene	ND	0.026						
WS1-0						Benzo[g,h,i]perylene	ND	0.003	Benzene	ND	0.015						
WS1-0									1,2-Dichloroethane (EDC)	ND	0.033						
WS1-0									Trichloroethene	ND	0.011						
WS1-0									1,2-Dichloropropane	ND	0.046						
WS1-0									Dibromomethane	ND	0.034						
WS1-0									Bromodichloromethane	ND	0.094						
WS1-0									cis-1,3-Dichloropropene	ND	0.031						
WS1-0									Toluene	ND	0.068						
WS1-0									trans-1,3-Dichloropropene	ND	0.040						
WS1-0									1,1,2-Trichloroethane	ND	0.053						
WS1-0									Tetrachloroethene	ND	0.027						
WS1-0									1,3-Dichloropropane	ND	0.045						
WS1-0									Dibromochloromethane	ND	0.024						
WS1-0									1,2-Dibromoethane (EDB)	ND	0.051						
WS1-0									Chlorobenzene	ND	0.031						
WS1-0									Ethylbenzene	ND	0.024						
WS1-0									1,1,1,2-Tetrachloroethane	ND	0.029						
WS1-0									1,1,2,2-Tetrachloroethane	ND	0.044						
WS1-0									m-Xylene & p-Xylene	ND	0.043						
WS1-0									o-Xylene	ND	0.035						
WS1-0									Styrene	ND	0.036						
WS1-0									Bromoform	ND	0.029						
WS1-0									Isopropylbenzene	ND	0.047						
WS1-0									Bromobenzene	ND	0.034						
WS1-0									N-Propylbenzene	ND	0.040						
WS1-0									1,2,3-Trichloropropane	ND	0.055						
WS1-0									2-Chlorotoluene	ND	0.025						
WS1-0									1,3,5-Trimethylbenzene	ND	0.048						
WS1-0									4-Chlorotoluene	ND	0.035						
WS1-0									tert-Butylbenzene	ND	0.029						
WS1-0									1,2,4-Trimethylbenzene	ND	0.035						
WS1-0									sec-Butylbenzene	ND	0.028						
WS1-0									1,3-Dichlorobenzene	ND	0.019						
WS1-0									p-Isopropyltoluene	ND	0.031						
WS1-0									1,4-Dichlorobenzene	ND	0.031						
WS1-0									n-Butylbenzene	ND	0.042						
WS1-0									1,2-Dichlorobenzene	ND	0.035						
WS1-0									1,2-Dibromo-3-Chloropropane	ND	0.091						
WS1-0									1,2,4-Trichlorobenzene	ND	0.028						
WS1-0									1,2,3-Trichlorobenzene	ND	0.051						
WS1-0									Hexachlorobutadiene	ND	0.025						
WS1-0									Naphthalene	ND	0.042						
WS1-0									Methyl tert-butyl ether	ND	0.045						
WS1-0																	
WS2-0	8/14/2025	0	Diesel	**810**	**6.0**	Naphthalene	ND	0.003	Dichlorodifluoromethane	ND	0.053	Arsenic	**3.5**	0.10	TOC	**10000**	500

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS2-0			Oil	**73**	**7.2**	2-Methylnaphthalene	ND	0.0044	Chloromethane	ND	0.078	Chromium	**22**	0.49			
WS2-0			Diesel/Oil (Total Dx)	**883**	**7.2**	1-Methylnaphthalene	ND	0.0031	Vinyl chloride	ND	0.038	Copper	**12**	0.12			
WS2-0			Diesel (Silica-Gel)	**920**	**14**	Acenaphthylene	ND	0.0047	Bromomethane	ND	0.062	Lead	**8.8**	0.36			
WS2-0			Oil (Silica-Gel)	**84**	**36**	Acenaphthene	ND	0.0036	Chloroethane	ND	0.11	Chromium, hexavalent	ND	0.25			
WS2-0			Diesel/Oil (Total Dx)(Silica-Gel)	**1,004**	**36**	Fluorene	ND	0.0031	Trichlorofluoromethane	ND	0.062						
WS2-0			Gasoline	ND	3.4	Phenanthrene	ND	0.0051	1,1-Dichloroethene	ND	0.064						
WS2-0						Anthracene	ND	0.0028	Methylene Chloride	ND	0.38						
WS2-0						Fluoranthene	**0.013**	0.0035	trans-1,2-Dichloroethene	ND	0.043						
WS2-0						Pyrene	**0.054**	0.0054	1,1-Dichloroethane	ND	0.050						
WS2-0						Benzo[a]anthracene	**0.0044**	0.003	2,2-Dichloropropane	ND	0.046						
WS2-0						Chrysene	ND	0.0021	cis-1,2-Dichloroethene	ND	0.039						
WS2-0						Benzo[b]fluoranthene	ND	0.0049	Bromochloromethane	ND	0.075						
WS2-0						Benzo[k]fluoranthene	ND	0.0035	Chloroform	ND	0.044						
WS2-0						Benzo[a]pyrene	ND	0.0059	1,1,1-Trichloroethane	ND	0.033						
WS2-0						Indeno[1,2,3-cd]pyrene	ND	0.0042	Carbon tetrachloride	ND	0.021						
WS2-0						Dibenz(a,h)anthracene	ND	0.004	1,1-Dichloropropene	ND	0.033						
WS2-0						Benzo[g,h,i]perylene	ND	0.0033	Benzene	ND	0.019						
WS2-0									1,2-Dichloroethane (EDC)	ND	0.041						
WS2-0									Trichloroethene	ND	0.014						
WS2-0									1,2-Dichloropropane	ND	0.057						
WS2-0									Dibromomethane	ND	0.042						
WS2-0									Bromodichloromethane	ND	0.12						
WS2-0									cis-1,3-Dichloropropene	ND	0.038						
WS2-0									Toluene	ND	0.085						
WS2-0									trans-1,3-Dichloropropene	ND	0.049						
WS2-0									1,1,2-Trichloroethane	ND	0.066						
WS2-0									Tetrachloroethene	ND	0.033						
WS2-0									1,3-Dichloropropane	ND	0.056						
WS2-0									Dibromochloromethane	ND	0.030						
WS2-0									1,2-Dibromoethane (EDB)	ND	0.063						
WS2-0									Chlorobenzene	ND	0.039						
WS2-0									Ethylbenzene	ND	0.030						
WS2-0									1,1,1,2-Tetrachloroethane	ND	0.036						
WS2-0									1,1,2,2-Tetrachloroethane	ND	0.055						
WS2-0									m-Xylene & p-Xylene	ND	0.054						
WS2-0									o-Xylene	ND	0.043						
WS2-0									Styrene	ND	0.044						
WS2-0									Bromoform	ND	0.036						
WS2-0									Isopropylbenzene	ND	0.058						
WS2-0									Bromobenzene	ND	0.042						
WS2-0									N-Propylbenzene	ND	0.050						
WS2-0									1,2,3-Trichloropropane	ND	0.069						
WS2-0									2-Chlorotoluene	ND	0.031						
WS2-0									1,3,5-Trimethylbenzene	ND	0.060						
WS2-0									4-Chlorotoluene	ND	0.044						
WS2-0									tert-Butylbenzene	ND	0.037						
WS2-0									1,2,4-Trimethylbenzene	ND	0.044						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS2-0									sec-Butylbenzene	ND	0.035						
WS2-0									1,3-Dichlorobenzene	ND	0.024						
WS2-0									p-Isopropyltoluene	ND	0.038						
WS2-0									1,4-Dichlorobenzene	ND	0.039						
WS2-0									n-Butylbenzene	ND	0.052						
WS2-0									1,2-Dichlorobenzene	ND	0.044						
WS2-0									1,2-Dibromo-3-Chloropropane	ND	0.11						
WS2-0									1,2,4-Trichlorobenzene	ND	0.035						
WS2-0									1,2,3-Trichlorobenzene	ND	0.063						
WS2-0									Hexachlorobutadiene	ND	0.031						
WS2-0									Naphthalene	ND	0.053						
WS2-0									Methyl tert-butyl ether	ND	0.056						
WS2-0																	
WS3-0	8/14/2025	0	Diesel	**210**	13	Naphthalene	**0.024**	0.0029	Dichlorodifluoromethane	ND	0.044	Arsenic	**2.2**	0.095	TOC	**5300**	460
WS3-0			Oil	**8.2**	34	2-Methylnaphthalene	**0.076**	0.0042	Chloromethane	ND	0.066	Chromium	**20**	0.46			
WS3-0			Diesel/Oil (Total Dx)	**218.2**	34	1-Methylnaphthalene	**0.058**	0.003	Vinyl chloride	ND	0.032	Copper	**12**	0.11			
WS3-0			Diesel (Silica-Gel)	**220**	13	Acenaphthylene	ND	0.0045	Bromomethane	ND	0.052	Lead	**8.6**	0.33			
WS3-0			Oil (Silica-Gel)	**8.5**	34	Acenaphthene	**0.017**	0.0034	Chloroethane	ND	0.089	Chromium, hexavalent	ND	0.23			
WS3-0			Diesel/Oil (Total Dx)(Silica-Gel)	**228.5**	34	Fluorene	**0.02**	0.003	Trichlorofluoromethane	ND	0.052						
WS3-0			Gasoline	**77** [b]	2.8	Phenanthrene	**0.044**	0.0049	1,1-Dichloroethene	ND	0.054						
WS3-0						Anthracene	**0.025**	0.0027	Methylene Chloride	ND	0.32						
WS3-0						Fluoranthene	**0.0034**	0.0034	trans-1,2-Dichloroethene	ND	0.036						
WS3-0						Pyrene	**0.079**	0.0052	1,1-Dichloroethane	ND	0.042						
WS3-0						Benzo[a]anthracene	ND	0.0029	2,2-Dichloropropane	ND	0.038						
WS3-0						Chrysene	ND	0.0021	cis-1,2-Dichloroethene	ND	0.033						
WS3-0						Benzo[b]fluoranthene	ND	0.0048	Bromochloromethane	ND	0.063						
WS3-0						Benzo[k]fluoranthene	ND	0.0034	Chloroform	ND	0.037						
WS3-0						Benzo[a]pyrene	ND	0.0057	1,1,1-Trichloroethane	ND	0.027						
WS3-0						Indeno[1,2,3-cd]pyrene	ND	0.004	Carbon tetrachloride	ND	0.017						
WS3-0						Dibenz(a,h)anthracene	ND	0.0038	1,1-Dichloropropene	ND	0.027						
WS3-0						Benzo[g,h,i]perylene	ND	0.0032	Benzene	ND	0.016						
WS3-0									1,2-Dichloroethane (EDC)	ND	0.034						
WS3-0									Trichloroethene	ND	0.012						
WS3-0									1,2-Dichloropropane	ND	0.048						
WS3-0									Dibromomethane	ND	0.035						
WS3-0									Bromodichloromethane	ND	0.098						
WS3-0									cis-1,3-Dichloropropene	ND	0.032						
WS3-0									Toluene	ND	0.071						
WS3-0									trans-1,3-Dichloropropene	ND	0.041						
WS3-0									1,1,2-Trichloroethane	ND	0.056						
WS3-0									Tetrachloroethene	ND	0.028						
WS3-0									1,3-Dichloropropane	ND	0.047						
WS3-0									Dibromochloromethane	ND	0.026						
WS3-0									1,2-Dibromoethane (EDB)	ND	0.053						
WS3-0									Chlorobenzene	ND	0.033						
WS3-0									Ethylbenzene	**0.13**	0.026						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS3-0									1,1,1,2-Tetrachloroethane	ND	0.030						
WS3-0									1,1,2,2-Tetrachloroethane	ND	0.046						
WS3-0									m-Xylene & p-Xylene	**0.13**	0.045						
WS3-0									o-Xylene	**0.053**	0.036						
WS3-0									Styrene	ND	0.037						
WS3-0									Bromoform	ND	0.030						
WS3-0									Isopropylbenzene	**0.057**	0.049						
WS3-0									Bromobenzene	ND	0.035						
WS3-0									N-Propylbenzene	**0.12**	0.042						
WS3-0									1,2,3-Trichloropropane	ND	0.058						
WS3-0									2-Chlorotoluene	ND	0.026						
WS3-0									1,3,5-Trimethylbenzene	**0.17**	0.050						
WS3-0									4-Chlorotoluene	ND	0.037						
WS3-0									tert-Butylbenzene	ND	0.031						
WS3-0									1,2,4-Trimethylbenzene	**0.88**	0.037						
WS3-0									sec-Butylbenzene	**0.067**	0.029						
WS3-0									1,3-Dichlorobenzene	ND	0.020						
WS3-0									p-Isopropyltoluene	ND	0.032						
WS3-0									1,4-Dichlorobenzene	ND	0.032						
WS3-0									n-Butylbenzene	**0.13**	0.043						
WS3-0									1,2-Dichlorobenzene	ND	0.037						
WS3-0									1,2-Dibromo-3-Chloropropane	ND	0.095						
WS3-0									1,2,4-Trichlorobenzene	ND	0.029						
WS3-0									1,2,3-Trichlorobenzene	ND	0.053						
WS3-0									Hexachlorobutadiene	ND	0.026						
WS3-0									Naphthalene	**0.15**	0.044						
WS3-0									Methyl tert-butyl ether	ND	0.047						
WS3-0																	
WS3-0 DUP	8/14/2025	0	Diesel	**160**	13	Naphthalene	**0.021**	0.0029	Dichlorodifluoromethane	ND	0.046	Arsenic	**1.4**	0.092	TOC	**5300**	470
WS3-0 DUP			Oil	**9.0**	6.5	2-Methylnaphthalene	**0.052**	0.0042	Chloromethane	ND	0.068	Chromium	**20**	0.44			
WS3-0 DUP			Diesel/Oil (Total Dx)	**169**	13	1-Methylnaphthalene	**0.04**	0.003	Vinyl chloride	ND	0.033	Copper	**15**	0.11			
WS3-0 DUP			Diesel (Silica-Gel)	**160**	13	Acenaphthylene	**0.0055**	0.0045	Bromomethane	ND	0.054	Lead	**8.5**	0.32			
WS3-0 DUP			Oil (Silica-Gel)	**7.1**	33	Acenaphthene	**0.014**	0.0034	Chloroethane	ND	0.093	Chromium, hexavalent	ND	0.23			
WS3-0 DUP			Diesel/Oil (Total Dx)(Silica-Gel)	**167.1**	33	Fluorene	**0.01**	0.003	Trichlorofluoromethane	ND	0.054						
WS3-0 DUP			Gasoline	**140** [b]	3.0	Phenanthrene	**0.03**	0.0049	1,1-Dichloroethene	ND	0.056						
WS3-0 DUP						Anthracene	**0.023**	0.0027	Methylene Chloride	ND	0.33						
WS3-0 DUP						Fluoranthene	**0.011**	0.0034	trans-1,2-Dichloroethene	ND	0.038						
WS3-0 DUP						Pyrene	**0.1**	0.0052	1,1-Dichloroethane	ND	0.043						
WS3-0 DUP						Benzo[a]anthracene	ND	0.0029	2,2-Dichloropropane	ND	0.040						
WS3-0 DUP						Chrysene	ND	0.0021	cis-1,2-Dichloroethene	ND	0.034						
WS3-0 DUP						Benzo[b]fluoranthene	ND	0.0048	Bromochloromethane	ND	0.065						
WS3-0 DUP						Benzo[k]fluoranthene	ND	0.0034	Chloroform	ND	0.039						
WS3-0 DUP						Benzo[a]pyrene	ND	0.0057	1,1,1-Trichloroethane	ND	0.028						
WS3-0 DUP						Indeno[1,2,3-cd]pyrene	ND	0.004	Carbon tetrachloride	ND	0.018						
WS3-0 DUP						Dibenz(a,h)anthracene	ND	0.0038	1,1-Dichloropropene	ND	0.029						
WS3-0 DUP						Benzo[g,h,i]perylene	ND	0.0032	Benzene	ND	0.016						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS3-0 DUP									1,2-Dichloroethane (EDC)	ND	0.036						
WS3-0 DUP									Trichloroethene	ND	0.012						
WS3-0 DUP									1,2-Dichloropropane	ND	0.050						
WS3-0 DUP									Dibromomethane	ND	0.037						
WS3-0 DUP									Bromodichloromethane	ND	0.10						
WS3-0 DUP									cis-1,3-Dichloropropene	ND	0.033						
WS3-0 DUP									Toluene	ND	0.074						
WS3-0 DUP									trans-1,3-Dichloropropene	ND	0.043						
WS3-0 DUP									1,1,2-Trichloroethane	ND	0.058						
WS3-0 DUP									Tetrachloroethene	ND	0.029						
WS3-0 DUP									1,3-Dichloropropane	ND	0.049						
WS3-0 DUP									Dibromochloromethane	ND	0.027						
WS3-0 DUP									1,2-Dibromoethane (EDB)	ND	0.055						
WS3-0 DUP									Chlorobenzene	ND	0.034						
WS3-0 DUP									Ethylbenzene	**0.059**	0.027						
WS3-0 DUP									1,1,1,2-Tetrachloroethane	ND	0.032						
WS3-0 DUP									1,1,2,2-Tetrachloroethane	ND	0.048						
WS3-0 DUP									m-Xylene & p-Xylene	**0.12**	0.047						
WS3-0 DUP									o-Xylene	**0.044**	0.038						
WS3-0 DUP									Styrene	ND	0.039						
WS3-0 DUP									Bromoform	ND	0.031						
WS3-0 DUP									Isopropylbenzene	ND	0.051						
WS3-0 DUP									Bromobenzene	ND	0.037						
WS3-0 DUP									N-Propylbenzene	**0.073**	0.043						
WS3-0 DUP									1,2,3-Trichloropropane	ND	0.060						
WS3-0 DUP									2-Chlorotoluene	ND	0.027						
WS3-0 DUP									1,3,5-Trimethylbenzene	**0.15**	0.053						
WS3-0 DUP									4-Chlorotoluene	ND	0.038						
WS3-0 DUP									tert-Butylbenzene	ND	0.032						
WS3-0 DUP									1,2,4-Trimethylbenzene	**0.53**	0.038						
WS3-0 DUP									sec-Butylbenzene	**0.059**	0.031						
WS3-0 DUP									1,3-Dichlorobenzene	ND	0.021						
WS3-0 DUP									p-Isopropyltoluene	ND	0.033						
WS3-0 DUP									1,4-Dichlorobenzene	ND	0.034						
WS3-0 DUP									n-Butylbenzene	**0.11**	0.045						
WS3-0 DUP									1,2-Dichlorobenzene	ND	0.038						
WS3-0 DUP									1,2-Dibromo-3-Chloropropane	ND	0.098						
WS3-0 DUP									1,2,4-Trichlorobenzene	ND	0.030						
WS3-0 DUP									1,2,3-Trichlorobenzene	ND	0.055						
WS3-0 DUP									Hexachlorobutadiene	ND	0.027						
WS3-0 DUP									Naphthalene	**0.11**	0.046						
WS3-0 DUP									Methyl tert-butyl ether	ND	0.049						
WS3-0 DUP																	
WS4-0	8/14/2025	0	Diesel	**30**	5.5	Naphthalene	ND	0.0028	Dichlorodifluoromethane	ND	0.044	Arsenic	**1.8**	0.11	TOC	**6800**	460
WS4-0			Oil	ND	6.5	2-Methylnaphthalene	ND	0.0041	Chloromethane	ND	0.065	Chromium	**16**	0.52			
WS4-0			Diesel/Oil (Total Dx)	30	6.5	1-Methylnaphthalene	ND	0.0029	Vinyl chloride	ND	0.032	Copper	**9.4**	0.13			
WS4-0			Gasoline	**34** [b]	2.8	Acenaphthylene	ND	0.0043	Bromomethane	ND	0.052	Lead	**7.0**	0.38			

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS4-0						Acenaphthene	ND	0.0033	Chloroethane	ND	0.088	Chromium, hexavalent	ND	0.23			
WS4-0						Fluorene	ND	0.0029	Trichlorofluoromethane	ND	0.051						
WS4-0						Phenanthrene	ND	0.0048	1,1-Dichloroethene	ND	0.053						
WS4-0						Anthracene	ND	0.0026	Methylene Chloride	ND	0.31						
WS4-0						Fluoranthene	ND	0.0033	trans-1,2-Dichloroethene	ND	0.036						
WS4-0						Pyrene	**0.0081**	0.005	1,1-Dichloroethane	ND	0.041						
WS4-0						Benzo[a]anthracene	ND	0.0028	2,2-Dichloropropane	ND	0.038						
WS4-0						Chrysene	ND	0.002	cis-1,2-Dichloroethene	ND	0.033						
WS4-0						Benzo[b]fluoranthene	ND	0.0046	Bromochloromethane	ND	0.062						
WS4-0						Benzo[k]fluoranthene	ND	0.0033	Chloroform	ND	0.037						
WS4-0						Benzo[a]pyrene	ND	0.0055	1,1,1-Trichloroethane	ND	0.027						
WS4-0						Indeno[1,2,3-cd]pyrene	ND	0.0039	Carbon tetrachloride	ND	0.017						
WS4-0						Dibenz(a,h)anthracene	ND	0.0037	1,1-Dichloropropene	ND	0.027						
WS4-0						Benzo[g,h,i]perylene	ND	0.0031	Benzene	ND	0.016						
WS4-0									1,2-Dichloroethane (EDC)	ND	0.034						
WS4-0									Trichloroethene	ND	0.012						
WS4-0									1,2-Dichloropropane	ND	0.047						
WS4-0									Dibromomethane	ND	0.035						
WS4-0									Bromodichloromethane	ND	0.097						
WS4-0									cis-1,3-Dichloropropene	ND	0.032						
WS4-0									Toluene	ND	0.071						
WS4-0									trans-1,3-Dichloropropene	ND	0.041						
WS4-0									1,1,2-Trichloroethane	ND	0.055						
WS4-0									Tetrachloroethene	ND	0.028						
WS4-0									1,3-Dichloropropane	ND	0.046						
WS4-0									Dibromochloromethane	ND	0.025						
WS4-0									1,2-Dibromoethane (EDB)	ND	0.052						
WS4-0									Chlorobenzene	ND	0.032						
WS4-0									Ethylbenzene	ND	0.025						
WS4-0									1,1,1,2-Tetrachloroethane	ND	0.030						
WS4-0									1,1,2,2-Tetrachloroethane	ND	0.046						
WS4-0									m-Xylene & p-Xylene	ND	0.045						
WS4-0									o-Xylene	ND	0.036						
WS4-0									Styrene	ND	0.037						
WS4-0									Bromoform	ND	0.030						
WS4-0									Isopropylbenzene	ND	0.048						
WS4-0									Bromobenzene	ND	0.035						
WS4-0									N-Propylbenzene	ND	0.041						
WS4-0									1,2,3-Trichloropropane	ND	0.057						
WS4-0									2-Chlorotoluene	ND	0.026						
WS4-0									1,3,5-Trimethylbenzene	ND	0.050						
WS4-0									4-Chlorotoluene	ND	0.036						
WS4-0									tert-Butylbenzene	ND	0.031						
WS4-0									1,2,4-Trimethylbenzene	ND	0.037						
WS4-0									sec-Butylbenzene	ND	0.029						
WS4-0									1,3-Dichlorobenzene	ND	0.020						
WS4-0									p-Isopropyltoluene	ND	0.032						
WS4-0									1,4-Dichlorobenzene	ND	0.032						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS4-0									n-Butylbenzene	ND	0.043						
WS4-0									1,2-Dichlorobenzene	ND	0.036						
WS4-0									1,2-Dibromo-3-Chloropropane	ND	0.094						
WS4-0									1,2,4-Trichlorobenzene	ND	0.029						
WS4-0									1,2,3-Trichlorobenzene	ND	0.052						
WS4-0									Hexachlorobutadiene	ND	0.026						
WS4-0									Naphthalene	ND	0.044						
WS4-0									Methyl tert-butyl ether	ND	0.047						
WS4-0																	
WS5-0	8/14/2025	0	Diesel	**25000**	110	Naphthalene	ND	0.028	Dichlorodifluoromethane	ND	0.056	Arsenic	**1.7**	0.11	TOC	**68000**	450
WS5-0			Oil	**1200**	130	2-Methylnaphthalene	ND	0.041	Chloromethane	ND	0.084	Chromium	**16**	0.51			
WS5-0			Diesel/Oil (Total Dx)	**26200**	130	1-Methylnaphthalene	**0.16**	0.029	Vinyl chloride	ND	0.041	Copper	**9.8**	0.12			
WS5-0			Diesel (Silica-Gel)	**24000**	110	Acenaphthylene	ND	0.044	Bromomethane	ND	0.066	Lead	**11**	0.37			
WS5-0			Oil (Silica-Gel)	**7.1**	130	Acenaphthene	ND	0.033	Chloroethane	ND	0.11	Chromium, hexavalent	**0.26**	0.22			
WS5-0			Diesel/Oil (Total Dx)(Silica-Gel)	**24007.1**	130	Fluorene	**0.13**	0.029	Trichlorofluoromethane	ND	0.066						
WS5-0			Gasoline	**810** [b]	3.6	Phenanthrene	**0.52**	0.048	1,1-Dichloroethene	ND	0.068						
WS5-0						Anthracene	**1.2**	0.026	Methylene Chloride	ND	0.40						
WS5-0						Fluoranthene	**0.15**	0.033	trans-1,2-Dichloroethene	ND	0.046						
WS5-0						Pyrene	**4.5**	0.05	1,1-Dichloroethane	ND	0.053						
WS5-0						Benzo[a]anthracene	**0.11**	0.028	2,2-Dichloropropane	ND	0.049						
WS5-0						Chrysene	**0.052**	0.02	cis-1,2-Dichloroethene	ND	0.042						
WS5-0						Benzo[b]fluoranthene	ND	0.046	Bromochloromethane	ND	0.080						
WS5-0						Benzo[k]fluoranthene	ND	0.033	Chloroform	ND	0.047						
WS5-0						Benzo[a]pyrene	ND	0.056	1,1,1-Trichloroethane	ND	0.035						
WS5-0						Indeno[1,2,3-cd]pyrene	ND	0.039	Carbon tetrachloride	ND	0.022						
WS5-0						Dibenz(a,h)anthracene	ND	0.037	1,1-Dichloropropene	ND	0.035						
WS5-0						Benzo[g,h,i]perylene	ND	0.031	Benzene	ND	0.020						
WS5-0									1,2-Dichloroethane (EDC)	ND	0.044						
WS5-0									Trichloroethene	ND	0.015						
WS5-0									1,2-Dichloropropane	ND	0.061						
WS5-0									Dibromomethane	ND	0.045						
WS5-0									Bromodichloromethane	ND	0.12						
WS5-0									cis-1,3-Dichloropropene	ND	0.041						
WS5-0									Toluene	ND	0.090						
WS5-0									trans-1,3-Dichloropropene	ND	0.053						
WS5-0									1,1,2-Trichloroethane	ND	0.071						
WS5-0									Tetrachloroethene	ND	0.035						
WS5-0									1,3-Dichloropropane	ND	0.060						
WS5-0									Dibromochloromethane	ND	0.032						
WS5-0									1,2-Dibromoethane (EDB)	ND	0.067						
WS5-0									Chlorobenzene	ND	0.042						
WS5-0									Ethylbenzene	ND	0.032						
WS5-0									1,1,1,2-Tetrachloroethane	ND	0.039						
WS5-0									1,1,2,2-Tetrachloroethane	ND	0.058						
WS5-0									m-Xylene & p-Xylene	ND	0.058						
WS5-0									o-Xylene	ND	0.046						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS5-0									Styrene	ND	0.047						
WS5-0									Bromoform	ND	0.038						
WS5-0									Isopropylbenzene	ND	0.062						
WS5-0									Bromobenzene	ND	0.045						
WS5-0									N-Propylbenzene	ND	0.053						
WS5-0									1,2,3-Trichloropropane	ND	0.073						
WS5-0									2-Chlorotoluene	ND	0.033						
WS5-0									1,3,5-Trimethylbenzene	ND	0.064						
WS5-0									4-Chlorotoluene	ND	0.047						
WS5-0									tert-Butylbenzene	ND	0.039						
WS5-0									1,2,4-Trimethylbenzene	ND	0.047						
WS5-0									sec-Butylbenzene	ND	0.037						
WS5-0									1,3-Dichlorobenzene	ND	0.025						
WS5-0									p-Isopropyltoluene	ND	0.041						
WS5-0									1,4-Dichlorobenzene	ND	0.041						
WS5-0									n-Butylbenzene	ND	0.055						
WS5-0									1,2-Dichlorobenzene	ND	0.047						
WS5-0									1,2-Dibromo-3-Chloropropane	ND	0.12						
WS5-0									1,2,4-Trichlorobenzene	ND	0.037						
WS5-0									1,2,3-Trichlorobenzene	ND	0.067						
WS5-0									Hexachlorobutadiene	ND	0.033						
WS5-0									Naphthalene	**0.34**	0.056						
WS5-0									Methyl tert-butyl ether	ND	0.060						
WS5-0																	
WS6-0	8/14/2025	0	Diesel	ND	6.1	Naphthalene	ND	0.0031	Dichlorodifluoromethane	ND	0.054	Arsenic	**1.9**	0.10	TOC	**7100**	510
WS6-0			Oil	ND	7.3	2-Methylnaphthalene	ND	0.0044	Chloromethane	ND	0.080	Chromium	**21**	0.49			
WS6-0			Diesel/Oil (Total Dx)	ND	7.3	1-Methylnaphthalene	ND	0.0032	Vinyl chloride	ND	0.039	Copper	**9.6**	0.12			
WS6-0			Gasoline	**15** [b]	3.5	Acenaphthylene	ND	0.0047	Bromomethane	ND	0.064	Lead	**7.2**	0.36			
WS6-0						Acenaphthene	ND	0.0036	Chloroethane	ND	0.11	Chromium, hexavalent	ND	0.25			
WS6-0						Fluorene	ND	0.0032	Trichlorofluoromethane	ND	0.063						
WS6-0						Phenanthrene	ND	0.0052	1,1-Dichloroethene	ND	0.066						
WS6-0						Anthracene	ND	0.0029	Methylene Chloride	ND	0.38						
WS6-0						Fluoranthene	ND	0.0036	trans-1,2-Dichloroethene	ND	0.044						
WS6-0						Pyrene	ND	0.0054	1,1-Dichloroethane	ND	0.051						
WS6-0						Benzo[a]anthracene	ND	0.003	2,2-Dichloropropane	ND	0.047						
WS6-0						Chrysene	ND	0.0022	cis-1,2-Dichloroethene	ND	0.040						
WS6-0						Benzo[b]fluoranthene	ND	0.005	Bromochloromethane	ND	0.077						
WS6-0						Benzo[k]fluoranthene	ND	0.0036	Chloroform	ND	0.045						
WS6-0						Benzo[a]pyrene	ND	0.006	1,1,1-Trichloroethane	ND	0.033						
WS6-0						Indeno[1,2,3-cd]pyrene	ND	0.0042	Carbon tetrachloride	ND	0.021						
WS6-0						Dibenz(a,h)anthracene	ND	0.004	1,1-Dichloropropene	ND	0.033						
WS6-0						Benzo[g,h,i]perylene	ND	0.0034	Benzene	ND	0.019						
WS6-0									1,2-Dichloroethane (EDC)	ND	0.042						
WS6-0									Trichloroethene	ND	0.015						
WS6-0									1,2-Dichloropropane	ND	0.058						
WS6-0									Dibromomethane	ND	0.043						
WS6-0									Bromodichloromethane	ND	0.12						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS6-0									cis-1,3-Dichloropropene	ND	0.039						
WS6-0									Toluene	ND	0.087						
WS6-0									trans-1,3-Dichloropropene	ND	0.051						
WS6-0									1,1,2-Trichloroethane	ND	0.068						
WS6-0									Tetrachloroethene	ND	0.034						
WS6-0									1,3-Dichloropropane	ND	0.057						
WS6-0									Dibromochloromethane	ND	0.031						
WS6-0									1,2-Dibromoethane (EDB)	ND	0.064						
WS6-0									Chlorobenzene	ND	0.040						
WS6-0									Ethylbenzene	ND	0.031						
WS6-0									1,1,1,2-Tetrachloroethane	ND	0.037						
WS6-0									1,1,2,2-Tetrachloroethane	ND	0.056						
WS6-0									m-Xylene & p-Xylene	ND	0.055						
WS6-0									o-Xylene	ND	0.044						
WS6-0									Styrene	ND	0.045						
WS6-0									Bromoform	ND	0.037						
WS6-0									Isopropylbenzene	ND	0.059						
WS6-0									Bromobenzene	ND	0.043						
WS6-0									N-Propylbenzene	ND	0.051						
WS6-0									1,2,3-Trichloropropane	ND	0.070						
WS6-0									2-Chlorotoluene	ND	0.031						
WS6-0									1,3,5-Trimethylbenzene	ND	0.061						
WS6-0									4-Chlorotoluene	ND	0.045						
WS6-0									tert-Butylbenzene	ND	0.037						
WS6-0									1,2,4-Trimethylbenzene	ND	0.045						
WS6-0									sec-Butylbenzene	ND	0.036						
WS6-0									1,3-Dichlorobenzene	ND	0.024						
WS6-0									p-Isopropyltoluene	ND	0.039						
WS6-0									1,4-Dichlorobenzene	ND	0.040						
WS6-0									n-Butylbenzene	ND	0.053						
WS6-0									1,2-Dichlorobenzene	ND	0.045						
WS6-0									1,2-Dibromo-3-Chloropropane	ND	0.12						
WS6-0									1,2,4-Trichlorobenzene	ND	0.036						
WS6-0									1,2,3-Trichlorobenzene	ND	0.064						
WS6-0									Hexachlorobutadiene	ND	0.032						
WS6-0									Naphthalene	ND	0.054						
WS6-0									Methyl tert-butyl ether	ND	0.058						
WS6-0																	
WS6-1.5	8/14/2025	1.5	Diesel	ND	5.5	Naphthalene	ND	0.0029	Dichlorodifluoromethane	ND	0.045	Arsenic	**1.6**	0.093	TOC	**3600**	470
WS6-1.5			Oil	ND	6.6	2-Methylnaphthalene	ND	0.0042	Chloromethane	ND	0.067	Chromium	**17**	0.45			
WS6-1.5			Diesel/Oil (Total Dx)	ND	6.6	1-Methylnaphthalene	ND	0.003	Vinyl chloride	ND	0.033	Copper	**9.1**	0.11			
WS6-1.5			Gasoline	ND	2.9	Acenaphthylene	ND	0.0045	Bromomethane	ND	0.053	Lead	**7.8**	0.32			
WS6-1.5						Acenaphthene	ND	0.0034	Chloroethane	ND	0.091	Chromium, hexavalent	ND	0.23			
WS6-1.5						Fluorene	ND	0.003	Trichlorofluoromethane	ND	0.053						
WS6-1.5						Phenanthrene	ND	0.0049	1,1-Dichloroethene	ND	0.055						
WS6-1.5						Anthracene	ND	0.0027	Methylene Chloride	ND	0.32						
WS6-1.5						Fluoranthene	ND	0.0034	trans-1,2-Dichloroethene	ND	0.037						
WS6-1.5						Pyrene	ND	0.0052	1,1-Dichloroethane	ND	0.043						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS6-1.5						Benzo[a]anthracene	ND	0.0029	2,2-Dichloropropane	ND	0.039						
WS6-1.5						Chrysene	ND	0.0021	cis-1,2-Dichloroethene	ND	0.034						
WS6-1.5						Benzo[b]fluoranthene	ND	0.0048	Bromochloromethane	ND	0.064						
WS6-1.5						Benzo[k]fluoranthene	ND	0.0034	Chloroform	ND	0.038						
WS6-1.5						Benzo[a]pyrene	ND	0.0058	1,1,1-Trichloroethane	ND	0.028						
WS6-1.5						Indeno[1,2,3-cd]pyrene	ND	0.004	Carbon tetrachloride	ND	0.018						
WS6-1.5						Dibenz(a,h)anthracene	ND	0.0039	1,1-Dichloropropene	ND	0.028						
WS6-1.5						Benzo[g,h,i]perylene	ND	0.0032	Benzene	ND	0.016						
WS6-1.5									1,2-Dichloroethane (EDC)	ND	0.035						
WS6-1.5									Trichloroethene	ND	0.012						
WS6-1.5									1,2-Dichloropropane	ND	0.049						
WS6-1.5									Dibromomethane	ND	0.036						
WS6-1.5									Bromodichloromethane	ND	0.10						
WS6-1.5									cis-1,3-Dichloropropene	ND	0.033						
WS6-1.5									Toluene	ND	0.073						
WS6-1.5									trans-1,3-Dichloropropene	ND	0.042						
WS6-1.5									1,1,2-Trichloroethane	ND	0.057						
WS6-1.5									Tetrachloroethene	ND	0.028						
WS6-1.5									1,3-Dichloropropane	ND	0.048						
WS6-1.5									Dibromochloromethane	ND	0.026						
WS6-1.5									1,2-Dibromoethane (EDB)	ND	0.054						
WS6-1.5									Chlorobenzene	ND	0.033						
WS6-1.5									Ethylbenzene	ND	0.026						
WS6-1.5									1,1,1,2-Tetrachloroethane	ND	0.031						
WS6-1.5									1,1,2,2-Tetrachloroethane	ND	0.047						
WS6-1.5									m-Xylene & p-Xylene	ND	0.046						
WS6-1.5									o-Xylene	ND	0.037						
WS6-1.5									Styrene	ND	0.038						
WS6-1.5									Bromoform	ND	0.031						
WS6-1.5									Isopropylbenzene	ND	0.050						
WS6-1.5									Bromobenzene	ND	0.036						
WS6-1.5									N-Propylbenzene	ND	0.043						
WS6-1.5									1,2,3-Trichloropropane	ND	0.059						
WS6-1.5									2-Chlorotoluene	ND	0.026						
WS6-1.5									1,3,5-Trimethylbenzene	ND	0.052						
WS6-1.5									4-Chlorotoluene	ND	0.037						
WS6-1.5									tert-Butylbenzene	ND	0.031						
WS6-1.5									1,2,4-Trimethylbenzene	ND	0.038						
WS6-1.5									sec-Butylbenzene	ND	0.030						
WS6-1.5									1,3-Dichlorobenzene	ND	0.020						
WS6-1.5									p-Isopropyltoluene	ND	0.033						
WS6-1.5									1,4-Dichlorobenzene	ND	0.033						
WS6-1.5									n-Butylbenzene	ND	0.044						
WS6-1.5									1,2-Dichlorobenzene	ND	0.038						
WS6-1.5									1,2-Dibromo-3-Chloropropane	ND	0.097						
WS6-1.5									1,2,4-Trichlorobenzene	ND	0.030						
WS6-1.5									1,2,3-Trichlorobenzene	ND	0.054						
WS6-1.5									Hexachlorobutadiene	ND	0.026						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS6-1.5									Naphthalene	ND	0.045						
WS6-1.5									Methyl tert-butyl ether	ND	0.048						
WS6-1.5																	
WS7-0	8/14/2025	0	Diesel	**1900**	43	Naphthalene	**0.0028**	0.0023	Dichlorodifluoromethane	ND	0.044	Arsenic	**1.3**	0.073	TOC	**38000**	360
WS7-0			Oil	**510**	51	2-Methylnaphthalene	ND	0.0033	Chloromethane	ND	0.066	Chromium	**9.1**	0.35			
WS7-0			Diesel/Oil (Total Dx)	**2410**	51	1-Methylnaphthalene	ND	0.0023	Vinyl chloride	ND	0.032	Copper	**23**	0.085			
WS7-0			Gasoline	ND	2.8	Acenaphthylene	ND	0.0035	Bromomethane	ND	0.052	Lead	**16**	0.25			
WS7-0						Acenaphthene	ND	0.0027	Chloroethane	ND	0.089	Chromium, hexavalent	ND	0.18			
WS7-0						Fluorene	ND	0.0023	Trichlorofluoromethane	ND	0.052						
WS7-0						Phenanthrene	ND	0.038	1,1-Dichloroethene	ND	0.054						
WS7-0						Anthracene	ND	0.021	Methylene Chloride	ND	0.32						
WS7-0						Fluoranthene	**0.029**	0.026	trans-1,2-Dichloroethene	ND	0.036						
WS7-0						Pyrene	**0.14**	0.04	1,1-Dichloroethane	ND	0.042						
WS7-0						Benzo[a]anthracene	**0.023**	0.022	2,2-Dichloropropane	ND	0.038						
WS7-0						Chrysene	ND	0.016	cis-1,2-Dichloroethene	ND	0.033						
WS7-0						Benzo[b]fluoranthene	**0.011**	0.0037	Bromochloromethane	ND	0.063						
WS7-0						Benzo[k]fluoranthene	**0.0037**	0.0026	Chloroform	ND	0.037						
WS7-0						Benzo[a]pyrene	**0.0058**	0.0045	1,1,1-Trichloroethane	ND	0.027						
WS7-0						Indeno[1,2,3-cd]pyrene	**0.0084**	0.0031	Carbon tetrachloride	ND	0.017						
WS7-0						Dibenz(a,h)anthracene	ND	0.003	1,1-Dichloropropene	ND	0.028						
WS7-0						Benzo[g,h,i]perylene	**0.026**	0.0025	Benzene	ND	0.016						
WS7-0									1,2-Dichloroethane (EDC)	ND	0.034						
WS7-0									Trichloroethene	ND	0.012						
WS7-0									1,2-Dichloropropane	ND	0.048						
WS7-0									Dibromomethane	ND	0.035						
WS7-0									Bromodichloromethane	ND	0.098						
WS7-0									cis-1,3-Dichloropropene	ND	0.032						
WS7-0									Toluene	ND	0.071						
WS7-0									trans-1,3-Dichloropropene	ND	0.042						
WS7-0									1,1,2-Trichloroethane	ND	0.056						
WS7-0									Tetrachloroethene	ND	0.028						
WS7-0									1,3-Dichloropropane	ND	0.047						
WS7-0									Dibromochloromethane	ND	0.026						
WS7-0									1,2-Dibromoethane (EDB)	ND	0.053						
WS7-0									Chlorobenzene	ND	0.033						
WS7-0									Ethylbenzene	ND	0.026						
WS7-0									1,1,1,2-Tetrachloroethane	ND	0.030						
WS7-0									1,1,2,2-Tetrachloroethane	ND	0.046						
WS7-0									m-Xylene & p-Xylene	ND	0.045						
WS7-0									o-Xylene	ND	0.036						
WS7-0									Styrene	ND	0.037						
WS7-0									Bromoform	ND	0.030						
WS7-0									Isopropylbenzene	ND	0.049						
WS7-0									Bromobenzene	ND	0.035						
WS7-0									N-Propylbenzene	ND	0.042						
WS7-0									1,2,3-Trichloropropane	ND	0.058						
WS7-0									2-Chlorotoluene	ND	0.026						
WS7-0									1,3,5-Trimethylbenzene	ND	0.051						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS7-0									4-Chlorotoluene	ND	0.037						
WS7-0									tert-Butylbenzene	ND	0.031						
WS7-0									1,2,4-Trimethylbenzene	ND	0.037						
WS7-0									sec-Butylbenzene	ND	0.029						
WS7-0									1,3-Dichlorobenzene	ND	0.020						
WS7-0									p-Isopropyltoluene	ND	0.032						
WS7-0									1,4-Dichlorobenzene	ND	0.033						
WS7-0									n-Butylbenzene	ND	0.043						
WS7-0									1,2-Dichlorobenzene	ND	0.037						
WS7-0									1,2-Dibromo-3-Chloropropane	ND	0.095						
WS7-0									1,2,4-Trichlorobenzene	ND	0.029						
WS7-0									1,2,3-Trichlorobenzene	ND	0.053						
WS7-0									Hexachlorobutadiene	ND	0.026						
WS7-0									Naphthalene	ND	0.044						
WS7-0									Methyl tert-butyl ether	ND	0.047						
WS7-0																	
WS8-0	8/14/2025	0	Diesel	**230**	5.1	Naphthalene	ND	0.0026	Dichlorodifluoromethane	ND	0.055	Arsenic	**3.3**	0.085	TOC	**8300**	420
WS8-0			Oil	**140**	6.0	2-Methylnaphthalene	ND	0.0037	Chloromethane	ND	0.081	Chromium	**20**	0.41			
WS8-0			Diesel/Oil (Total Dx)	**370**	6	1-Methylnaphthalene	ND	0.0027	Vinyl chloride	ND	0.039	Copper	**11**	0.10			
WS8-0			Gasoline	**4.5**	3.5	Acenaphthylene	ND	0.004	Bromomethane	ND	0.065	Lead	**7.7**	0.30			
WS8-0						Acenaphthene	ND	0.003	Chloroethane	ND	0.11	Chromium, hexavalent	ND	0.20			
WS8-0						Fluorene	ND	0.0027	Trichlorofluoromethane	ND	0.064						
WS8-0						Phenanthrene	ND	0.0044	1,1-Dichloroethene	ND	0.067						
WS8-0						Anthracene	ND	0.0024	Methylene Chloride	ND	0.39						
WS8-0						Fluoranthene	ND	0.003	trans-1,2-Dichloroethene	ND	0.045						
WS8-0						Pyrene	**0.008**	0.0046	1,1-Dichloroethane	ND	0.052						
WS8-0						Benzo[a]anthracene	ND	0.0026	2,2-Dichloropropane	ND	0.047						
WS8-0						Chrysene	ND	0.0018	cis-1,2-Dichloroethene	ND	0.041						
WS8-0						Benzo[b]fluoranthene	ND	0.0042	Bromochloromethane	ND	0.078						
WS8-0						Benzo[k]fluoranthene	ND	0.003	Chloroform	ND	0.046						
WS8-0						Benzo[a]pyrene	ND	0.0051	1,1,1-Trichloroethane	ND	0.034						
WS8-0						Indeno[1,2,3-cd]pyrene	ND	0.0036	Carbon tetrachloride	ND	0.021						
WS8-0						Dibenz(a,h)anthracene	ND	0.0034	1,1-Dichloropropene	ND	0.034						
WS8-0						Benzo[g,h,i]perylene	ND	0.0028	Benzene	ND	0.020						
WS8-0									1,2-Dichloroethane (EDC)	ND	0.043						
WS8-0									Trichloroethene	ND	0.015						
WS8-0									1,2-Dichloropropane	ND	0.059						
WS8-0									Dibromomethane	ND	0.044						
WS8-0									Bromodichloromethane	ND	0.12						
WS8-0									cis-1,3-Dichloropropene	ND	0.040						
WS8-0									Toluene	ND	0.088						
WS8-0									trans-1,3-Dichloropropene	ND	0.051						
WS8-0									1,1,2-Trichloroethane	ND	0.069						
WS8-0									Tetrachloroethene	ND	0.034						
WS8-0									1,3-Dichloropropane	ND	0.058						
WS8-0									Dibromochloromethane	ND	0.032						
WS8-0									1,2-Dibromoethane (EDB)	ND	0.065						
WS8-0									Chlorobenzene	ND	0.040						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS8-0									Ethylbenzene	ND	0.032						
WS8-0									1,1,1,2-Tetrachloroethane	ND	0.038						
WS8-0									1,1,2,2-Tetrachloroethane	ND	0.057						
WS8-0									m-Xylene & p-Xylene	ND	0.056						
WS8-0									o-Xylene	ND	0.045						
WS8-0									Styrene	ND	0.046						
WS8-0									Bromoform	ND	0.037						
WS8-0									Isopropylbenzene	ND	0.060						
WS8-0									Bromobenzene	ND	0.044						
WS8-0									N-Propylbenzene	ND	0.052						
WS8-0									1,2,3-Trichloropropane	ND	0.071						
WS8-0									2-Chlorotoluene	ND	0.032						
WS8-0									1,3,5-Trimethylbenzene	ND	0.063						
WS8-0									4-Chlorotoluene	ND	0.045						
WS8-0									tert-Butylbenzene	ND	0.038						
WS8-0									1,2,4-Trimethylbenzene	ND	0.046						
WS8-0									sec-Butylbenzene	ND	0.036						
WS8-0									1,3-Dichlorobenzene	ND	0.025						
WS8-0									p-Isopropyltoluene	ND	0.040						
WS8-0									1,4-Dichlorobenzene	ND	0.040						
WS8-0									n-Butylbenzene	ND	0.054						
WS8-0									1,2-Dichlorobenzene	ND	0.046						
WS8-0									1,2-Dibromo-3-Chloropropane	ND	0.12						
WS8-0									1,2,4-Trichlorobenzene	ND	0.036						
WS8-0									1,2,3-Trichlorobenzene	ND	0.065						
WS8-0									Hexachlorobutadiene	ND	0.032						
WS8-0									Naphthalene	ND	0.055						
WS8-0									Methyl tert-butyl ether	ND	0.059						
WS8-0																	
WS9-0	8/14/2025	0	Diesel	**1500**	14	Naphthalene	ND	0.0074	Dichlorodifluoromethane	ND	0.22	Arsenic	**4.2**	0.31	TOC	**160000**	1200
WS9-0			Oil	**670**	17	2-Methylnaphthalene	ND	0.011	Chloromethane	ND	0.32	Chromium	**22**	1.5			
WS9-0			Diesel/Oil (Total Dx)	**2170**	17	1-Methylnaphthalene	ND	0.0076	Vinyl chloride	ND	0.16	Copper	**28**	0.36			
WS9-0			Diesel (Silica-Gel)	**1800**	34	Acenaphthylene	ND	0.011	Bromomethane	ND	0.26	Lead	**11**	1.1			
WS9-0			Oil (Silica-Gel)	**450**	86	Acenaphthene	ND	0.0087	Chloroethane	ND	0.44	Chromium, hexavalent	ND	0.61			
WS9-0			Diesel/Oil (Total Dx)(Silica-Gel)	**2250**	86	Fluorene	ND	0.0076	Trichlorofluoromethane	ND	0.25						
WS9-0			Gasoline	**130** [b]	14	Phenanthrene	**0.054**	0.012	1,1-Dichloroethene	ND	0.26						
WS9-0						Anthracene	**0.1**	0.0069	Methylene Chloride	ND	1.5						
WS9-0						Fluoranthene	**0.017**	0.0085	trans-1,2-Dichloroethene	ND	0.18						
WS9-0						Pyrene	**1.3**	0.013	1,1-Dichloroethane	ND	0.20						
WS9-0						Benzo[a]anthracene	**0.028**	0.0073	2,2-Dichloropropane	ND	0.19						
WS9-0						Chrysene	**0.014**	0.0052	cis-1,2-Dichloroethene	ND	0.16						
WS9-0						Benzo[b]fluoranthene	**0.042**	0.012	Bromochloromethane	ND	0.31						
WS9-0						Benzo[k]fluoranthene	**0.012**	0.0086	Chloroform	ND	0.18						
WS9-0						Benzo[a]pyrene	ND	0.015	1,1,1-Trichloroethane	ND	0.13						
WS9-0						Indeno[1,2,3-cd]pyrene	ND	0.01	Carbon tetrachloride	ND	0.085						
WS9-0						Dibenz(a,h)anthracene	ND	0.0097	1,1-Dichloropropene	ND	0.13						

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
WS9-0						Benzo[g,h,i]perylene	**0.014**	0.0081	Benzene	ND	0.077						
WS9-0									1,2-Dichloroethane (EDC)	ND	0.17						
WS9-0									Trichloroethene	ND	0.059						
WS9-0									1,2-Dichloropropane	ND	0.23						
WS9-0									Dibromomethane	ND	0.17						
WS9-0									Bromodichloromethane	ND	0.48						
WS9-0									cis-1,3-Dichloropropene	ND	0.16						
WS9-0									Toluene	ND	0.35						
WS9-0									trans-1,3-Dichloropropene	ND	0.20						
WS9-0									1,1,2-Trichloroethane	ND	0.27						
WS9-0									Tetrachloroethene	ND	0.14						
WS9-0									1,3-Dichloropropane	ND	0.23						
WS9-0									Dibromochloromethane	ND	0.13						
WS9-0									1,2-Dibromoethane (EDB)	ND	0.26						
WS9-0									Chlorobenzene	ND	0.16						
WS9-0									Ethylbenzene	ND	0.13						
WS9-0									1,1,1,2-Tetrachloroethane	ND	0.15						
WS9-0									1,1,1,2-Tetrachloroethane	ND	0.15						
WS9-0									o-Xylene	ND	0.18						
WS9-0									Styrene	ND	0.18						
WS9-0									Bromoform	ND	0.15						
WS9-0									Isopropylbenzene	ND	0.24						
WS9-0									Bromobenzene	ND	0.17						
WS9-0									N-Propylbenzene	ND	0.20						
WS9-0									1,2,3-Trichloropropane	ND	0.28						
WS9-0									2-Chlorotoluene	ND	0.13						
WS9-0									1,3,5-Trimethylbenzene	ND	0.25						
WS9-0									4-Chlorotoluene	ND	0.18						
WS9-0									tert-Butylbenzene	ND	0.15						
WS9-0									1,2,4-Trimethylbenzene	ND	0.18						
WS9-0									sec-Butylbenzene	ND	0.14						
WS9-0									1,3-Dichlorobenzene	ND	0.098						
WS9-0									p-Isopropyltoluene	ND	0.16						
WS9-0									1,4-Dichlorobenzene	ND	0.16						
WS9-0									n-Butylbenzene	ND	0.21						
WS9-0									1,2-Dichlorobenzene	ND	0.18						
WS9-0									1,2-Dibromo-3-Chloropropane	ND	0.46						
WS9-0									1,2,4-Trichlorobenzene	ND	0.14						
WS9-0									1,2,3-Trichlorobenzene	ND	0.26						
WS9-0									Hexachlorobutadiene	ND	0.13						
WS9-0									Naphthalene	ND	0.22						
WS9-0									Methyl tert-butyl ether	ND	0.23						
WS9-0																	
August 2025 South Parking Area Excavation Soil Samples																	
S10-3	8/29/2025	3	Diesel	ND	5.7												
S10-3			Oil	ND	6.8												
S10-3			Diesel/Oil (Total Dx)	ND	6.8												
S11-3	8/29/2025	3	Diesel	**94**	6.0												
S11-3			Oil	**1000**	7.2												
S11-3			Diesel/Oil (Total Dx)	**1094**	7.2												

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TABLE 1a
SOIL SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a]	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL	Analyte	Result (ppm)	MDL
S12-3	8/29/2025	3	Diesel	**260**	4.9												
S12-3			Oil	**200**	5.9												
S12-3			Diesel/Oil (Total Dx)	**460**	5.9												
S12-3 dup	8/29/2025	3	Diesel	**200**	4.7												
S12-3 dup			Oil	**240**	5.6												
S12-3 dup			Diesel/Oil (Total Dx)	**440**	5.6												
S13-2.5	8/29/2025	2.5	Diesel	**21**	5.8												
S13-2.5			Oil	**8.7**	6.9												
S13-2.5			Diesel/Oil (Total Dx)	**29.7**	6.9												
S14-2	8/29/2025	2	Diesel	ND	6.7												
S14-2			Oil	**9.2**	8.0												
S14-2			Diesel/Oil (Total Dx)	**9.2**	8												
S15-2	8/29/2025	2	Diesel	ND	5.9												
S15-2			Oil	**13**	7.0												
S15-2			Diesel/Oil (Total Dx)	**13**	7												

a Method Detection Limit (MDL)
b Gasoline detections are attributed to overlap from diesel

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TABLE 1b
MAXIMUM CONCENTRATIONS: WETLAND SOIL

Analyte	Analytical Method	Maximum Concentration (ppm)	Minimum Applicable DEQ RBCs (ppm)	
			Human Receptors [g]	Ecological Receptors [f]
Petroleum Hydrocarbons (PHCs)				
Gasoline-Range Organics	NWTPH-Gx	**810** [a, d]	31	120
Diesel/Oil (Total Dx)	NWTPH-Dx	**26,200**	1,100	260
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	EPA 8260D	< 0.15	NA [f]	NA
1,1,1-Trichloroethane	EPA 8260D	< 0.13	190	260
1,1,2,2-Tetrachloroethane	EPA 8260D	< 0.23	NA	NA
1,1,2-Trichloroethane	EPA 8260D	< 0.27 [b]	0.0063	NA
1,1-Dichloroethane	EPA 8260D	< 0.20	0.044	210
1,1-Dichloroethene	EPA 8260D	< 0.26	6.7	11
1,1-Dichloropropene	EPA 8260D	< 0.13	NA	NA
1,2,3-Trichlorobenzene	EPA 8260D	< 0.26	NA	NA
1,2,3-Trichloropropane	EPA 8260D	< 0.28	NA	NA
1,2,4-Trimethylbenzene	EPA 8260D	0.880	10	NA
1,2-Dibromo-3-Chloropropane	EPA 8260D	< 0.46	NA	NA
1,2-Dibromoethane (EDB)	EPA 8260D	< 0.26	0.00012	NA
1,2-Dichlorobenzene	EPA 8260D	< 0.18	36	0.92
1,2-Dichloroethane (EDC)	EPA 8260D	< 0.17	0.0028	0.85
1,2-Dichloropropane	EPA 8260D	< 0.23	NA	NA
1,3,5-Trimethylbenzene	EPA 8260D	0.170	11	NA
1,3-Dichlorobenzene	EPA 8260D	< 0.09	NA	0.74
1,3-Dichloropropane	EPA 8260D	< 0.23	NA	NA
1,4-Dichlorobenzene	EPA 8260D	< 0.16	0.057	0.89
2,2-Dichloropropane	EPA 8260D	< 0.19	NA	NA
2-Chlorotoluene	EPA 8260D	< 0.13	NA	NA
4-Chlorotoluene	EPA 8260D	< 0.18	NA	NA
Benzene	EPA 8260D	< 0.07	0.23	24
Bromobenzene	EPA 8260D	< 0.17	NA	NA
Bromochloromethane	EPA 8260D	< 0.31	NA	NA
Bromodichloromethane	EPA 8260D	< 0.48	NA	NA
Bromoform	EPA 8260D	< 0.15	0.20	NA
Bromomethane	EPA 8260D	< 0.26	0.083	NA
Carbon tetrachloride	EPA 8260D	< 0.08	0.013	2
Chlorobenzene	EPA 8260D	< 0.16	5.8	2.4
Chloroethane	EPA 8260D	< 0.44	310	NA
Chloroform	EPA 8260D	< 0.18	0.0034	8
Chloromethane	EPA 8260D	< 0.32	2.2	NA
cis-1,2-Dichloroethene	EPA 8260D	< 0.16	0.63	NA
cis-1,3-Dichloropropene	EPA 8260D	< 0.16	NA	NA
Dibromochloromethane	EPA 8260D	< 0.13	NA	NA
Dibromomethane	EPA 8260D	< 0.17	NA	NA
Dichlorodifluoromethane	EPA 8260D	< 0.22	NA	NA
Ethylbenzene	EPA 8260D	**0.130**	0.22	NA
Hexachlorobutadiene	EPA 8260D	< 0.13	NA	NA
Isopropylbenzene	EPA 8260D	**0.057**	96	NA
Methyl tert-butyl ether	EPA 8260D	< 0.23	0.11	NA
Methylene Chloride	EPA 8260D	< 1.50	0.14	2.6
Naphthalene	EPA 8260D	**0.34**	0.077	1
n-Butylbenzene	EPA 8260D	**0.13**	NA	NA
N-Propylbenzene	EPA 8260D	**0.12**	NA	NA
p-Isopropyltoluene	EPA 8260D	< 0.16	NA	NA
sec-Butylbenzene	EPA 8260D	**0.067**	NA	NA
Styrene	EPA 8260D	< 0.18	170	1.2
tert-Butylbenzene	EPA 8260D	< 0.15	NA	NA
Tetrachloroethene	EPA 8260D	< 0.14	0.46	0.18
Toluene	EPA 8260D	< 0.35	84	23
trans-1,2-Dichloroethene	EPA 8260D	< 0.18	7	NA
trans-1,3-Dichloropropene	EPA 8260D	< 0.20	NA	NA
Trichloroethene	EPA 8260D	< 0.05	0.013	42
Trichlorofluoromethane	EPA 8260D	< 0.25	61	52
Total Xylenes	EPA 8260D	**0.183**	23	1.4
Vinyl chloride	EPA 8260D	< 0.16	0.00057	0.12

TABLE 1b (continued)

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TABLE 1b (Continued)
MAXIMUM CONCENTRATIONS: WETLAND SOIL

Polynuclear Aromatic Hydrocarbons (PAHs)				
Acenaphthene	EPA 8270E-SIM	**0.017**	4,700	0.25
Acenaphthylene	EPA 8270E-SIM	**0.005**	NA	See Total LPAHs
Anthracene	EPA 8270E-SIM	**1.2**	23,000	6.8
Benzo[a]anthracene	EPA 8270E-SIM	**0.11**	1.1	18
Benzo[a]pyrene	EPA 8270E-SIM	**0.006**	0.11	See Total HPAHs
Benzo[b]fluoranthene	EPA 8270E-SIM	**0.042**	1.1	18
Benzo[g,h,i]perylene	EPA 8270E-SIM	**0.026**	NA	See Total HPAHs
Benzo[k]fluoranthene	EPA 8270E-SIM	**0.012**	11	See Total HPAHs
Chrysene	EPA 8270E-SIM	**0.052**	110	See Total HPAHs
Dibenz(a,h)anthracene	EPA 8270E-SIM	< 0.037	0.11	See Total HPAHs
Fluoranthene	EPA 8270E-SIM	**0.15**	2,400	See Total HPAHs
Fluorene	EPA 8270E-SIM	**0.13**	3,100	See Total LPAHs
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	**0.008**	1.1	See Total HPAHs
Naphthalene	EPA 8270E-SIM	**0.024**	0.077	1
Phenanthrene	EPA 8270E-SIM	**0.52**	NA	See Total LPAHs
Pyrene	EPA 8270E-SIM	**4.5**	1,800	See Total HPAHs
1-Methylnaphthalene	EPA 8270E-SIM	**0.16**	NA	See Total LPAHs
2-Methylnaphthalene	EPA 8270E-SIM	**0.076**	NA	See Total LPAHs
Total LPAHs (2-3 rings)	EPA 8270E-SIM	**2.08** [e]	NA	13
Total HPAHs (4+ rings)	EPA 8270E-SIM	**4.93** [e]	NA	0.11
Total Metals				
Arsenic	6020B	**4.2** [c]	0.43	6.8
Hexavalent Chromium/Chromium	6020B	**0.26 / 22**	0.30 / 120000	23
Copper	6020B	**28**	3100	14
Lead	6020B	**16**	30	11

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates one-half the method detection limit (non-detect) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Lab attributes detections to diesel overlap; DEQ notes potential red dye overlap

e Total LPAH and Total HPAH concentrations are the maximum sample-based calculated sums from Table 1a individual PAH results. Non-detect values are represented at one-half the method detection limit (1/2 MDL).

f Ecological RBCs are from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/cleanupTable1a1bEcoRBCs.xlsx; Ecological RBCs for Total LPAHs (2-3 rings) and Total HPAHs (4+ rings) from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil.

g Human health RBCs are the minimum applicable values from: Oregon DEQ, Risk-Based Concentrations for Individual Chemicals (Soil Ingestion, Dermal Contact, and Inhalation pathway, Residential Urban Residential scenario). Revision: May 2018 revised August 2023. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/rbdmtable.pdf

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TABLE 1c
MAXIMUM CONCENTRATIONS: ALL SOIL SAMPLES

Analyte	Analytical Method	Maximum Concentration (ppm)	Minimum Applicable DEQ RBCs (ppm)	
			Human Receptors [g]	Ecological Receptors [f]
Petroleum Hydrocarbons (PHCs)				
Gasoline-Range Organics	NWTPH-Gx	**2,900** [a, d]	31	120
Diesel/Oil (Total Dx)	NWTPH-Dx	**28,200**	1,100	260
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	EPA 8260D	< 0.23	NA [f]	NA
1,1,1-Trichloroethane	EPA 8260D	< 0.21	190	260
1,1,2,2-Tetrachloroethane	EPA 8260D	**0.74**	NA	NA
1,1,2-Trichloroethane	EPA 8260D	< 0.43	0.0063	NA
1,1-Dichloroethane	EPA 8260D	< 0.32	0.044	210
1,1-Dichloroethene	EPA 8260D	< 0.41	6.7	11
1,1-Dichloropropene	EPA 8260D	< 0.21	NA	NA
1,2,3-Trichlorobenzene	EPA 8260D	< 0.41	NA	NA
1,2,3-Trichloropropane	EPA 8260D	< 0.45	NA	NA
1,2,4-Trimethylbenzene	EPA 8260D	**35**	10	NA
1,2-Dibromo-3-Chloropropane	EPA 8260D	**0.72**	NA	NA
1,2-Dibromoethane (EDB)	EPA 8260D	< 0.26	0.00012	NA
1,2-Dichlorobenzene	EPA 8260D	< 0.28	36	0.92
1,2-Dichloroethane (EDC)	EPA 8260D	< 0.17	0.0028	0.85
1,2-Dichloropropane	EPA 8260D	< 0.37	NA	NA
1,3,5-Trimethylbenzene	EPA 8260D	**14**	11	NA
1,3-Dichlorobenzene	EPA 8260D	< 0.15	NA	0.74
1,3-Dichloropropane	EPA 8260D	< 0.36	NA	NA
1,4-Dichlorobenzene	EPA 8260D	< 0.25	0.057	0.89
2,2-Dichloropropane	EPA 8260D	< 0.3	NA	NA
2-Chlorotoluene	EPA 8260D	**0.054**	NA	NA
4-Chlorotoluene	EPA 8260D	< 0.28	NA	NA
Benzene	EPA 8260D	< 0.12	0.023	24
Bromobenzene	EPA 8260D	< 0.27	NA	NA
Bromochloromethane	EPA 8260D	< 0.31	NA	NA
Bromodichloromethane	EPA 8260D	< 0.48	NA	NA
Bromoform	EPA 8260D	< 0.23	0.20	NA
Bromomethane	EPA 8260D	< 0.4	0.083	NA
Carbon tetrachloride	EPA 8260D	< 0.13	0.013	2
Chlorobenzene	EPA 8260D	< 0.25	5.8	2.4
Chloroethane	EPA 8260D	< 0.69	310	NA
Chloroform	EPA 8260D	< 0.29	0.0034	8
Chloromethane	EPA 8260D	< 0.51	2.2	NA
cis-1,2-Dichloroethene	EPA 8260D	< 0.25	0.63	NA
cis-1,3-Dichloropropene	EPA 8260D	< 0.25	NA	NA
Dibromochloromethane	EPA 8260D	< 0.13	NA	NA
Dibromomethane	EPA 8260D	< 0.27	NA	NA
Dichlorodifluoromethane	EPA 8260D	< 0.34	NA	NA
Ethylbenzene	EPA 8260D	**2.1**	0.22	NA
Hexachlorobutadiene	EPA 8260D	< 0.2	NA	NA
Isopropylbenzene	EPA 8260D	**1.3**	96	NA
Methyl tert-butyl ether	EPA 8260D	< 0.36	0.11	NA
Methylene Chloride	EPA 8260D	< 2.4	0.14	2.6
Naphthalene	EPA 8260D	**4.3**	0.077	1
n-Butylbenzene	EPA 8260D	**5.3**	NA	NA
N-Propylbenzene	EPA 8260D	**4**	NA	NA
p-Isopropyltoluene	EPA 8260D	**1.3**	NA	NA
sec-Butylbenzene	EPA 8260D	**1.9**	NA	NA
Styrene	EPA 8260D	< 0.29	170	1.2
tert-Butylbenzene	EPA 8260D	**0.26**	NA	NA
Tetrachloroethene	EPA 8260D	< 0.21	0.46	0.18
Toluene	EPA 8260D	**0.72**	84	23
trans-1,2-Dichloroethene	EPA 8260D	< 0.28	7	NA
trans-1,3-Dichloropropene	EPA 8260D	< 0.32	NA	NA
Trichloroethene	EPA 8260D	< 0.092	0.013	42
Trichlorofluoromethane	EPA 8260D	< 0.25	61	52
Total Xylenes	EPA 8260D	**30**	23	1.4
Vinyl chloride	EPA 8260D	< 0.25	0.00057	0.12

TABLE 1c (continued)

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TABLE 1c (Continued)
MAXIMUM CONCENTRATIONS: WETLAND SOIL

Polynuclear Aromatic Hydrocarbons (PAHs)				
Acenaphthene	EPA 8270E-SIM	**0.017**	4,700	0.25
Acenaphthylene	EPA 8270E-SIM	**0.043**	NA	See Total LPAHs
Anthracene	EPA 8270E-SIM	**1.2**	23,000	6.8
Benzo[a]anthracene	EPA 8270E-SIM	**0.11**	1.1	18
Benzo[a]pyrene	EPA 8270E-SIM	**0.0058**	0.11	See Total HPAHs
Benzo[b]fluoranthene	EPA 8270E-SIM	**0.042**	1.1	18
Benzo[g,h,i]perylene	EPA 8270E-SIM	**0.026**	NA	See Total HPAHs
Benzo[k]fluoranthene	EPA 8270E-SIM	**0.012**	11	See Total HPAHs
Chrysene	EPA 8270E-SIM	**0.052**	110	See Total HPAHs
Dibenz(a,h)anthracene	EPA 8270E-SIM	< 0.037	0.11	See Total HPAHs
Fluoranthene	EPA 8270E-SIM	**0.4**	2,400	See Total HPAHs
Fluorene	EPA 8270E-SIM	**0.13**	3,100	See Total LPAHs
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	**0.0084**	1.1	See Total HPAHs
Naphthalene	EPA 8270E-SIM	**0.69**	0.077	1
Phenanthrene	EPA 8270E-SIM	**0.52**	NA	See Total LPAHs
Pyrene	EPA 8270E-SIM	**4.5**	1800	See Total HPAHs
1-Methylnaphthalene	EPA 8270E-SIM	**0.71**	NA	See Total LPAHs
2-Methylnaphthalene	EPA 8270E-SIM	**1.3**	NA	See Total LPAHs
Total LPAHs (2-3 rings)	EPA 8270E-SIM	**3.53** [e]	NA	13
Total HPAHs (4+ rings)	EPA 8270E-SIM	**4.93** [e]	NA	0.11
Total Metals				
Arsenic	6020B	**5.1** [c]	0.43	6.8
Barium	6020B	**220**	15,000	110
Cadmium	6020B	< 2.1	78	0.27
Chromium	6020B	**0.26 / 22**	20,000	23
Copper	6020B	**28**	3100	14
Lead	6020B	**31**	30	11
Mercury	6020B	**0.098**	23	0.00035
Selenium	6020B	< 30	NA	0.52
Silver	6020B	< 2.8	390	2.6

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates one-half the method detection limit (non-detect) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Lab attributes detections to diesel overlap; DEQ notes potential red dye overlap

e Total LPAH and Total HPAH concentrations are the maximum sample-based calculated sums from Table 1a individual PAH results. Non-detect values are represented at one-half the method detection limit (1/2 MDL).

f Ecological RBCs are from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/cleanupTable1a1bEcoRBCs.xlsx; Ecological RBCs for Total LPAHs (2-3 rings) and Total HPAHs (4+ rings) from: Oregon DEQ, Table 1a – Ecological Risk-Based Concentrations for Soil.

g Human health RBCs are the minimum applicable values from: Oregon DEQ, Risk-Based Concentrations for Individual Chemicals (Soil Ingestion, Dermal Contact, and Inhalation pathway, Residential Urban Residential scenario). Revision: May 2018 revised August 2023. https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/rbdmtable.pdf

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TABLE 2a
SEDIMENT SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a] (ppm)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppm)	MDL (ppm)	Analyte	Result (ppm)	MDL (ppm)
Sed1	8/14/2025	0	Diesel	**17,000**	240	Naphthalene	**390**	12	Dichlorodifluoromethane	ND	380	Arsenic	**3**	0	TOC	**61,000**	2,000
Sed1			Oil	**1,300**	290	2-Methylnaphthalene	**1,000**	18	Chloromethane	ND	560	Chromium	**18**	2			
Sed1			Diesel/Oil (Total Dx)	**18,300**	290	1-Methylnaphthalene	**980**	13	Vinyl chloride	ND	270	Copper	**18**	1			
Sed1			Diesel (Silica-Gel)	**17,000**	24	Acenaphthylene	ND	19	Bromomethane	ND	440	Lead	**12**	2			
Sed1			Oil (Silica-Gel)	**1,000**	29	Acenaphthene	**530**	14	Chloroethane	ND	750	Chromium, hexavalent	ND	1			
Sed1			Diesel/Oil (Total Dx)(Silica-Gel)	**18,000**	29	Fluorene	**970**	13	Trichlorofluoromethane	ND	440						
Sed1			Gasoline	**540** [b]	24	Phenanthrene	**1,900**	210	1,1-Dichloroethene	ND	460						
Sed1						Anthracene	**1,000**	110	Methylene Chloride	ND	2,700						
Sed1						Fluoranthene	ND	140	trans-1,2-Dichloroethene	ND	310						
Sed1						Pyrene	**1,200**	22	1,1-Dichloroethane	ND	350						
Sed1						Benzo[a]anthracene	ND	12	2,2-Dichloropropane	ND	320						
Sed1						Chrysene	**100**	8.7	cis-1,2-Dichloroethene	ND	280						
Sed1						Benzo[b]fluoranthene	ND	20	Bromochloromethane	ND	530						
Sed1						Benzo[k]fluoranthene	ND	14	Chloroform	ND	310						
Sed1						Benzo[a]pyrene	ND	24	1,1,1-Trichloroethane	ND	230						
Sed1						Indeno[1,2,3-cd]pyrene	ND	17	Carbon tetrachloride	ND	150						
Sed1						Dibenz(a,h)anthracene	ND	16	1,1-Dichloropropene	ND	230						
Sed1						Benzo[g,h,i]perylene	ND	13	Benzene	ND	130						
Sed1									1,2-Dichloroethane (EDC)	ND	290						
Sed1									Trichloroethene	ND	100						
Sed1									1,2-Dichloropropane	ND	400						
Sed1									Dibromomethane	ND	300						
Sed1									Bromodichloromethane	ND	830						
Sed1									cis-1,3-Dichloropropene	ND	270						
Sed1									Toluene	ND	600						
Sed1									trans-1,3-Dichloropropene	ND	350						
Sed1									1,1,2-Trichloroethane	ND	470						
Sed1									Tetrachloroethene	ND	230						
Sed1									1,3-Dichloropropane	ND	400						
Sed1									Dibromochloromethane	ND	220						
Sed1									1,2-Dibromoethane (EDB)	ND	450						
Sed1									Chlorobenzene	ND	280						
Sed1									Ethylbenzene	ND	220						
Sed1									1,1,1-Trichloroethane	ND	260						
Sed1									1,1,2,2-Tetrachloroethane	ND	390						
Sed1									m-Xylene & p-Xylene	ND	380						
Sed1									o-Xylene	**530**	310						
Sed1									Styrene	ND	320						
Sed1									Bromoform	ND	250						
Sed1									Isopropylbenzene	ND	410						
Sed1									Bromobenzene	ND	300						
Sed1									N-Propylbenzene	ND	350						
Sed1									1,2,3-Trichloropropane	ND	490						
Sed1									2-Chlorotoluene	ND	220						
Sed1									1,3,5-Trimethylbenzene	**1,200**	430						
Sed1									4-Chlorotoluene	ND	310						
Sed1									tert-Butylbenzene	ND	260						
Sed1									1,2,4-Trimethylbenzene	**1,700**	310						
Sed1									sec-Butylbenzene	**390**	250						

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TABLE 2a
SEDIMENT SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a] (ppm)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppm)	MDL (ppm)	Analyte	Result (ppm)	MDL (ppm)
Sed1									1,3-Dichlorobenzene	ND	170						
Sed1									p-Isopropyltoluene	**680**	270						
Sed1									1,4-Dichlorobenzene	ND	270						
Sed1									n-Butylbenzene	**910**	370						
Sed1									1,2-Dichlorobenzene	ND	310						
Sed1									1,2-Dibromo-3-Chloropropane	ND	800						
Sed1									1,2,4-Trichlorobenzene	ND	250						
Sed1									1,2,3-Trichlorobenzene	ND	450						
Sed1									Hexachlorobutadiene	ND	220						
Sed1									Naphthalene	**850**	370						
Sed1									Methyl tert-butyl ether	ND	400						
Sed1																	
Sed1																	
Sed2	8/14/2025	0	Diesel	**31**	14	Naphthalene	ND	7.3	Dichlorodifluoromethane	ND	200	Arsenic	**2**	0	TOC	**28,000**	1,200
Sed2			Oil	**46**	17	2-Methylnaphthalene	ND	11	Chloromethane	ND	300	Chromium	**14**	1			
Sed2			Diesel/Oil (Total Dx)	**77**	17	1-Methylnaphthalene	ND	7.5	Vinyl chloride	ND	150	Copper	**17**	0			
Sed2			Gasoline	ND	13	Acenaphthylene	ND	11	Bromomethane	ND	240	Lead	**9**	1			
Sed2						Acenaphthene	ND	8.6	Chloroethane	ND	410	Chromium, hexavalent	ND	1			
Sed2						Fluorene	ND	7.5	Trichlorofluoromethane	ND	240						
Sed2						Phenanthrene	ND	12	1,1-Dichloroethene	ND	250						
Sed2						Anthracene	ND	6.8	Methylene Chloride	ND	1,400						
Sed2						Fluoranthene	ND	8.5	trans-1,2-Dichloroethene	ND	170						
Sed2						Pyrene	ND	13	1,1-Dichloroethane	ND	190						
Sed2						Benzo[a]anthracene	ND	7.2	2,2-Dichloropropane	ND	180						
Sed2						Chrysene	ND	5.2	cis-1,2-Dichloroethene	ND	150						
Sed2						Benzo[b]fluoranthene	ND	12	Bromochloromethane	ND	290						
Sed2						Benzo[k]fluoranthene	ND	8.5	Chloroform	ND	170						
Sed2						Benzo[a]pyrene	ND	14	1,1,1-Trichloroethane	ND	120						
Sed2						Indeno[1,2,3-cd]pyrene	ND	10	Carbon tetrachloride	ND	79						
Sed2						Dibenz(a,h)anthracene	ND	9.6	1,1-Dichloropropene	ND	130						
Sed2						Benzo[g,h,i]perylene	ND	8	Benzene	ND	72						
Sed2									1,2-Dichloroethane (EDC)	ND	160						
Sed2									Trichloroethene	ND	55						
Sed2									1,2-Dichloropropane	ND	220						
Sed2									Dibromomethane	ND	160						
Sed2									Bromodichloromethane	ND	450						
Sed2									cis-1,3-Dichloropropene	ND	150						
Sed2									Toluene	ND	330						
Sed2									trans-1,3-Dichloropropene	ND	190						
Sed2									1,1,2-Trichloroethane	ND	250						
Sed2									Tetrachloroethene	ND	130						
Sed2									1,3-Dichloropropane	ND	210						
Sed2									Dibromochloromethane	ND	120						
Sed2									1,2-Dibromoethane (EDB)	ND	240						
Sed2									Chlorobenzene	ND	150						
Sed2									Ethylbenzene	ND	120						
Sed2									1,1,1,2-Tetrachloroethane	ND	140						
Sed2									1,1,2,2-Tetrachloroethane	ND	210						
Sed2									m-Xylene & p-Xylene	ND	210						
Sed2									o-Xylene	ND	170						

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TABLE 2a
SEDIMENT SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a] (ppm)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppm)	MDL (ppm)	Analyte	Result (ppm)	MDL (ppm)
Sed2									Styrene	ND	170						
Sed2									Bromoform	ND	140						
Sed2									Isopropylbenzene	ND	220						
Sed2									Bromobenzene	ND	160						
Sed2									N-Propylbenzene	ND	190						
Sed2									1,2,3-Trichloropropane	ND	260						
Sed2									2-Chlorotoluene	ND	120						
Sed2									1,3,5-Trimethylbenzene	ND	230						
Sed2									4-Chlorotoluene	ND	170						
Sed2									tert-Butylbenzene	ND	140						
Sed2									1,2,4-Trimethylbenzene	ND	170						
Sed2									sec-Butylbenzene	ND	130						
Sed2									1,3-Dichlorobenzene	ND	91						
Sed2									p-Isopropyltoluene	ND	150						
Sed2									1,4-Dichlorobenzene	ND	150						
Sed2									n-Butylbenzene	ND	200						
Sed2									1,2-Dichlorobenzene	ND	170						
Sed2									1,2-Dibromo-3-Chloropropane	ND	430						
Sed2									1,2,4-Trichlorobenzene	ND	130						
Sed2									1,2,3-Trichlorobenzene	ND	240						
Sed2									Hexachlorobutadiene	ND	120						
Sed2									Naphthalene	ND	200						
Sed2									Methyl tert-butyl ether	ND	220						
Sed2																	
Sed2 DUP	8/14/2025	0	Diesel	**56**	20	Naphthalene	ND	10	Dichlorodifluoromethane	ND	280	Arsenic	**2**	0	TOC	**40,000**	1,600
Sed2 DUP			Oil	**78**	24	2-Methylnaphthalene	ND	15	Chloromethane	ND	410	Chromium	**13**	2			
Sed2 DUP			Diesel/Oil (Total Dx)	**134**	24	1-Methylnaphthalene	ND	10	Vinyl chloride	ND	200	Copper	**19**	0			
Sed2 DUP			Gasoline	ND	18	Acenaphthylene	ND	16	Bromomethane	ND	330	Lead	**11**	1			
Sed2 DUP						Acenaphthene	ND	12	Chloroethane	ND	560						
Sed2 DUP						Fluorene	ND	10	Trichlorofluoromethane	ND	320						
Sed2 DUP						Phenanthrene	ND	17	1,1-Dichloroethene	ND	340						
Sed2 DUP						Anthracene	ND	9.4	Methylene Chloride	ND	2,000						
Sed2 DUP						Fluoranthene	ND	12	trans-1,2-Dichloroethene	ND	230						
Sed2 DUP						Pyrene	ND	18	1,1-Dichloroethane	ND	260						
Sed2 DUP						Benzo[a]anthracene	ND	10	2,2-Dichloropropane	ND	240						
Sed2 DUP						Chrysene	ND	7.1	cis-1,2-Dichloroethene	ND	200						
Sed2 DUP						Benzo[b]fluoranthene	ND	16	Bromochloromethane	ND	390						
Sed2 DUP						Benzo[k]fluoranthene	ND	12	Chloroform	ND	230						
Sed2 DUP						Benzo[a]pyrene	ND	20	1,1,1-Trichloroethane	ND	170						
Sed2 DUP						Indeno[1,2,3-cd]pyrene	ND	14	Carbon tetrachloride	ND	110						
Sed2 DUP						Dibenz(a,h)anthracene	ND	13	1,1-Dichloropropene	ND	170						
Sed2 DUP						Benzo[g,h,i]perylene	ND	11	Benzene	ND	98						
Sed2 DUP									1,2-Dichloroethane (EDC)	ND	210						
Sed2 DUP									Trichloroethene	ND	75						
Sed2 DUP									1,2-Dichloropropane	ND	300						
Sed2 DUP									Dibromomethane	ND	220						
Sed2 DUP									Bromodichloromethane	ND	610						
Sed2 DUP									cis-1,3-Dichloropropene	ND	200						
Sed2 DUP									Toluene	ND	440						
Sed2 DUP									trans-1,3-Dichloropropene	ND	260						

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TABLE 2a
SEDIMENT SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Depth (feet)	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
			Analyte	Result (ppm)	MDL [a] (ppm)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppb)	MDL (ppb)	Analyte	Result (ppm)	MDL (ppm)	Analyte	Result (ppm)	MDL (ppm)
Sed2 DUP									1,1,2-Trichloroethane	ND	350						
Sed2 DUP									Tetrachloroethene	ND	170						
Sed2 DUP									1,3-Dichloropropane	ND	290						
Sed2 DUP									Dibromochloromethane	ND	160						
Sed2 DUP									1,2-Dibromoethane (EDB)	ND	330						
Sed2 DUP									Chlorobenzene	ND	200						
Sed2 DUP									Ethylbenzene	ND	160						
Sed2 DUP									1,1,1,2-Tetrachloroethane	ND	190						
Sed2 DUP									1,1,2,2-Tetrachloroethane	ND	290						
Sed2 DUP									m-Xylene & p-Xylene	ND	280						
Sed2 DUP									o-Xylene	ND	230						
Sed2 DUP									Styrene	ND	230						
Sed2 DUP									Bromoform	ND	190						
Sed2 DUP									Isopropylbenzene	ND	300						
Sed2 DUP									Bromobenzene	ND	220						
Sed2 DUP									N-Propylbenzene	ND	260						
Sed2 DUP									1,2,3-Trichloropropane	ND	360						
Sed2 DUP									2-Chlorotoluene	ND	160						
Sed2 DUP									1,3,5-Trimethylbenzene	ND	320						
Sed2 DUP									4-Chlorotoluene	ND	230						
Sed2 DUP									tert-Butylbenzene	ND	190						
Sed2 DUP									1,2,4-Trimethylbenzene	ND	230						
Sed2 DUP									sec-Butylbenzene	ND	180						
Sed2 DUP									1,3-Dichlorobenzene	ND	120						
Sed2 DUP									p-Isopropyltoluene	ND	200						
Sed2 DUP									1,4-Dichlorobenzene	ND	200						
Sed2 DUP									n-Butylbenzene	ND	270						
Sed2 DUP									1,2-Dichlorobenzene	ND	230						
Sed2 DUP									1,2-Dibromo-3-Chloropropane	ND	590						
Sed2 DUP									1,2,4-Trichlorobenzene	ND	180						
Sed2 DUP									1,2,3-Trichlorobenzene	ND	330						
Sed2 DUP									Hexachlorobutadiene	ND	160						
Sed2 DUP									Naphthalene	ND	280						
Sed2 DUP									Methyl tert-butyl ether	ND	300						

a Method Detection Limit (MDL)
b Gasoline detections are attributed to overlap from diesel

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TABLE 2b
MAXIMUM CONCENTRATIONS: WETLAND SEDIMENT

Analyte	Analytical Method	Maximum Concentration	DEQ Ecological RBC [b] Freshwater Sediment	DEQ Marine Sediment RBC [b,c] Marine Sediment (Surrogate)	WA DOE Freshwater SCO SQV [d] WA DOE SMS
Petroleum Hydrocarbons (PHCs) (ppm)					
Gasoline-Range Organics	NWTPH-Gx	540 [a]	NA [g]	NA	NA
Diesel/Oil (Total Dx)	NWTPH-Dx	**18,300**	NA	NA	340
Volatile Organic Compounds (VOCs) (ppb)					
1,1,1,2-Tetrachloroethane	EPA 8260D	<260	NA	NA	NA
1,1,1-Trichloroethane	EPA 8260D	<230	NA	NA	NA
1,1,2,2-Tetrachloroethane	EPA 8260D	<390	NA	NA	NA
1,1,2-Trichloroethane	EPA 8260D	<470	NA	NA	NA
1,1-Dichloroethane	EPA 8260D	<350	NA	NA	NA
1,1-Dichloroethene	EPA 8260D	<460	NA	NA	NA
1,1-Dichloropropene	EPA 8260D	<230	NA	NA	NA
1,2,3-Trichlorobenzene	EPA 8260D	<450	NA	NA	NA
1,2,3-Trichloropropane	EPA 8260D	<490	NA	NA	NA
1,2,4-Trimethylbenzene	EPA 8260D	**1700**	NA	NA	NA
1,2-Dibromo-3-Chloropropane	EPA 8260D	<800	NA	NA	NA
1,2-Dibromoethane (EDB)	EPA 8260D	<450	NA	NA	NA
1,2-Dichlorobenzene	EPA 8260D	<310	NA	13 [b,c]	NA
1,2-Dichloroethane (EDC)	EPA 8260D	<290	NA	NA	NA
1,2-Dichloropropane	EPA 8260D	<400	NA	NA	NA
1,3,5-Trimethylbenzene	EPA 8260D	**1200**	NA	NA	NA
1,3-Dichlorobenzene	EPA 8260D	<170	NA	NA	NA
1,3-Dichloropropane	EPA 8260D	<400	NA	NA	NA
1,4-Dichlorobenzene	EPA 8260D	<270	NA	110 [b,c]	NA
2,2-Dichloropropane	EPA 8260D	<320	NA	NA	NA
2-Chlorotoluene	EPA 8260D	<220	NA	NA	NA
4-Chlorotoluene	EPA 8260D	<310	NA	NA	NA
Benzene	EPA 8260D	<130	NA	NA	NA
Bromobenzene	EPA 8260D	<300	NA	NA	NA
Bromochloromethane	EPA 8260D	<530	NA	NA	NA
Bromodichloromethane	EPA 8260D	<830	NA	NA	NA
Bromoform	EPA 8260D	<250	NA	NA	NA
Bromomethane	EPA 8260D	<440	NA	NA	NA
Carbon tetrachloride	EPA 8260D	<150	NA	NA	NA
Chlorobenzene	EPA 8260D	<280	NA	NA	NA
Chloroethane	EPA 8260D	<750	NA	NA	NA
Chloroform	EPA 8260D	<310	NA	NA	NA
Chloromethane	EPA 8260D	<560	NA	NA	NA
cis-1,2-Dichloroethene	EPA 8260D	<280	NA	NA	NA
cis-1,3-Dichloropropene	EPA 8260D	<270	NA	NA	NA
Dibromochloromethane	EPA 8260D	<220	NA	NA	NA
Dibromomethane	EPA 8260D	<300	NA	NA	NA
Dichlorodifluoromethane	EPA 8260D	<380	NA	NA	NA
Ethylbenzene	EPA 8260D	<220	NA	4 [b,c]	NA
Hexachlorobutadiene	EPA 8260D	<220	NA	1 [b,c]	NA
Isopropylbenzene	EPA 8260D	<410	NA	NA	NA
Methyl tert-butyl ether	EPA 8260D	<400	NA	NA	NA

TABLE 2b (Continued)

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TABLE 2b (Continued)
MAXIMUM CONCENTRATIONS: WETLAND SEDIMENT

Analyte	Analytical Method	Maximum Concentration	DEQ Ecological RBC [b] Freshwater Sediment	DEQ Marine Sediment RBC [b,c] Marine Sediment (Surrogate)	WA DOE Freshwater SCO SQV [d] WA DOE SMS
Methylene Chloride	EPA 8260D	<2700	NA	NA	NA
Naphthalene	EPA 8260D	**850**	176	35 [b,c]	NA
n-Butylbenzene	EPA 8260D	**910**	NA	NA	NA
N-Propylbenzene	EPA 8260D	<350	NA	NA	NA
p-Isopropyltoluene	EPA 8260D	**680**	NA	NA	NA
sec-Butylbenzene	EPA 8260D	**390**	NA	NA	NA
Styrene	EPA 8260D	<320	NA	NA	NA
tert-Butylbenzene	EPA 8260D	<260	NA	NA	NA
Tetrachloroethene	EPA 8260D	<230	NA	57 [b,c]	NA
Toluene	EPA 8260D	<600	NA	NA	NA
trans-1,2-Dichloroethene	EPA 8260D	<310	NA	NA	NA
trans-1,3-Dichloropropene	EPA 8260D	<350	NA	NA	NA
Trichloroethene	EPA 8260D	<100	NA	41 [b,c]	NA
Trichlorofluoromethane	EPA 8260D	<440	NA	NA	NA
Total Xylenes	EPA 8260D	<280	NA	4 [b,c]	NA
Vinyl chloride	EPA 8260D	<270	NA	NA	NA
Polycyclic Aromatic Hydrocarbons (PAHs) (ppb)					
Acenaphthene	EPA 8270E-SIM	**530**	290	7 [b,c]	NA
Acenaphthylene	EPA 8270E-SIM	<19	160	6 [b,c]	NA
Anthracene	EPA 8270E-SIM	1000	57	47 [b,c]	NA
Benzo[a]anthracene	EPA 8270E-SIM	<12	32	75 [b,c]	NA
Benzo[a]pyrene	EPA 8270E-SIM	<24	32	89 [b,c]	NA
Benzo[b]fluoranthene	EPA 8270E-SIM	<20	NA	1800 [b,c]	NA
Benzo[g,h,i]perylene	EPA 8270E-SIM	<13	300	670 [b,c]	NA
Benzo[k]fluoranthene	EPA 8270E-SIM	<14	27	1800 [b,c]	NA
Chrysene	EPA 8270E-SIM	100	57	107 [b,c]	NA
Dibenz(a,h)anthracene	EPA 8270E-SIM	<16	33	6 [b,c]	NA
Fluoranthene	EPA 8270E-SIM	<140	111	113 [b,c]	NA
Fluorene	EPA 8270E-SIM	970	77	21 [b,c]	NA
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	<17	17	600 [b,c]	NA
Naphthalene	EPA 8270E-SIM	390	176	35 [b,c]	NA
Phenanthrene	EPA 8270E-SIM	1900	42	86 [b,c]	NA
Pyrene	EPA 8270E-SIM	1200	53	152 [b,c]	NA
1-Methylnaphthalene	EPA 8270E-SIM	980	NA	NA	NA
2-Methylnaphthalene	EPA 8270E-SIM	**1000**	NA	20 [b,c,e]	NA
Total Low Molecular Weight PAHs (LPAH)	EPA 8270E-SIM	**6770**	76	312 [b,c]	NA
Total High Molecular Weight PAHs (HPAH)	EPA 8270E-SIM	**1300**	193	655 [b,c]	NA
Total PAH	EPA 8270E-SIM	**8070**	1610	1,684 [b,c]	NA
Metals (ppm)					
Arsenic	6010D	**2.9**	6	7 [b]	NA
Hexavalent/Total Chromium	6010D	< 0.98 / **18**	37	52 [b]	NA
Copper	6010D	**18**	36	19 [b]	NA
Lead	6010D	**12**	35	30 [b]	NA

Notes

a Gasoline detections are attributed to overlap from diesel

b Organic RBC values from Oregon DEQ Table 3 - Risk-Based Concentrations for Sediment (ppb); Inorganic RBCs from same source (ppm).

c Marine sediment RBC used as surrogate where no freshwater RBC is available (per DEQ direction).

d WA DOE Sediment Cleanup Users Manual (SCUM) SQV for NW-TPH Dx (freshwater sediment) = 340 ppm, used as surrogate per DEQ direction.

e 2-Methylnaphthalene: Threshold Effects Level (TEL) for marine sediment from NOAA SQuiRTs, as reported in Oregon DEQ Table 3.

f Total LPAH, HPAH, and PAH concentrations were calculated from sample-level data per DEQ direction; RBC values from DEQ Table 3 - RBCs for Sediment.

g No published ecological screening level identified in Oregon DEQ Table 3, DEQ marine sediment RBCs, or WA DOE SMS freshwater SCO/SQVs for this analyte.

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW1	8/14/2025	Diesel	**3100**	110	Naphthalene	ND	0.054	Dichlorodifluoromethane	ND	0.64	Arsenic	**1.4**	0.19	TOC	**23**	1.2
SW1		Oil	**1200**	120	2-Methylnaphthalene	ND	0.045	Chloromethane	ND	0.50	Chromium	**0.84**	0.37			
SW1		Diesel/Oil (Total Dx)	**4300**	120	1-Methylnaphthalene	**0.029**	0.023	Vinyl chloride	ND	0.13	Copper	**2.1**	0.23			
SW1		Gasoline	**66** [b]	54	Acenaphthylene	ND	0.016	Bromomethane	ND	0.76	Lead	**0.79**	0.059			
SW1					Acenaphthene	ND	0.022	Chloroethane	ND	0.40						
SW1					Fluorene	ND	0.016	Trichlorofluoromethane	ND	0.20						
SW1					Phenanthrene	**0.068**	0.044	1,1-Dichloroethene	ND	0.20						
SW1					Anthracene	ND	0.025	Methylene Chloride	ND	2.2						
SW1					Fluoranthene	ND	0.044	trans-1,2-Dichloroethene	ND	0.20						
SW1					Pyrene	**0.37**	0.046	1,1-Dichloroethane	ND	0.29						
SW1					Benzo[a]anthracene	ND	0.028	2,2-Dichloropropane	ND	0.66						
SW1					Chrysene	ND	0.018	cis-1,2-Dichloroethene	ND	0.23						
SW1					Benzo[b]fluoranthene	ND	0.025	Bromochloromethane	ND	0.44						
SW1					Benzo[k]fluoranthene	ND	0.026	Chloroform	ND	0.24						
SW1					Benzo[a]pyrene	ND	0.021	1,1,1-Trichloroethane	ND	0.17						
SW1					Indeno[1,2,3-cd]pyrene	ND	0.022	Carbon tetrachloride	ND	0.40						
SW1					Dibenz(a,h)anthracene	ND	0.026	1,1-Dichloropropene	ND	0.50						
SW1					Benzo[g,h,i]perylene	ND	0.021	Benzene	ND	0.093						
SW1								1,2-Dichloroethane (EDC)	ND	0.31						
SW1								Trichloroethene	ND	0.20						
SW1								1,2-Dichloropropane	ND	0.23						
SW1								Dibromomethane	ND	0.50						
SW1								Bromodichloromethane	ND	0.29						
SW1								cis-1,3-Dichloropropene	ND	0.25						
SW1								Toluene	**1.1**	0.31						
SW1								trans-1,3-Dichloropropene	ND	0.45						
SW1								1,1,2-Trichloroethane	ND	0.43						
SW1								Tetrachloroethene	ND	0.22						
SW1								1,3-Dichloropropane	ND	0.21						
SW1								Dibromochloromethane	ND	0.33						
SW1								1,2-Dibromoethane (EDB)	ND	0.20						
SW1								Chlorobenzene	ND	0.32						
SW1								Ethylbenzene	ND	0.20						
SW1								1,1,1,2-Tetrachloroethane	ND	0.48						
SW1								1,1,2,2-Tetrachloroethane	ND	0.32						
SW1								m-Xylene & p-Xylene	ND	0.28						
SW1								o-Xylene	ND	0.16						
SW1								Styrene	ND	0.24						
SW1								Bromoform	ND	0.66						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW1								Isopropylbenzene	ND	0.24						
SW1								Bromobenzene	ND	0.28						
SW1								N-Propylbenzene	ND	0.25						
SW1								1,2,3-Trichloropropane	ND	0.50						
SW1								2-Chlorotoluene	ND	0.36						
SW1								1,3,5-Trimethylbenzene	**0.50**	0.32						
SW1								4-Chlorotoluene	ND	0.26						
SW1								tert-Butylbenzene	ND	0.12						
SW1								1,2,4-Trimethylbenzene	**0.87**	0.31						
SW1								sec-Butylbenzene	ND	0.22						
SW1								1,3-Dichlorobenzene	ND	0.14						
SW1								p-Isopropyltoluene	ND	0.27						
SW1								1,4-Dichlorobenzene	ND	0.28						
SW1								n-Butylbenzene	ND	0.20						
SW1								1,2-Dichlorobenzene	ND	0.23						
SW1								1,2-Dibromo-3-Chloropropane	ND	1.5						
SW1								1,2,4-Trichlorobenzene	ND	0.50						
SW1								1,2,3-Trichlorobenzene	ND	0.33						
SW1								Hexachlorobutadiene	ND	0.21						
SW1								Naphthalene	ND	0.63						
SW1								Methyl tert-butyl ether	ND	0.16						
SW2	8/14/2025	Diesel	**970**	110	Naphthalene	ND	0.053	Dichlorodifluoromethane	ND	0.64	Arsenic	**1.1**	0.19	TOC	**19**	1.2
SW2		Oil	**350**	120	2-Methylnaphthalene	ND	0.044	Chloromethane	ND	0.50	Chromium	**1.7**	0.37			
SW2		Diesel/Oil (Total Dx)	**1320**	120	1-Methylnaphthalene	**0.025**	0.023	Vinyl chloride	ND	0.13	Copper	**1.2**	0.23			
SW2		Gasoline	ND	54	Acenaphthylene	ND	0.016	Bromomethane	ND	0.76	Lead	**0.14**	0.059			
SW2					Acenaphthene	**0.032**	0.022	Chloroethane	ND	0.40						
SW2					Fluorene	ND	0.016	Trichlorofluoromethane	ND	0.20						
SW2					Phenanthrene	ND	0.043	1,1-Dichloroethene	ND	0.20						
SW2					Anthracene	ND	0.025	Methylene Chloride	ND	2.2						
SW2					Fluoranthene	ND	0.043	trans-1,2-Dichloroethene	ND	0.20						
SW2					Pyrene	**0.15**	0.045	1,1-Dichloroethane	ND	0.29						
SW2					Benzo[a]anthracene	ND	0.028	2,2-Dichloropropane	ND	0.66						
SW2					Chrysene	ND	0.018	cis-1,2-Dichloroethene	ND	0.23						
SW2					Benzo[b]fluoranthene	ND	0.025	Bromochloromethane	ND	0.44						
SW2					Benzo[k]fluoranthene	ND	0.026	Chloroform	ND	0.24						
SW2					Benzo[a]pyrene	ND	0.021	1,1,1-Trichloroethane	ND	0.17						
SW2					Indeno[1,2,3-cd]pyrene	ND	0.022	Carbon tetrachloride	ND	0.40						
SW2					Dibenz(a,h)anthracene	ND	0.026	1,1-Dichloropropene	ND	0.50						
SW2					Benzo[g,h,i]perylene	ND	0.021	Benzene	ND	0.093						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW2								1,2-Dichloroethane (EDC)	ND	0.31						
SW2								Trichloroethene	ND	0.20						
SW2								1,2-Dichloropropane	ND	0.23						
SW2								Dibromomethane	ND	0.50						
SW2								Bromodichloromethane	ND	0.29						
SW2								cis-1,3-Dichloropropene	ND	0.25						
SW2								Toluene	**0.46**	0.31						
SW2								trans-1,3-Dichloropropene	ND	0.45						
SW2								1,1,2-Trichloroethane	ND	0.43						
SW2								Tetrachloroethene	ND	0.22						
SW2								1,3-Dichloropropane	ND	0.21						
SW2								Dibromochloromethane	ND	0.33						
SW2								1,2-Dibromoethane (EDB)	ND	0.20						
SW2								Chlorobenzene	ND	0.32						
SW2								Ethylbenzene	ND	0.20						
SW2								1,1,1,2-Tetrachloroethane	ND	0.48						
SW2								1,1,2,2-Tetrachloroethane	ND	0.32						
SW2								m-Xylene & p-Xylene	ND	0.28						
SW2								1,1,2,2-Tetrachloroethane	ND	0.32						
SW2								m-Xylene & p-Xylene	ND	0.28						
SW2								o-Xylene	ND	0.16						
SW2								Styrene	**0.69**	0.24						
SW2								Bromoform	ND	0.66						
SW2								Isopropylbenzene	ND	0.24						
SW2								Bromobenzene	ND	0.28						
SW2								N-Propylbenzene	ND	0.25						
SW2								1,2,3-Trichloropropane	ND	0.50						
SW2								2-Chlorotoluene	ND	0.36						
SW2								1,3,5-Trimethylbenzene	ND	0.32						
SW2								4-Chlorotoluene	ND	0.26						
SW2								tert-Butylbenzene	ND	0.12						
SW2								1,2,4-Trimethylbenzene	ND	0.31						
SW2								sec-Butylbenzene	ND	0.22						
SW2								1,3-Dichlorobenzene	ND	0.14						
SW2								p-Isopropyltoluene	ND	0.27						
SW2								1,4-Dichlorobenzene	ND	0.28						
SW2								n-Butylbenzene	ND	0.20						
SW2								1,2-Dichlorobenzene	ND	0.23						
SW2								1,2-Dibromo-3-Chloropropane	ND	1.5						
SW2								1,2,4-Trichlorobenzene	ND	0.50						
SW2								1,2,3-Trichlorobenzene	ND	0.33						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW2								Hexachlorobutadiene	ND	0.21						
SW2								Naphthalene	ND	0.63						
SW2								Methyl tert-butyl ether	ND	0.16						
SW2 DUP	8/14/2025	Diesel	**1100**	130	Naphthalene	ND	0.052	Dichlorodifluoromethane	ND	0.64	Arsenic	**1.2**	0.19			
SW2 DUP		Oil	**290**	140	2-Methylnaphthalene	ND	0.043	Chloromethane	**1.0**	0.50	Chromium	**0.41**	0.37			
SW2 DUP		Diesel/Oil (Total Dx)	**1390**	140	1-Methylnaphthalene	ND	0.022	Vinyl chloride	ND	0.13	Copper	**1.5**	0.23			
SW2 DUP		Gasoline	**B**	54	Acenaphthylene	ND	0.016	Bromomethane	ND	0.76	Lead	**0.34**	0.059			
SW2 DUP					Acenaphthene	ND	0.022	Chloroethane	ND	0.40						
SW2 DUP					Fluorene	**0.016**	0.016	Trichlorofluoromethane	ND	0.20						
SW2 DUP					Phenanthrene	ND	0.042	1,1-Dichloroethene	ND	0.20						
SW2 DUP					Anthracene	ND	0.024	Methylene Chloride	ND	2.2						
SW2 DUP					Fluoranthene	**0.055**	0.042	trans-1,2-Dichloroethene	ND	0.20						
SW2 DUP					Pyrene	**0.15**	0.044	1,1-Dichloroethane	ND	0.29						
SW2 DUP					Benzo[a]anthracene	ND	0.027	2,2-Dichloropropane	ND	0.66						
SW2 DUP					Chrysene	ND	0.018	cis-1,2-Dichloroethene	ND	0.23						
SW2 DUP					Benzo[b]fluoranthene	ND	0.024	Bromochloromethane	ND	0.44						
SW2 DUP					Benzo[k]fluoranthene	ND	0.025	Chloroform	ND	0.24						
SW2 DUP					Benzo[a]pyrene	ND	0.021	1,1,1-Trichloroethane	ND	0.17						
SW2 DUP					Indeno[1,2,3-cd]pyrene	ND	0.022	Carbon tetrachloride	ND	0.40						
SW2 DUP					Dibenz(a,h)anthracene	ND	0.025	1,1-Dichloropropene	ND	0.50						
SW2 DUP					Benzo[g,h,i]perylene	ND	0.021	Benzene	ND	0.093						
SW2 DUP								1,2-Dichloroethane (EDC)	ND	0.31						
SW2 DUP								Trichloroethene	ND	0.20						
SW2 DUP								1,2-Dichloropropane	ND	0.23						
SW2 DUP								Dibromomethane	ND	0.50						
SW2 DUP								Bromodichloromethane	ND	0.29						
SW2 DUP								cis-1,3-Dichloropropene	ND	0.25						
SW2 DUP								Toluene	**0.44**	0.31						
SW2 DUP								trans-1,3-Dichloropropene	ND	0.45						
SW2 DUP								1,1,2-Trichloroethane	ND	0.43						
SW2 DUP								Tetrachloroethene	ND	0.22						
SW2 DUP								1,3-Dichloropropane	ND	0.21						
SW2 DUP								Dibromochloromethane	ND	0.33						
SW2 DUP								1,2-Dibromoethane (EDB)	ND	0.20						
SW2 DUP								Chlorobenzene	ND	0.32						
SW2 DUP								Ethylbenzene	ND	0.20						
SW2 DUP								1,1,1,2-Tetrachloroethane	ND	0.48						
SW2 DUP								1,1,2,2-Tetrachloroethane	ND	0.32						
SW2 DUP								m-Xylene & p-Xylene	ND	0.28						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW2 DUP								o-Xylene	ND	0.16						
SW2 DUP								Styrene	**0.68**	0.24						
SW2 DUP								Bromoform	ND	0.66						
SW2 DUP								Isopropylbenzene	ND	0.24						
SW2 DUP								Bromobenzene	ND	0.28						
SW2 DUP								N-Propylbenzene	ND	0.25						
SW2 DUP								1,2,3-Trichloropropane	ND	0.50						
SW2 DUP								2-Chlorotoluene	ND	0.36						
SW2 DUP								1,3,5-Trimethylbenzene	ND	0.32						
SW2 DUP								4-Chlorotoluene	ND	0.26						
SW2 DUP								tert-Butylbenzene	ND	0.12						
SW2 DUP								1,2,4-Trimethylbenzene	ND	0.31						
SW2 DUP								sec-Butylbenzene	ND	0.22						
SW2 DUP								1,3-Dichlorobenzene	ND	0.14						
SW2 DUP								p-Isopropyltoluene	ND	0.27						
SW2 DUP								1,4-Dichlorobenzene	ND	0.28						
SW2 DUP								n-Butylbenzene	ND	0.20						
SW2 DUP								1,2-Dichlorobenzene	ND	0.23						
SW2 DUP								1,2-Dibromo-3-Chloropropane	ND	1.5						
SW2 DUP								1,2,4-Trichlorobenzene	ND	0.50						
SW2 DUP								1,2,3-Trichlorobenzene	ND	0.33						
SW2 DUP								Hexachlorobutadiene	ND	0.21						
SW2 DUP								Naphthalene	ND	0.63						
SW2 DUP								Methyl tert-butyl ether	ND	0.16						
SW3	11/13/2025	Diesel	**260**	0.10	Naphthalene	ND	0.050	Dichlorodifluoromethane	ND	0.64	Arsenic	ND	1.0	Total Organic Carbon	**8400**	380
SW3		Oil	**180**	0.11	2-Methylnaphthalene	ND	0.041	Chloromethane	ND	0.50	Chromium	ND	0.87			
SW3		Diesel/Oil (Total Dx)	**440**	0.11	1-Methylnaphthalene	ND	0.022	Vinyl chloride	ND	0.13	Copper	ND	3.0			
SW3		Gasoline	ND	54	Acenaphthylene	ND	0.015	Bromomethane	ND	0.76	Lead	ND	0.20			
SW3					Acenaphthene	ND	0.021	Chloroethane	ND	0.40						
SW3					Fluorene	ND	0.015	Trichlorofluoromethane	ND	0.20						
SW3					Phenanthrene	ND	0.040	1,1-Dichloroethene	ND	0.20						
SW3					Anthracene	ND	0.023	Methylene Chloride	ND	2.2						
SW3					Fluoranthene	ND	0.040	trans-1,2-Dichloroethene	ND	0.20						
SW3					Pyrene	ND	0.042	1,1-Dichloroethane	ND	0.29						
SW3					Benzo[a]anthracene	ND	0.026	2,2-Dichloropropane	ND	0.66						
SW3					Chrysene	ND	0.017	cis-1,2-Dichloroethene	ND	0.23						
SW3					Benzo[b]fluoranthene	ND	0.023	Bromochloromethane	ND	0.44						
SW3					Benzo[k]fluoranthene	ND	0.024	Chloroform	ND	0.24						
SW3					Benzo[a]pyrene	ND	0.020	1,1,1-Trichloroethane	ND	0.17						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW3					Indeno[1,2,3-cd]pyrene	ND	0.021	Carbon tetrachloride	ND	0.40						
SW3					Dibenz(a,h)anthracene	ND	0.024	1,1-Dichloropropene	ND	0.50						
SW3					Benzo[g,h,i]perylene	ND	0.020	Benzene	ND	0.093						
SW3								1,2-Dichloroethane (EDC)	ND	0.31						
SW3								Trichloroethene	ND	0.20						
SW3								1,2-Dichloropropane	ND	0.23						
SW3								Dibromomethane	ND	0.50						
SW3								Bromodichloromethane	ND	0.29						
SW3								cis-1,3-Dichloropropene	ND	0.25						
SW3								Toluene	ND	0.31						
SW3								trans-1,3-Dichloropropene	ND	0.45						
SW3								1,1,2-Trichloroethane	ND	0.43						
SW3								Tetrachloroethene	ND	0.22						
SW3								1,3-Dichloropropane	ND	0.21						
SW3								Dibromochloromethane	ND	0.33						
SW3								1,2-Dibromoethane (EDB)	ND	0.20						
SW3								Chlorobenzene	ND	0.32						
SW3								Ethylbenzene	ND	0.20						
SW3								1,1,1,2-Tetrachloroethane	ND	0.48						
SW3								1,1,2,2-Tetrachloroethane	ND	0.32						
SW3								m-Xylene & p-Xylene	ND	0.28						
SW3								o-Xylene	ND	0.16						
SW3								Styrene	ND	0.24						
SW3								Bromoform	ND	0.66						
SW3								Isopropylbenzene	ND	0.24						
SW3								Bromobenzene	ND	0.28						
SW3								N-Propylbenzene	ND	0.25						
SW3								1,2,3-Trichloropropane	ND	0.50						
SW3								2-Chlorotoluene	ND	0.36						
SW3								1,3,5-Trimethylbenzene	ND	0.32						
SW3								4-Chlorotoluene	ND	0.26						
SW3								tert-Butylbenzene	ND	0.12						
SW3								1,2,4-Trimethylbenzene	ND	0.31						
SW3								sec-Butylbenzene	ND	0.22						
SW3								1,3-Dichlorobenzene	ND	0.14						
SW3								p-Isopropyltoluene	ND	0.27						
SW3								1,4-Dichlorobenzene	ND	0.28						
SW3								n-Butylbenzene	ND	0.20						
SW3								1,2-Dichlorobenzene	ND	0.23						

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TABLE 3a
SURFACE WATER SAMPLE ANALYTICAL DATA

Sample ID	Sample Date	Total Petroleum Hydrocarbons			Polycyclic Aromatic Hydrocarbons (PAHs)			Volatile Organic Compounds (VOCs)			Metals			Total Organic Carbon		
		Analyte	Result (ppb)	MDL [a]	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppb)	MDL	Analyte	Result (ppm)	MDL
SW3								1,2-Dibromo-3-Chloropropane	ND	1.5						
SW3								1,2,4-Trichlorobenzene	ND	0.50						
SW3								1,2,3-Trichlorobenzene	ND	0.33						
SW3								Hexachlorobutadiene	ND	0.21						
SW3								Naphthalene	ND	0.63						
SW3								Methyl tert-butyl ether	ND	0.16						

a Method Detection Limit (MDL)
b Gasoline detections were attributed to overlap from diesel

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TABLE 3b
MAXIMUM CONCENTRATIONS: SURFACE WATER

Analyte	Analytical Method	Maximum Result (ppb)	Minimum Applicable DEQ RBCs (ppb)	
			Terrestrial Ecological Receptors [f]	Aquatic Ecological Receptors [f,g]
Petroleum Hydrocarbons (PHCs)				
Gasoline-Range Organics	NWTPH-Gx	**66** [d]	NA	440
Diesel/Oil (Total Dx)	NWTPH-Dx	**4300** [a]	NA	640
Volatile Organic Compounds (VOCs)				
1,1,1,2-Tetrachloroethane	EPA 8260D	< 0.48	NA	85
1,1,1-Trichloroethane	EPA 8260D	< 0.17	4,400,000	76
1,1,2,2-Tetrachloroethane	EPA 8260D	< 0.32	NA	200
1,1,2-Trichloroethane	EPA 8260D	< 0.43	NA	730
1,1-Dichloroethane	EPA 8260D	< 0.29	1,700,000	410
1,1-Dichloroethene	EPA 8260D	< 0.2	130,000	130
1,1-Dichloropropene	EPA 8260D	< 0.5	NA	570
1,2,3-Trichlorobenzene	EPA 8260D	< 0.33	NA	8
1,2,3-Trichloropropane	EPA 8260D	< 0.5	NA	20
1,2,4-Trichlorobenzene	EPA 8260D	< 0.5	6,600	130
1,2,4-Trimethylbenzene	EPA 8260D	**0.87**	NA	15
1,2-Dibromo-3-Chloropropane	EPA 8260D	< 1.5	NA	0.005
1,2-Dibromoethane (EDB)	EPA 8260D	< 0.2	NA	NA
1,2-Dichlorobenzene	EPA 8260D	< 0.23	NA	23
1,2-Dichloroethane (EDC)	EPA 8260D	< 0.31	19,000	2,000
1,2-Dichloropropane	EPA 8260D	< 0.23	NA	520
1,3,5-Trimethylbenzene	EPA 8260D	**0.5**	NA	26
1,3-Dichlorobenzene	EPA 8260D	< 0.14	NA	22
1,3-Dichloropropane	EPA 8260D	< 0.21	NA	270
1,4-Dichlorobenzene	EPA 8260D	< 0.28	11,000	9
2,2-Dichloropropane	EPA 8260D	< 0.66	NA	46
2-Chlorotoluene	EPA 8260D	< 0.36	NA	460
4-Chlorotoluene	EPA 8260D	< 0.26	NA	140
Benzene	EPA 8260D	< 0.093	110,000	160
Bromobenzene	EPA 8260D	< 0.28	NA	450
Bromochloromethane	EPA 8260D	< 0.44	NA	30
Bromodichloromethane	EPA 8260D	< 0.29	NA	340
Bromoform	EPA 8260D	< 0.66	NA	230
Bromomethane	EPA 8260D	< 0.76	NA	16
Carbon tetrachloride	EPA 8260D	< 0.4	NA	77
Chlorobenzene	EPA 8260D	< 0.32	260,000	25
Chloroethane	EPA 8260D	< 0.4	NA	13000
Chloroform	EPA 8260D	< 0.24	67,000	140
Chloromethane	EPA 8260D	**1.00**	NA	13
cis-1,2-Dichloroethene	EPA 8260D	< 0.23	NA	620
cis-1,3-Dichloropropene	EPA 8260D	< 0.25	NA	1.7
Dibromochloromethane	EPA 8260D	< 0.33	NA	320
Dibromomethane	EPA 8260D	< 0.5	NA	2100
Dichlorodifluoromethane	EPA 8260D	< 0.64	NA	NA
Ethylbenzene	EPA 8260D	< 0.2	NA	61
Hexachlorobutadiene	EPA 8260D	< 0.21	NA	1
Isopropylbenzene	EPA 8260D	< 0.24	NA	4.8
Methyl tert-butyl ether	EPA 8260D	< 0.16	NA	730
Methylene Chloride	EPA 8260D	< 2.2	260,000	1500
Naphthalene	EPA 8260D	< 0.63	57	21
n-Butylbenzene	EPA 8260D	< 0.2	NA	530
N-Propylbenzene	EPA 8260D	< 0.25	NA	160
p-Isopropyltoluene	EPA 8260D	< 0.27	NA	16
sec-Butylbenzene	EPA 8260D	< 0.22	NA	570
Styrene	EPA 8260D	**0.69**	NA	32
tert-Butylbenzene	EPA 8260D	< 0.12	NA	240
Tetrachloroethene	EPA 8260D	< 0.22	8,900	53
Toluene	EPA 8260D	**1.1**	110,000	62
trans-1,2-Dichloroethene	EPA 8260D	< 0.2	NA	560
trans-1,3-Dichloropropene	EPA 8260D	< 0.45	NA	1.7
Trichloroethene	EPA 8260D	< 0.2	440,000	220
Trichlorofluoromethane	EPA 8260D	< 0.2	NA	NA
Total Xylenes	EPA 8260D	< 0.28	9,400	27

TABLE 3b (continued)

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TABLE 3b (Continued)
MAXIMUM CONCENTRATIONS: SURFACE WATER

Analyte	Analytical Method	Maximum Concentration (ppb)	Minimum Applicable DEQ RBCs (ppb)	
			Ecological Receptors [f]	Aquatic Ecological Receptors [f,g]
Vinyl chloride	EPA 8260D	< 0.13	NA	930
Polycyclic Aromatic Hydrocarbons (PAHs)				
Acenaphthene	EPA 8270E-SIM	**0.032**	310,000	15
Acenaphthylene	EPA 8270E-SIM	< 0.016	310,000	13
Anthracene	EPA 8270E-SIM	< 0.025	440,000	0.02
Benzo[a]anthracene	EPA 8270E-SIM	< 0.028	760	4.7
Benzo[a]pyrene	EPA 8270E-SIM	< 0.021	4,400	0.06
Benzo[b]fluoranthene	EPA 8270E-SIM	< 0.025	17,000	2.6
Benzo[g,h,i]perylene	EPA 8270E-SIM	< 0.021	32,000	0.012
Benzo[k]fluoranthene	EPA 8270E-SIM	< 0.026	32,000	0.06
Chrysene	EPA 8270E-SIM	< 0.018	760	4.7
Dibenz(a,h)anthracene	EPA 8270E-SIM	< 0.026 [b]	5,900	0.012
Fluoranthene	EPA 8270E-SIM	**0.55**	56,000	0.8
Fluorene	EPA 8270E-SIM	**0.016**	560,000	19
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	< 0.022	32,000	0.012
Naphthalene	EPA 8270E-SIM	< 0.054	57	21
Phenanthrene	EPA 8270E-SIM	**0.068**	23,000	2.3
Pyrene	EPA 8270E-SIM	**0.37**	33,000	4.6
1-Methylnaphthalene	EPA 8270E-SIM	**0.029**	NA	6.1
2-Methylnaphthalene	EPA 8270E-SIM	< 0.045	71,000	4.7
Total LPAH [e]	EPA 8270E-SIM	LPAH HI = 0.67 [e]	NA	1.0
Total HPAH [e]	EPA 8270E-SIM	HPAH HI = 3.38 [e]	NA	1.0
Total PAH [e]	EPA 8270E-SIM	Total PAH HI = 4.05 [e]	NA	1.0
Total Metals				
Arsenic	6010D	**1.4**	560	150
Chromium	6010D	**1.7**	7,100	24
Copper	6010D	**2.1** [c]	12,000	1.4
Lead	6010D	**0.79**	4,300	0.54

Notes

a Yellow shading indicates the detected concentration exceeds the cleanup level

b Blue shading indicates one-half the method detection limit (detection limit) exceeds the cleanup level

c Green shading indicates the detection is within the anticipated background concentration

d Gasoline detections are attributed to overlap from diesel

e PAH class totals calculated as sum of individual compound concentrations, using ½ MDL for non-detect results. Comparison uses the Hazard Index (HI) approach per DEQ Table 2 footnotes: HI = Σ(Ci / RBCi) for compounds within each class. HI > 1.0 indicates a class-level risk concern. LPAH includes: Naphthalene, Acenaphthylene, Acenaphthene, Fluorene, Phenanthrene, Anthracene, 1-Methylnaphthalene, 2-Methylnaphthalene. HPAH includes: Fluoranthene, Pyrene, Benzo[a]anthracene, Chrysene, Benzo[b]fluoranthene, Benzo[k]fluoranthene, Benzo[a]pyrene, Indeno[1,2,3-cd]pyrene, Dibenz(a,h)anthracene, Benzo[g,h,i]perylene. HI exceedance is driven by near-MDL concentrations of compounds with very low RBCs (Dibenz(a,h)anthracene, Indeno[1,2,3-cd]pyrene, Benzo[g,h,i]perylene: RBC = 0.012 µg/L; Anthracene: RBC = 0.02 µg/L).

f RBC Source Citations (f): Aquatic ecological receptor RBCs for all compounds with a current DEQ Table 2 entry are from Oregon DEQ, Guidance for Conducting Ecological Risk Assessments (September 2020), Attachment C: Risk-Based Concentrations for Water, Table 2 (Freshwater Aquatic Life Chronic). Terrestrial ecological receptor RBCs are from Oregon DEQ, Guidance for Conducting Ecological Risk Assessments (September 2020), Attachment B: Upland Risk-Based Concentrations, Table 1b. See footnote g for compounds without a current DEQ Table 2 aquatic RBC.

g Aquatic ecological receptor RBCs for the following 16 compounds are not listed in the current Oregon DEQ Table 2 and are sourced from U.S. EPA, Regional Screening Levels (RSLs) Summary Table (Surface Water — Aquatic Life), available at: https://www.epa.gov/risk/regional-screening-levels-rsls-generic-tables. These values should be verified against the current EPA RSL table prior to report finalization: 1,1-Dichloropropene (570 µg/L), 1,2,3-Trichloropropane (20 µg/L), 1,2-Dibromo-3-Chloropropane / DBCP (0.005 µg/L), 1,3-Dichloropropane (270 µg/L), 2,2-Dichloropropane (46 µg/L), 2-Chlorotoluene (460 µg/L), 4-Chlorotoluene (140 µg/L), Bromobenzene (450 µg/L), Bromochloromethane (30 µg/L), Chloroethane (13,000 µg/L), Chloromethane (13 µg/L), Dibromomethane (2,100 µg/L), n-Butylbenzene (530 µg/L), N-Propylbenzene (160 µg/L), sec-Butylbenzene (570 µg/L), tert-Butylbenzene (240 µg/L).

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Appendix A

MSBA Field Methods and Procedures

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FIELD METHODS AND PROCEDURES

The following section presents the general methods and procedures that are utilized to complete field activities. These activities include advancing borings and collecting soil and groundwater samples for laboratory analyses. Samples are collected, preserved, and transported for analysis in general accordance with DEQ methodology as presented in OAR 340-122-345 "Sample Collection Methods," and OAR 340-122-218 “Sampling and Analysis.” If not specified by current DEQ regulations, sampling and analytical methods are implemented in general accordance with EPA protocol and/or commonly accepted industry standards for this time and place.

Utility Locating

Utilities, including overhead and underground, are identified and located prior to conducting work at the site. For overhead utilities, a safe minimum working distance is maintained with all sampling equipment dependant on the activity. For drilling or direct push equipment, a minimum 15-20 foot buffer is recommended. For other work such as excavation by backhoe, hand augering, hand probing, etc., a minimum distance is maintained such that the sampling equipment cannot come in contact with the utilities.

Underground utilities are located by contacting Utility Notification Center (UNC) for all underground sampling, excavation, and all other activities performed below the surface. The notification is performed at least 48 hours in advance of the work or as required by local laws and regulations to allow sufficient time for marking of the affected utilities. When warranted, MSBA will arrange on-site meetings with the contracted locators for the utilities to resolve any issues of proximity to the planned work.

In addition to contacting the UNC, MSBA may also perform one or more of the following activities intended to help prevent incidental contact with underground utilities during subsurface activities.

1) **Field Observation**: MSBA observes the site and surroundings for any signs of overhead and/or underground utilities.

2) **Private Utility Locate**: MSBA may contract with private utility locators if warranted to provide additional clarification of potential utilities and their locations.

3) **Hand Clearing**: MSBA may clear up to a maximum of the first five feet of subsurface soil for potential underground utilities by hand digging, hand augering, or air knifing.

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Grab Soil Sampling

Grab soil samples are collected by hand or using a decontaminated shovel or hand trowel directly from surface/shallow soil or the sidewalls/base of a test pit or excavation area up to a depth of 4 feet below surface grade (bsg). At depths deeper than 4 feet bsg, soil samples are collected from an excavator bucket. The excavator bucket may be decontaminated prior to sampling. Just prior to collecting each sample, approximately 3 inches of soil is scraped away from the sampling surface. Soil samples are collected with a minimum amount of disturbance.

Soil samples are placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 milliliter (ml) volatile organic analysis (VOA) EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity.

Drilling Method and Soil Sampling

Subsurface explorations are completed using drilling equipment operated by a licensed drilling subcontractor. The drilling method is selected based on the anticipated subsurface conditions. In general, push-probe or hollow-stem methods are utilized for softer silty soils and sonic or air-rotary methods are utilized for harder, rocky conditions. An MSBA representative oversees and directs the explorations and obtains all soil and groundwater samples.

Soil samples are collected by MSBA and placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 ml VOA EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity. The soil type and other pertinent information is recorded on a field Subsurface Exploration Log.

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Hand Auger Soil Boring and Sampling

Auger borings are advanced by hand. Samples of soil are collected directly from the barrel of the auger at the target depth or as warranted based on observed conditions. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any unusual conditions which may affect the sample integrity.

Soil samples are collected by MSBA and placed into laboratory provided wide-mouth glass jars, leaving as little headspace as possible. Soil samples are also collected in 40 ml VOA EPA method 5035 vials with a preservative. The jar is immediately sealed firmly with a Teflon-lined screw cap. After the samples are properly sealed, they are placed in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until preparation for analysis by the laboratory. Soil samples are analyzed within the laboratory designated hold times.

Disposable latex gloves are worn by the sampler and discarded after each sample. Sampling equipment is thoroughly cleaned and decontaminated between sampling events to help eliminate the potential for cross-contamination between samples. Each sample is clearly labeled with a unique name. A written record is maintained which includes, but is not limited to, the date, time, and location where the sample is collected, and any conditions which may have affected the sample integrity. The soil type and other pertinent information is recorded on a field Subsurface Exploration Log.

Soil Field Screening Methods

Field screening methods consist of visual observations, water sheen screening, and/or headspace vapor screening using a MiniRAE photoionization detector (PID). Visual screening methods include observations of staining, discoloration, and other indicators of petroleum. Water sheen screening involves placing a small amount of soil into water and making observations of any sheens. Water sheen classifications are made as follows:

No Sheen: No visible sheen on the water surface.

Slight Sheen: Faint and dull sheen with no color; dissipates quickly. Naturally occurring organic matter may produce a slight sheen.

Moderate Sheen: May have some color or iridescence; spread of sheen is irregular to flowing; most of water surface covered with sheen.

Heavy Sheen: Obvious color and iridescence; spread is rapid; entire water surface may be covered with sheen.

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Headspace vapor screening is conducted by creating a small hole in the soil core or placing a small portion of soil into a Zip-Loc bag and sealing it shut. The probe of the PID is inserted into the soil core. The soil sample within the bag is allowed to volatilize and the probe of the PID is inserted into the bag. The reported accuracy of a MiniRAE PID is 10% discrepancy at concentrations between 1 and 2,000 ppm and 20% discrepancy at concentrations greater than 2,000 ppm. The PID is calibrated in accordance with the manufacturer recommended procedures prior to each day of use.

Temporary Well Installation

Following completion of the soil borings, temporary wells may be installed to allow for groundwater level monitoring and sample collection. Following completion of the groundwater level monitoring and sampling, the temporary well is abandoned within 72 hours in accordance with the Oregon Water Resources Department standards.

Well Development

Following installation, the temporary wells are developed to remove fines and to enhance the recharge and representative quality of water if sufficient water column and recharge is present. The development is performed using a bailer or pump (peristaltic or submersible). The well may be surged prior to development. Well development continues until the discharge is relatively sediment free. Well development may be discontinued if there is insufficient recharge.

Monitoring Well Elevation Survey

The top of each well casing is surveyed to within plus or minus (+/-) 0.01-foot relative to a common temporary benchmark. A temporary benchmark is designated with an assumed elevation relative to the approximate surface elevation above mean sea level (msl). The surveyed locations are marked on each casing for future reference and measuring. The purpose of the survey is to allow precise correlation of measured groundwater levels between each of the wells at the site. The survey information is recorded on a survey data sheet.

Groundwater Level Monitoring

The depth to groundwater (water level) is measured with an electronic, hand-held, water level indicator. The probe of the indicator is lowered in the well until contact with groundwater completes a circuit causing a buzzer to activate. The depth to water, measured from the surveyed point at the top of the well casing, is read directly from a graduated cord attached to the probe with marked increments of 0.01-foot. The groundwater level data is recorded on a groundwater level data sheet.

DRAFT

If present, free product thickness in a well is measured with an electronic, hand-held oil/water interface probe. The oil/water interface probe is lowered into the well until contact with fluids initiates a signal tone. An intermittent tone indicates water and a continuous tone indicates product. A measuring tape in increments of 0.01-foot is attached to the probe and is used to measure thickness of product in a well.

Groundwater Sampling

Groundwater samples are collected using a bailer, submersible pump, or peristaltic pump with dedicated tubing, under low flow conditions to minimize the loss of volatile components, if present. The groundwater is transferred into laboratory provided containers. Some containers may contain a preservative. The type of container, and whether or not it is preserved, is determined by the type of laboratory analysis to be performed. Groundwater samples collected in VOAs are transferred with minimal agitation and sealed with Teflon-lined septum lids so that no head space is present. Samples collected in VOA vials are submitted for volatile organic compound (VOC) analysis. The vials may contain 2-5 drops of dilute HCL as a preservative increasing the sample hold time from 7 to 14 days. Groundwater samples are collected in preserved or non-preserved amber glass jars for analysis of non-volatile petroleum constituents. Groundwater samples are collected in 250 ml polyethylene bottles for analysis of metals. Samples collected for analysis of dissolved metals are filtered in the field to remove 0.45 micron size particles or immediately upon receipt by the laboratory. Samples collected for analysis of total metals are not filtered. After the samples are properly sealed, they are placed immediately in an ice chest with ice and maintained at a temperature of 4° C (+/- 2° C) until being prepared by the laboratory for analysis.

Chain-of-Custody and Labeling

The Chain-of-Custody (COC) is a form that documents the custody of a sample from the time of origin to the time of disposal or destruction. A COC is initiated in the field at the time the samples are collected. The sampler documents such information as the time, date, type of sample, and requested analyses. Any individual in custody of the samples, including the laboratory, is required to document the transfer of custody (beginning with the sampler) by signing the COC (including date and time of transfer).

Equipment Decontamination

Equipment used to collect soil and groundwater samples such as: bailers, water level indicators, etc., is decontaminated prior to each use. Strict decontamination procedures are utilized to help eliminate the potential for cross-contamination between samples and sample locations.

DRAFT

The decontamination procedure includes a thorough washing in tap water with Liquinox followed by two rinses in tap water and a third and final spray rinse using distilled water. If time permits, the sampling equipment is allowed to air dry. Disposable latex gloves are worn during sampling to help eliminate the potential for cross-contamination by the sampler. The gloves are discarded after each sample event and a new pair is utilized for each subsequent sampling event.

Investigation Derived Waste

Investigation derived waste (IDW) accumulated during the explorations typically consists of soil, groundwater, or decontamination and rinse waters. Soil and water are collected and placed into suitable containers. A label is affixed to each storage container including the date, contents, and contact information. The containers are stored onsite in a secure location pending disposal at an authorized facility. Disposable items such as sampling gloves, paper towels, and plastic sheeting are placed into plastic garbage bags and disposed in a municipal trash receptacle.

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Appendix B

Disposal Documentation

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REMIT TO:
WASCO COUNTY LANDFILL, INC.
A WASTE CONNECTIONS COMPANY
2550 STEELE RD
THE DALLES, OR 97058
541-296-4082

Date	Account Number
09/19/2025	2042-981
Invoice Number	INVOICE TOTAL
28079B042	**$4,049.34**
AMOUNT DUE	PAYMENT DUE
$10,593.21	Upon Receipt

BILL TO:
Lawrence Oil Co.

St Helens, OR 97051

LATE PAYMENT MAY RESULT IN AN INTERRUPTION OF SERVICE. PAST DUE INVOICES MAY BE SUBJECT TO A LATE CHARGE FOR EACH MONTH OR PART THEREOF THAT THE INVOICE IS PAST DUE.

DATE	TICKET	MANIFEST	PO#	TRAILER ID	CONTAINER	TON/YARD	DESCRIPTION	DOLLARS
08/28/2025	27277					1.00	PAYMENT - THANK	-10000.00
09/03/2025	27372					1.00	PAYMENT - THANK	-10000.00
09/09/2025	27433					1.00	PAYMENT - THANK	9491.20
09/09/2025	27434					1.00	PAYMENT - THANK	-9491.20
						Balance Forward:		**$6,543.87**
09/17/2025	582308	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	25.41	PETR CONT SOIL -	1096.95
09/17/2025	582321	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	20.22	PETR CONT SOIL -	872.90
09/17/2025	582431	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	23.73	PETR CONT SOIL -	1024.42
09/17/2025	582436	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	24.44	PETR CONT SOIL -	1055.07
				Total Units	**93.80**	**Invoice Total**		**$4,049.34**

ACH/EDI Payments To:

Waste Connections US Inc

Account #: 7029135758

Routing(ABA) #: 042000314

Advice to: WCNRemit@WasteConnections.com

PO CK #24149 9-23-25

ACCOUNT AGING

0 - 30 Days	31 - 60 Days	61 - 90 Days	Over 90 Days	Total
$10,593.21	$0.00	$0.00	$0.00	$10,593.21

DRAFT

REMIT TO:
WASCO COUNTY LANDFILL, INC.
A WASTE CONNECTIONS COMPANY
2550 STEELE RD
THE DALLES, OR 97058
541-296-4082

Date	Account Number
09/06/2025	2042-981
Invoice Number	INVOICE TOTAL
27965B042	**$6,543.87**
AMOUNT DUE	PAYMENT DUE
$6,543.87	Upon Receipt

BILL TO:
Lawrence Oil Co.

St Helens, OR 97051

LATE PAYMENT MAY RESULT IN AN INTERRUPTION OF SERVICE. PAST DUE INVOICES MAY BE SUBJECT TO A LATE CHARGE FOR EACH MONTH OR PART THEREOF THAT THE INVOICE IS PAST DUE.

DATE	TICKET	MANIFEST	PO#	TRAILER ID	CONTAINER	TON/YARD	DESCRIPTION	DOLLARS
08/28/2025	27277					1.00	PAYMENT - THANK	-10000.00
09/03/2025	27372					1.00	PAYMENT - THANK	-10000.00
						Balance Forward:		**$0.00**
09/02/2025	580128	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	22.04	PETR CONT SOIL -	951.47
09/02/2025	580143	WC-24-278		SIDE DUMP	WILKINS 17-115/	21.93	PETR CONT SOIL -	946.72
09/02/2025	580153	WC-24-278			WILKINS 08-99	28.22	PETR CONT SOIL -	1218.26
09/03/2025	580264	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	21.29	PETR CONT SOIL -	919.09
09/03/2025	580324	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	25.59	PETR CONT SOIL -	1104.72
09/03/2025	580329	WC-24-278			WILKINS 08-99	28.66	PETR CONT SOIL -	1237.25
09/03/2025	580374	WC-24-278		SIDE DUMP	WILKINS 17-115/	26.26	PETR CONT SOIL -	1133.64
09/03/2025	580380	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	25.57	PETR CONT SOIL -	1103.86
09/04/2025	580534	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	23.84	PETR CONT SOIL -	1029.17
09/04/2025	580547	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	25.59	PETR CONT SOIL -	1104.72
09/04/2025	580557	WC-24-278			WILKINS 08-99	25.93	PETR CONT SOIL -	1119.40
09/04/2025	580570	WC-24-278			WILKINS 18-119	26.62	PETR CONT SOIL -	1149.19
09/05/2025	580686	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	23.19	PETR CONT SOIL -	1001.11
09/05/2025	580736	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	23.13	PETR CONT SOIL -	998.52
09/05/2025	580816	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	23.58	PETR CONT SOIL -	1017.95
09/09/2025	27434					1.00	PAYMENT - THANK	-9491.20

Total Units **371.44** **Invoice Total** **$6,543.87**

ACCOUNT AGING

0 - 30 Days	31 - 60 Days	61 - 90 Days	Over 90 Days	Total
$6,543.87	$0.00	$0.00	$0.00	$6,543.87

DRAFT

REMIT TO:
WASCO COUNTY LANDFILL, INC.
A WASTE CONNECTIONS COMPANY
2550 STEELE RD
THE DALLES, OR 97058
541-296-4082

Date	Account Number
08/31/2025	2042-981
Invoice Number	INVOICE TOTAL
27910B042	**$508.80**
AMOUNT DUE	PAYMENT DUE
$508.80	Upon Receipt

BILL TO:
Lawrence Oil Co.

St Helens, OR 97051

LATE PAYMENT MAY RESULT IN AN INTERRUPTION OF SERVICE. PAST DUE INVOICES MAY BE SUBJECT TO A LATE CHARGE FOR EACH MONTH OR PART THEREOF THAT THE INVOICE IS PAST DUE.

DATE	TICKET	MANIFEST	PO#	TRAILER ID	CONTAINER	TON/YARD	DESCRIPTION	DOLLARS
						Balance Forward:		**$0.00**
08/26/2025	579099	WC-24-278			SCAPPOOSE SAND	26.15	PETR CONT SOIL -	1128.90
08/26/2025	579100	WC-24-278			SCAPPOOSE SAND	21.83	PETR CONT SOIL -	942.40
08/26/2025	579101	WC-24-278		SIDEDUMP	SCAPPOOSE SAND	19.43	PETR CONT SOIL -	838.79
08/26/2025	579101	WC-24-278		SIDEDUMP	SCAPPOOSE SAND	1.00	SWA APPLICATION	50.00
08/28/2025	27277					1.00	PAYMENT - THANK	-10000.00
08/28/2025	579534	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	20.12	PETR CONT SOIL -	868.58
08/28/2025	579569	WC-24-278			SCAPPOOSE SAND	26.84	PETR CONT SOIL -	1158.68
08/28/2025	579583	WC-24-278			SCAPPOOSE SAND	31.83	PETR CONT SOIL -	1374.10
08/29/2025	579697	WC-24-278		SIDE DUMP	SCAPPOOSE SAND	21.77	PETR CONT SOIL -	939.81
08/29/2025	579735	WC-24-278			SCAPPOOSE SAND	27.23	PETR CONT SOIL -	1175.52
08/29/2025	579831	WC-24-278		SIDEDUMP	SCAPPOOSE SAND	21.21	PETR CONT SOIL -	915.64
08/29/2025	579856	WC-24-278			SCAPPOOSE SAND	25.86	PETR CONT SOIL -	1116.38

Total Units 243.27 **Invoice Total** $508.80

ACCOUNT AGING

0 - 30 Days	31 - 60 Days	61 - 90 Days	Over 90 Days	Total
$508.80	$0.00	$0.00	$0.00	$508.80

Waste Profile: Lawrence Oil Co - St Helens

DRAFT

Print Generated at 16:26 on 11/25/2024

Status: Approved **Approval Number:** WC-24-278

Approval

Date Approved:	11/07/2024	**Additional Approval Information:**	Approved for cover
Date Expiring:	11/07/2025	**Approved Volume:**	200
Approved By:	Darren Hansen		
Approval Conditions:	-		
Disposal Conditions:	-		

Generator

Company:	Lawrence Oil Co - St Helens
Site:	Lawrence Oil Co - St Helens
Address:	845 N Columbia River Highway, St. Helens OR 97051
Phone:	(503) 397-0076

Waste Origin

Address:	845 N Columbia River Highway, St. Helens OR 97051
County:	Columbia

Landfill

Landfill:	Wasco County
Address:	2550 Steele Road The Dalles OR 97058

Billing

Company:	Lawrence Oil Co - St Helens
Site:	Lawrence Oil Co - St Helens
Address:	845 N Columbia River Highway, St. Helens OR 97051
Phone:	(503) 397-0076

Brokers

Broker 1

Company:	Martin S Burck Associates
Site:	Martin S Burck Associates
Address:	200 N Wasco Ct Hood River OR 97031
Phone:	541 387 4422

Transporters

Transporter Company 1

Company:	Lawrence Oil Co - St Helens
Site:	Lawrence Oil Co - St Helens
Address:	845 N Columbia River Highway, St. Helens OR 97051
Phone:	(503) 397-0076

Shipping details

Event frequency:	On Going	**Quantity per shipment:**	10 Ton
Anticipated number of loads:	20	**Container type:**	Dump Truck
Estimated annual quantity:	200	**Container type description:**	
Unit of measure:	Tons	**Container size:**	
Shipping frequency:	Daily		

Signature

I hereby certify that all information contained herein is true and correct, and the material described is properly identified, classified, packaged, labeled, and prepared as indicated. I certify that this waste is either (i) not hazardous or dangerous as defined by the U.S. EPA, or the state or province of origin; or (ii) (and applicable to TX only) hazardous, special or industrial waste (including friable asbestos) that meets the classification of Class II waste. I certify that this waste does not contain any regulated radioactive materials and does not contain PCB's regulated by TSCA or any other regulatory authority. I certify that all known and suspected hazards have been disclosed. I certify that all samples used for this analysis are representative of the materials described herein. I understand that all wastes may undergo inspection upon arrival at the designated facility and may be refused if the delivered material does not conform to the description herein. Notification will be provided immediately if there is a change in the composition of, or process generating this waste stream, prior to offering the waste for shipment or management.

Print Name:	Jon White	**Certification signature:**	Jonathan White
Certified at:	11/05/2024		
Title:	Project Manager		
Certified Company:	Martin S Burck Associates		

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/28/2024	469232

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W
845 N Columbia Rive Hwy
Saint Helens OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/27/2024	10/24/2024	R1241024009	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1	65.00	65.00
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (oil ...	For recycling, Flash Point > 200 F. pH: HCDT/CDT test:	Gal	900	0.75	675.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	100	2.25	225.00

Total $995.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$995.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/28/2024	469257

Bill To	Ship To
Lawrence Oil Company PO Box 449 St Helens, OR 97051	C & W 845 N Columbia Rive Hwy Saint Helens OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/27/2024	10/25/2024	R1241025010	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1	65.00	65.00
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	700	0.75	525.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	500	2.25	1,125.00

Total	$1,745.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,745.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717

Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/29/2024	469301

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

Lawrence Oil Company
845 Columbia Blvd
St Helens, OR 97051-1917

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/28/2024	10/28/2024	R1241028005	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	4,100	0.75	3,075.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	400	2.25	900.00

Total $4,005.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits $0.00

Balance Due $4,005.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/29/2024	469304

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

Lawrence Oil Company
845 Columbia River Hwy
St Helens, OR 97051-1917

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/28/2024	10/28/2024	R1241028009	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1	65.00	65.00
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	500	0.75	375.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	200	2.25	450.00

Total $920.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits $0.00

Balance Due $920.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/29/2024	469306

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/28/2024	10/28/2024	R1241028011	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1	65.00	65.00
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	950	0.75	712.50
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	50	2.25	112.50

Total $920.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits $0.00

Balance Due $920.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/30/2024	469334

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/29/2024	10/29/2024	R1241029003	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,500	0.75	1,125.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	200	2.25	450.00

Total $1,605.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,605.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
10/30/2024	469337

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	11/29/2024	10/29/2024	R1241029009	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,500	0.75	1,125.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	200	2.25	450.00

Total $1,605.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,605.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/2/2024	469399

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/2/2024	10/30/2024	R1241030010	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,600	0.75	1,200.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	100	2.25	225.00

Total $1,455.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits $0.00

Balance Due $1,455.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

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Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/2/2024	469409

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/2/2024	10/31/2024	R1241031002	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,600	0.75	1,200.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	100	2.25	225.00

Total $1,455.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,455.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

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Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/2/2024	469414

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/2/2024	10/31/2024	R1241031008	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,400	0.75	1,050.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	300	2.25	675.00

Total $1,755.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,755.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

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Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/5/2024	469451

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/5/2024	11/1/2024	r1241101002	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (oil ...	For recycling, Flash Point > 200 F. pH: HCDT/CDT test:	Gal	1,500	0.75	1,125.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	200	2.25	450.00

Total $1,605.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,605.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

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Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/5/2024	469460

Bill To

Lawrence Oil Company
PO Box 449
St Helens, OR 97051

Ship To

C & W Excavation
845 Columbia River Hwy
St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/5/2024	11/1/2024	R1241101007	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (fue...	For recycling, CDT test:	Gal	1,550	0.75	1,162.50
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	150	2.25	337.50

Total $1,530.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits $0.00

Balance Due $1,530.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717
Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

DRAFT

Invoice

Oil Re-Refining Company, Inc.

Date	Invoice #
11/5/2024	469465

Bill To	Ship To
Lawrence Oil Company PO Box 449 St Helens, OR 97051	C & W Excavation 845 Columbia River Hwy St Helens, OR 97051

Resell Expires	

Option	P.O. Number	Terms	Due Date	Ship Date	Bill of Lading	Account #
Email		30 Days Net	12/5/2024	11/1/2024	R1241101013	3133

Item Code	Description	U/M	Quantity	Price Each	Amount
Truck Wash Out	Truck Wash Out	Ea	1	65.00	65.00
XRF Analysis T...	XRF Analysis Testing In House	Ea	1	30.00	30.00
Wastewater (oil ...	For recycling, Flash Point > 200 F. pH: HCDT/CDT test:	Gal	1,400	0.75	1,050.00
Oily Solids (gall...	For recycling, Flash Point > 200 F. CDT test:	Gal	200	2.25	450.00

Total $1,595.00

Phone #	Fax #	E-mail
503-286-8352	503-286-5027	ar@orrcorecycles.com

Payments/Credits	$0.00
Balance Due	$1,595.00

We accept all major credit cards.

Remit payment to: 4150 N Suttle Rd. Portland, OR 97217-7717

Unpaid invoices past 30 days will incure a 1.5% per month finance charge.

INVOICE NO.
25-001

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DATE
1/31/2025

Columbia Septic Services

355 N 6TH STREET
St. Helens, OR 97051

SERVICES FOR:

DAVE LAWRENCE
LAWRENCE OIL
845 N COLUMBIA RIVER HWY ST. HELENS 97051
503-397-0076

BILL TO:

SAME

SERVICE DATE	DESCRIPTION	GAL	UNIT PRICE	TOTAL
1/25/2025	REMOVE STORM WATER FROM TEMP TANK	8200	0.25	2050.00
1/27/25	REMOVE STORM WATER FROM TEMP TANK	3250	0.25	812.50
1/28/25	REMOVE STORM WATER FROM TEMP TANK	1600	0.25	400.00
1/29/25	REMOVE STORM WATER FROM TEMP TANK	3400	0.25	850.00
1/31/25	REMOVE STORM WATER FROM TEMP TANK	3550	0.25	887.50
				0.00
				0.00
				0.00
				0.00
				0.00
				0.00

Remarks / Payment Instructions:

Please make check payable to Columbia Septic Services

SUBTOTAL	5000.00
DISCOUNT	
SUBTOTAL LESS DISCOUNT	5000.00
TAX RATE	0.00%
TOTAL TAX	0.00
Balance Due	**$ 5,000.00**

Check # 23873 2/12/25

Payment Due 7 Days From Invoice Date

We are grateful for your business and look forward to serving you in the future

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Appendix C

Data Quality Objectives

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1.0 DATA QUALITY OBJECTIVES

Data quality objectives for the proposed groundwater investigation have been developed in accordance with the EPA seven-step DQO process (EPA QA/G-4, 2006) and are consistent with the Oregon DEQ Quality Assurance Policy for the Environmental Cleanup Programs (DEQ10-LQ-0063-QAG, Version 4.0, 2015) and MSBA's Quality Management Program (MSBA-QMP-001, Version 1.0, 2026). The DQOs are summarized in the table below and described in the following narrative.

DQO Step	Description
Step 1: State the Problem	A release of diesel from a leaking product line at the Lawrence Oil Company Bulk Plant has impacted soil and an adjacent compensatory wetland. The primary COPCs identified in soil include diesel, oil, 1,2,4-trimethylbenzene, ethylbenzene, and naphthalene. Groundwater conditions beneath and downgradient of the south parking area (SPA) have not yet been characterized. DEQ has identified a potential concern that contaminants may be migrating via groundwater to the highway drainage ditch east of the site. Additional planned site assessment activities include soil, sediment, surface water, and seep sampling in the adjacent wetland area to characterize the nature and extent of contamination across all media.
Step 2: Identify Goals	Determine whether petroleum hydrocarbons, related VOCs, and red dye constituents are present in groundwater at the site. Evaluate groundwater flow direction, gradient, and quality to assess whether contaminant transport to the highway ditch is occurring. Support future risk evaluation and remedy selection.
Step 3: Identify Inputs	Groundwater elevation measurements from MW-1, MW-2, and MW-3 (surveyed to allow accurate flow direction determination). Groundwater analytical results for the analyte list presented in Section 2.0. Existing soil, sediment, and surface water data from the August–November 2025 Site Investigation Report. Boring logs and soil PID screening data from well installation.
Step 4: Define Boundaries	Spatial: The area between the SPA and the highway ditch to the east/southeast, encompassing proposed monitoring well locations MW-1, MW-2, and MW-3 as shown on Figures 3 and 4 of the Draft Site Investigation Report. Temporal: Initial sampling event following well installation and development; results will inform the need for subsequent monitoring.
Step 5: Develop Decision Rules	If petroleum hydrocarbons or related constituents are detected in groundwater above applicable DEQ Risk-Based Concentrations (RBCs) for groundwater, then additional assessment, monitoring, or remedial evaluation will be conducted. If groundwater flow direction indicates transport toward the highway ditch, then additional monitoring points or mitigation measures will be evaluated.
Step 6: Specify Acceptance Criteria	Analytical data will be Level III quality (EPA-approved methods, standard QA/QC documentation). Laboratory reporting limits will not exceed one-tenth of applicable DEQ RBCs where technically achievable. Field duplicate RPDs will target ≤30% for analytes above 5x the reporting limit. Equipment blank results will be below reporting limits for target analytes. Trip blanks will be non-detect for VOCs. All data will be reviewed against the criteria in MSBA's Quality Management Program (MSBA-QMP-001). These acceptance criteria apply to all planned sampling media (groundwater, soil, sediment, and surface water). Media-specific laboratory detection objectives are presented in Sections 5 through 7.
Step 7: Develop Sampling Plan	Install monitoring wells MW-1, MW-2, and MW-3 at the locations shown on Figures 3 and 4. Screen soil with a PID during drilling and log all soil encountered. Construct well screens above the groundwater level per DEQ direction. Survey casing elevations to a common datum. Develop the wells, allow equilibration, then sample for the COPC list in Section 2.0. A detailed well installation and sampling work plan will be submitted separately.

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1.1 Analytical Data Quality Level

All groundwater samples will be analyzed using Level III analytical methods (EPA-approved standard methods with rigorous QA/QC protocols and documentation). This level of data quality is appropriate for site characterization, risk evaluation, and regulatory decision-making. Analytical methods, reporting limits, and QA/QC requirements are summarized in the COPC list in Section 2.0 and will be specified in detail in the monitoring well work plan.

1.2 Laboratory

Groundwater samples will be submitted to Eurofins TestAmerica, located in Spokane, Washington. MSBA will confirm that Eurofins TestAmerica holds current accreditation under the Oregon DEQ Environmental Laboratory Accreditation Program (ELAP) for the methods listed in Section 2.0 prior to sampling. Method availability and reporting limits for all listed analytes will be confirmed with the laboratory before finalizing the sampling plan.

2.0 CONSTITUENTS OF POTENTIAL CONCERN LIST FOR GROUNDWATER SAMPLING

The following list has been developed based on the site's release history (diesel/oil from a leaking product line), the Constituents of Potential Concern (COPCs) identified in the Draft Site Investigation Report, DEQ's directive to include gasoline-range organics, and DEQ's request to evaluate potential COPCs associated with red fuel dye. This COPC list is submitted for DEQ approval prior to groundwater sampling, per Condition 2.

2.1 Proposed Analytical Program

Analyte / Analyte Group	Method	Matrix	Container / Preservation	Max Hold Time	Applicable GW Screening Level
Gasoline-Range Organics (GRO)	NWTPH-Gx	Water	40 mL VOA vials; HCl to pH<2; cool to 4°C; no headspace	14 days	DEQ RBC: 800 µg/L (occupational); 1,000 µg/L (residential GW)
Diesel-Range Organics (DRO) – without silica gel cleanup	NWTPH-Dx	Water	500 mL amber glass; cool to 4°C	7 days to extraction; 40 days after	DEQ RBC: 500 µg/L (residential GW)

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Diesel-Range Organics (DRO) – with silica gel cleanup (WA DOE NWTPH-Dx; no H_2SO_4)	NWTPH-Dx	Water	500 mL amber glass; cool to 4°C	7 days to extraction; 40 days after	DEQ RBC: 500 µg/L (residential GW)
Oil-Range Organics – without silica gel cleanup	NWTPH-Dx	Water	500 mL amber glass; cool to 4°C	7 days to extraction; 40 days after	DEQ RBC: 500 µg/L (residential GW)
Oil-Range Organics – with silica gel cleanup (WA DOE NWTPH-Dx; no H_2SO_4)	NWTPH-Dx	Water	500 mL amber glass; cool to 4°C	7 days to extraction; 40 days after	DEQ RBC: 500 µg/L (residential GW)
VOCs including BTEX, Naphthalene, 1,2,4-TMB	EPA 8260D	Water	40 mL VOA vials; HCl to pH<2; cool to 4°C; no headspace	14 days	See individual RBCs below
PAHs (full list)	EPA 8270E-SIM	Water	1 L amber glass; cool to 4°C	7 days to extraction; 40 days after	See individual RBCs below

Notes:
DEQ RBCs listed are from the most recent DEQ Risk-Based Decision Making (RBDM) table. MSBA will verify current RBC values prior to data evaluation. Hold times and containers will be confirmed with Eurofins TestAmerica before sampling.

2.2 Key VOC Analytes and Applicable Screening Levels

The following table presents the primary VOC analytes of interest within the 8260D target list, based on the COPCs retained in the Draft Site Investigation Report. The full 8260D target list will be reported; the analytes below represent the primary constituents for screening-level comparison.

VOC Analyte	CAS Number	DEQ GW RBC (µg/L)
Benzene	71-43-2	0.22 (residential)
Toluene	108-88-3	380 (residential)
Ethylbenzene	100-41-4	2.1 (residential)
Total Xylenes	1330-20-7	190 (residential)
Naphthalene	91-20-3	17 (residential)
1,2,4-Trimethylbenzene	95-63-6	12 (residential)

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Methyl tert-butyl ether (MTBE)	1634-04-4	13 (residential)

Note: RBC values are approximate and will be verified against the current DEQ RBDM table prior to data evaluation. Laboratory reporting limits will target one-tenth of the applicable RBC where analytically achievable. However, for analytes with very low RBCs (e.g., vinyl chloride, benzene, 1,2-dichloroethane, 1,2-dibromoethane), standard laboratory reporting limits may exceed one-tenth of the RBC or, in some cases, the RBC itself. Data usability for such analytes will be assessed during data evaluation; non-detects reported at or below the RBC remain usable for decision-making.

2.3 Red Dye Constituents of Concern – Rationale

Off-road diesel fuel in the United States is required by EPA and IRS regulations to be dyed red to distinguish it from on-road taxable diesel. The standard dye is Solvent Red 164 (C.I. 26120), measured against a Solvent Red 26 reference standard. Both are azo dyes with the general structure of 1-[[4-(phenylazo)phenyl]azo]-2-naphthol. As a bulk petroleum storage and distribution facility, Lawrence Oil Company handles dyed diesel products, and the October 2024 release appears to have included dyed fuel.

Commercial red dye concentrates, including the product identified at the Lawrence Oil facility (Unisol® Liquid Red BK-50, per the product Safety Data Sheet), consist primarily of petroleum hydrocarbon carrier solvents, including xylene, ethylbenzene, kerosene, and aromatic solvent naphtha. The parent dye molecules (Solvent Red 26/164) are oil-soluble and effectively insoluble in water; they are therefore unlikely to partition into a dissolved groundwater phase, though they may be present in association with non-aqueous phase liquid (NAPL) if free product is encountered.

The volatile and semi-volatile hydrocarbon components of the red dye concentrate — including BTEX constituents, naphthalene, and other petroleum-range hydrocarbons — are captured by the standard analytical suite already included in the COPC list: NWTPH-Gx (gasoline-range), NWTPH-Dx (diesel/oil-range), EPA 8260D (VOCs), and EPA 8270E-SIM (PAHs). No additional analytes beyond this standard suite are required to characterize potential impacts from the red dye additive.

3.0 QUALITY CONTROL SAMPLES

The following QA/QC samples will be collected in accordance with the DEQ Quality Assurance Policy (DEQ10-LQ-0063-QAG) and MSBA's Quality Management Program:

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- Trip Blanks: One trip blank per cooler containing VOC samples, analyzed for VOCs by EPA 8260D.
- Equipment Blanks: One equipment blank per sampling event, analyzed for the full COPC list. Prepared by pumping distilled/deionized water through the decontaminated sampling apparatus.
- Field Duplicates: One field duplicate per sampling event (or 5% of samples, whichever is greater), analyzed for the full COPC list.
- Matrix Spike / Matrix Spike Duplicate (MS/MSD): One set per batch, per matrix, per analytical method, as coordinated with the laboratory.

Laboratory QC (method blanks, laboratory control samples, surrogate spikes, and calibration verification) will be performed by Eurofins TestAmerica in accordance with the applicable analytical methods and the laboratory's quality assurance program.

4.0 REFERENCES

EPA, 2006. Guidance on Systematic Planning Using the Data Quality Objectives Process (EPA QA/G-4). EPA/240/B-06/001.

Oregon DEQ, 2015. Quality Assurance Policy for the Environmental Cleanup Programs. DEQ10-LQ-0063-QAG, Version 4.0.

Oregon DEQ, 2023. Risk-Based Decision Making for the Remediation of Contaminated Sites (RBDM), updated RBC table.

MSBA, 2026. Quality Management Program. MSBA-QMP-001, Version 1.0. March 16, 2026.

MSBA, 2025. Draft August–November 2025 Site Investigation Report, Lawrence Oil Company Bulk Plant, St. Helens, Oregon. December 19, 2025.

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5.0 LABORATORY DETECTION OBJECTIVES – SOIL

Laboratory detection objectives for proposed soil sampling are presented below. These objectives are consistent with the analytical program applied during the August–November 2025 Site Investigation. Laboratory method detection limits (MDLs) are from Eurofins TestAmerica (Spokane, WA). RBC values are provided for reference; see notes below regarding currency of ecological values. Note that for analytes with very low ecological RBCs (e.g., benzo[a]pyrene at 0.11 ppm as part of Total HPAHs, mercury at 0.00035 ppm), standard laboratory reporting limits may exceed the applicable RBC. Such analytes will be flagged during data evaluation and assessed for data usability on a case-by-case basis.

Analyte	Analytical Method	CAS Registry No.	Lab MDL (ppm)	Min. DEQ RBC Human Health (ppm)	Min. DEQ RBC Ecological (ppm)
Petroleum Hydrocarbons (PHCs)					
Gasoline-Range Organics	NWTPH-Gx	-	2.8	31	120
Diesel-Range Organics	NWTPH-Dx	-	5	1,100	260
Oil-Range Organics	NWTPH-Dx	-	5.9	1,100	260
Volatile Organic Compounds (VOCs) – EPA 8260D					
1,1,1,2-Tetrachloroethane	EPA 8260D	630-20-6	0.030	NA	NA
1,1,1-Trichloroethane	EPA 8260D	71-55-6	0.027	190	260
1,1,2,2-Tetrachloroethane	EPA 8260D	79-34-5	0.045	NA	NA
1,1,2-Trichloroethane	EPA 8260D	79-00-5	0.055	0.0063	NA
1,1-Dichloroethane	EPA 8260D	75-34-3	0.041	0.044	210
1,1-Dichloroethene	EPA 8260D	75-35-4	0.053	6.7	11
1,1-Dichloropropene	EPA 8260D	563-58-6	0.027	NA	NA
1,2,3-Trichlorobenzene	EPA 8260D	87-61-6	0.052	NA	NA
1,2,3-Trichloropropane	EPA 8260D	96-18-4	0.057	NA	NA
1,2,4-Trichlorobenzene	EPA 8260D	120-82-1	0.052	NA	NA
1,2,4-Trimethylbenzene	EPA 8260D	95-63-6	0.036	10	NA
1,2-Dibromo-3-Chloropropane	EPA 8260D	96-12-8	0.093	NA	NA
1,2-Dibromoethane (EDB)	EPA 8260D	106-93-4	0.052	0.00012	NA
1,2-Dichlorobenzene	EPA 8260D	95-50-1	0.036	36	0.92
1,2-Dichloroethane (EDC)	EPA 8260D	107-06-2	0.034	0.0028	0.85
1,2-Dichloropropane	EPA 8260D	78-87-5	0.047	NA	NA
1,3,5-Trimethylbenzene	EPA 8260D	108-67-8	0.049	11	NA
1,3-Dichlorobenzene	EPA 8260D	541-73-1	0.019	NA	0.74
1,3-Dichloropropane	EPA 8260D	142-28-9	0.046	NA	NA
1,4-Dichlorobenzene	EPA 8260D	106-46-7	0.032	0.057	0.89
2,2-Dichloropropane	EPA 8260D	594-20-7	0.038	NA	NA
2-Chlorotoluene	EPA 8260D	95-49-8	0.025	NA	NA
4-Chlorotoluene	EPA 8260D	106-43-4	0.036	NA	NA
Benzene	EPA 8260D	71-43-2	0.015	0.023	24
Bromobenzene	EPA 8260D	108-86-1	0.034	NA	NA

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Bromochloromethane	EPA 8260D	74-97-5	0.062	NA	NA
Bromodichloromethane	EPA 8260D	75-27-4	0.096	NA	NA
Bromoform	EPA 8260D	75-25-2	0.030	0.20	NA
Bromomethane	EPA 8260D	74-83-9	0.051	0.083	NA
Carbon tetrachloride	EPA 8260D	56-23-5	0.017	0.013	2
Chlorobenzene	EPA 8260D	108-90-7	0.032	5.8	2.4
Chloroethane	EPA 8260D	75-00-3	0.087	310	NA
Chloroform	EPA 8260D	67-66-3	0.036	0.0034	8
Chloromethane	EPA 8260D	74-87-3	0.064	2.2	NA
cis-1,2-Dichloroethene	EPA 8260D	156-59-2	0.032	0.63	NA
cis-1,3-Dichloropropene	EPA 8260D	10061-01-5	0.032	NA	NA
Dibromochloromethane	EPA 8260D	124-48-1	0.025	NA	NA
Dibromomethane	EPA 8260D	74-95-3	0.034	NA	NA
Dichlorodifluoromethane	EPA 8260D	75-71-8	0.043	NA	NA
Ethylbenzene	EPA 8260D	100-41-4	0.025	0.22	NA
Hexachlorobutadiene	EPA 8260D	87-68-3	0.025	NA	NA
Isopropylbenzene	EPA 8260D	98-82-8	0.048	96	NA
Methyl tert-butyl ether (MTBE)	EPA 8260D	1634-04-4	0.046	0.11	NA
Methylene Chloride	EPA 8260D	75-09-2	0.310	0.14	2.6
Naphthalene	EPA 8260D	91-20-3	0.043	0.077	1
n-Butylbenzene	EPA 8260D	104-51-8	0.043	NA	NA
N-Propylbenzene	EPA 8260D	103-65-1	0.041	NA	NA
p-Isopropyltoluene	EPA 8260D	99-87-6	0.032	NA	NA
sec-Butylbenzene	EPA 8260D	135-98-8	0.029	NA	NA
Styrene	EPA 8260D	100-42-5	0.036	170	1.2
tert-Butylbenzene	EPA 8260D	98-06-6	0.030	NA	NA
Tetrachloroethene	EPA 8260D	127-18-4	0.027	0.46	0.18
Toluene	EPA 8260D	108-88-3	0.070	84	23
trans-1,2-Dichloroethene	EPA 8260D	156-60-5	0.035	7	NA
trans-1,3-Dichloropropene	EPA 8260D	10061-02-6	0.041	NA	NA
Trichloroethene	EPA 8260D	79-01-6	0.012	0.013	42
Trichlorofluoromethane	EPA 8260D	75-69-4	0.051	61	52
Total Xylenes	EPA 8260D	1330-20-7	0.080	23	1.4
Vinyl chloride	EPA 8260D	75-01-4	0.031	0.00057	0.12
Polynuclear Aromatic Hydrocarbons (PAHs) – EPA 8270E-SIM					
Acenaphthene	EPA 8270E-SIM	83-32-9	0.0029	4,700	0.25
Acenaphthylene	EPA 8270E-SIM	208-96-8	0.0038	NA	See Total LPAHs
Anthracene	EPA 8270E-SIM	120-12-7	0.0023	23,000	6.8
Benzo[a]anthracene	EPA 8270E-SIM	56-55-3	0.0025	1.1	18
Benzo[a]pyrene	EPA 8270E-SIM	50-32-8	0.0049	0.11	See Total HPAHs
Benzo[b]fluoranthene	EPA 8270E-SIM	205-99-2	0.0040	1.1	18

DRAFT

Benzo[g,h,i]perylene	EPA 8270E-SIM	191-24-2	0.0027	NA	See Total HPAHs
Benzo[k]fluoranthene	EPA 8270E-SIM	207-08-9	0.0029	11	See Total HPAHs
Chrysene	EPA 8270E-SIM	218-01-9	0.0018	110	See Total HPAHs
Dibenz(a,h)anthracene	EPA 8270E-SIM	53-70-3	0.0033	0.11	See Total HPAHs
Fluoranthene	EPA 8270E-SIM	206-44-0	0.0029	2,400	See Total HPAHs
Fluorene	EPA 8270E-SIM	86-73-7	0.0025	3,100	See Total LPAHs
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	193-39-5	0.0034	1.1	See Total HPAHs
Naphthalene	EPA 8270E-SIM	91-20-3	0.0025	0.077	1
Phenanthrene	EPA 8270E-SIM	85-01-8	0.0042	NA	See Total LPAHs
Pyrene	EPA 8270E-SIM	129-00-0	0.0044	1,800	See Total HPAHs
1-Methylnaphthalene	EPA 8270E-SIM	90-12-0	0.0026	NA	See Total LPAHs
2-Methylnaphthalene	EPA 8270E-SIM	91-57-6	0.0036	1,800	See Total LPAHs
Metals					
Arsenic	EPA 6010D	7440-38-2	0.5	0.43	6.8
Chromium (total)	EPA 6010D	7440-47-3	0.18	20,000	23
Copper	EPA 6010D	7440-50-8	0.761	3,100	14
Lead	EPA 6010D	7439-92-1	1.5	30 (L)	11

Notes: (a) Chemical Abstracts Services (CAS). (b) Eurofins TestAmerica laboratory reporting limit, assuming dilution is not required. (c) Parts per million (ppm). (d) Parts per billion (ppb). (e) Human health RBCs are from OR DEQ Risk-Based Decision Making (RBDM) guidance (Residential/Urban scenario, Revised August 2023); ecological RBCs are from OR DEQ Table 1a – Ecological Risk-Based Concentrations for Soil (https://www.oregon.gov/deq/Hazards-and-Cleanup/Documents/cleanupTable1a1bEcoRBCs.xlsx). "See Total LPAHs" = compare calculated sum of 2–3 ring PAHs to OR DEQ Table 1a ecological RBC of 13 ppm; "See Total HPAHs" = compare calculated sum of 4+ ring PAHs to OR DEQ Table 1a ecological RBC of 0.11 ppm. NA = Not Available. (L) = Lead value per DEQ RBDM guidance.

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6.0 LABORATORY DETECTION OBJECTIVES – SEDIMENT

Laboratory detection objectives for proposed sediment sampling are presented below. The same analytical methods and MDLs as the soil program apply. Sediment screening levels follow the hierarchy established by DEQ: freshwater sediment RBCs from DEQ ERA Table 3; marine RBCs as surrogates where no freshwater RBC exists; and WA DOE SCUM SQVs secondarily. For several analytes — particularly lower-molecular-weight PAHs with freshwater sediment RBCs in the low-ppb range — standard laboratory reporting limits may exceed the applicable screening level. These analytes will be flagged and assessed for data usability during evaluation.

Analyte	Analytical Method	CAS Registry No.	Lab MDL (ppm)	Applicable Sediment Screening Level (ppm)	Notes
Petroleum Hydrocarbons (PHCs)					
Gasoline-Range Organics	NWTPH-Gx	-	2.8	NA	
Diesel/Oil-Range Organics	NWTPH-Dx	-	5 / 5.9	340 (a)	WA DOE SCUM SQV (NW-TPH-Dx)
Volatile Organic Compounds (VOCs) – EPA 8260D					
1,1,1,2-Tetrachloroethane	EPA 8260D	630-20-6	0.030	NA	
1,1,1-Trichloroethane	EPA 8260D	71-55-6	0.027	NA	
1,1,2,2-Tetrachloroethane	EPA 8260D	79-34-5	0.045	NA	
1,1,2-Trichloroethane	EPA 8260D	79-00-5	0.055	NA	
1,1-Dichloroethane	EPA 8260D	75-34-3	0.041	NA	
1,1-Dichloroethene	EPA 8260D	75-35-4	0.053	NA	
1,1-Dichloropropene	EPA 8260D	563-58-6	0.027	NA	
1,2,3-Trichlorobenzene	EPA 8260D	87-61-6	0.052	NA	
1,2,3-Trichloropropane	EPA 8260D	96-18-4	0.057	NA	
1,2,4-Trichlorobenzene	EPA 8260D	120-82-1	0.052	NA	
1,2,4-Trimethylbenzene	EPA 8260D	95-63-6	0.036	NA	
1,2-Dibromo-3-Chloropropane	EPA 8260D	96-12-8	0.093	NA	
1,2-Dibromoethane (EDB)	EPA 8260D	106-93-4	0.052	NA	
1,2-Dichlorobenzene	EPA 8260D	95-50-1	0.036	0.013 (c, d)	Marine surrogate (DEQ Table 3)
1,2-Dichloroethane (EDC)	EPA 8260D	107-06-2	0.034	NA	
1,2-Dichloropropane	EPA 8260D	78-87-5	0.047	NA	
1,3,5-Trimethylbenzene	EPA 8260D	108-67-8	0.049	NA	
1,3-Dichlorobenzene	EPA 8260D	541-73-1	0.019	NA	
1,3-Dichloropropane	EPA 8260D	142-28-9	0.046	NA	
1,4-Dichlorobenzene	EPA 8260D	106-46-7	0.032	0.110 (c, d)	Marine surrogate (DEQ Table 3)

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2,2-Dichloropropane	EPA 8260D	594-20-7	0.038	NA	
2-Chlorotoluene	EPA 8260D	95-49-8	0.025	NA	
4-Chlorotoluene	EPA 8260D	106-43-4	0.036	NA	
Benzene	EPA 8260D	71-43-2	0.015	NA	
Bromobenzene	EPA 8260D	108-86-1	0.034	NA	
Bromochloromethane	EPA 8260D	74-97-5	0.062	NA	
Bromodichloromethane	EPA 8260D	75-27-4	0.096	NA	
Bromoform	EPA 8260D	75-25-2	0.030	NA	
Bromomethane	EPA 8260D	74-83-9	0.051	NA	
Carbon tetrachloride	EPA 8260D	56-23-5	0.017	NA	
Chlorobenzene	EPA 8260D	108-90-7	0.032	NA	
Chloroethane	EPA 8260D	75-00-3	0.087	NA	
Chloroform	EPA 8260D	67-66-3	0.036	NA	
Chloromethane	EPA 8260D	74-87-3	0.064	NA	
cis-1,2-Dichloroethene	EPA 8260D	156-59-2	0.032	NA	
cis-1,3-Dichloropropene	EPA 8260D	10061-01-5	0.032	NA	
Dibromochloromethane	EPA 8260D	124-48-1	0.025	NA	
Dibromomethane	EPA 8260D	74-95-3	0.034	NA	
Dichlorodifluoromethane	EPA 8260D	75-71-8	0.043	NA	
Ethylbenzene	EPA 8260D	100-41-4	0.025	0.004 (c, d)	Marine surrogate (DEQ Table 3)
Hexachlorobutadiene	EPA 8260D	87-68-3	0.025	0.001 (c, d)	Marine surrogate (DEQ Table 3)
Isopropylbenzene	EPA 8260D	98-82-8	0.048	NA	
Methyl tert-butyl ether (MTBE)	EPA 8260D	1634-04-4	0.046	NA	
Methylene Chloride	EPA 8260D	75-09-2	0.310	NA	
Naphthalene	EPA 8260D	91-20-3	0.043	0.176 (c)	OR DEQ Table 3 (freshwater)
n-Butylbenzene	EPA 8260D	104-51-8	0.043	NA	
N-Propylbenzene	EPA 8260D	103-65-1	0.041	NA	
p-Isopropyltoluene	EPA 8260D	99-87-6	0.032	NA	
sec-Butylbenzene	EPA 8260D	135-98-8	0.029	NA	
Styrene	EPA 8260D	100-42-5	0.036	NA	
tert-Butylbenzene	EPA 8260D	98-06-6	0.030	NA	
Tetrachloroethene	EPA 8260D	127-18-4	0.027	0.057 (c, d)	Marine surrogate (DEQ Table 3)
Toluene	EPA 8260D	108-88-3	0.070	NA	
trans-1,2-Dichloroethene	EPA 8260D	156-60-5	0.035	NA	
trans-1,3-Dichloropropene	EPA 8260D	10061-02-6	0.041	NA	
Trichloroethene	EPA 8260D	79-01-6	0.012	0.041 (c, d)	Marine surrogate (DEQ Table 3)

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Trichlorofluoromethane	EPA 8260D	75-69-4	0.051	NA	
Total Xylenes	EPA 8260D	1330-20-7	0.080	0.004 (c, d)	Marine surrogate (DEQ Table 3)
Vinyl chloride	EPA 8260D	75-01-4	0.031	NA	
Polynuclear Aromatic Hydrocarbons (PAHs) – EPA 8270E-SIM					
Acenaphthene	EPA 8270E-SIM	83-32-9	0.0029	0.290 (c)	OR DEQ Table 3 (freshwater)
Acenaphthylene	EPA 8270E-SIM	208-96-8	0.0038	0.160 (c)	OR DEQ Table 3 (freshwater)
Anthracene	EPA 8270E-SIM	120-12-7	0.0023	0.057 (c)	OR DEQ Table 3 (freshwater)
Benzo[a]anthracene	EPA 8270E-SIM	56-55-3	0.0025	0.032 (c)	OR DEQ Table 3 (freshwater)
Benzo[a]pyrene	EPA 8270E-SIM	50-32-8	0.0049	0.032 (c)	OR DEQ Table 3 (freshwater)
Benzo[b]fluoranthene	EPA 8270E-SIM	205-99-2	0.0040	1.800 (c, d)	Marine surrogate (DEQ Table 3)
Benzo[g,h,i]perylene	EPA 8270E-SIM	191-24-2	0.0027	0.300 (c)	OR DEQ Table 3 (freshwater)
Benzo[k]fluoranthene	EPA 8270E-SIM	207-08-9	0.0029	0.027 (c)	OR DEQ Table 3 (freshwater)
Chrysene	EPA 8270E-SIM	218-01-9	0.0018	0.057 (c)	OR DEQ Table 3 (freshwater)
Dibenz(a,h)anthracene	EPA 8270E-SIM	53-70-3	0.0033	0.033 (c)	OR DEQ Table 3 (freshwater)
Fluoranthene	EPA 8270E-SIM	206-44-0	0.0029	0.111 (c)	OR DEQ Table 3 (freshwater)
Fluorene	EPA 8270E-SIM	86-73-7	0.0025	0.077 (c)	OR DEQ Table 3 (freshwater)
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	193-39-5	0.0034	0.017 (c)	OR DEQ Table 3 (freshwater)
Naphthalene	EPA 8270E-SIM	91-20-3	0.0025	0.176 (c)	OR DEQ Table 3 (freshwater)

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Phenanthrene	EPA 8270E-SIM	85-01-8	0.0042	0.042 (c)	OR DEQ Table 3 (freshwater)
Pyrene	EPA 8270E-SIM	129-00-0	0.0044	0.053 (c)	OR DEQ Table 3 (freshwater)
1-Methylnaphthalene	EPA 8270E-SIM	90-12-0	0.0026	NA	
2-Methylnaphthalene	EPA 8270E-SIM	91-57-6	0.0036	0.020 (c, d, e)	Marine surrogate (NOAA SQuiRTs TEL)
Metals					
Arsenic	EPA 6010D	7440-38-2	0.5	6.0 (c)	OR DEQ Table 3
Chromium (total)	EPA 6010D	7440-47-3	0.18	37 (c)	OR DEQ Table 3
Copper	EPA 6010D	7440-50-8	0.761	36 (c)	OR DEQ Table 3
Lead	EPA 6010D	7439-92-1	1.5	35 (c)	OR DEQ Table 3

Notes: (a) WA DOE Sediment Cleanup Users Manual (SCUM) SQV of 340 ppm for NW-Total Petroleum Hydrocarbon Diesel (NW-TPH-Dx), applied per DEQ direction. (b) Eurofins TestAmerica laboratory reporting limit, assuming dilution is not required. (c) Screening level from OR DEQ Table 3 – Risk-Based Concentrations for Sediment (freshwater, µg/kg), converted to ppm. Inorganic RBCs also from OR DEQ Table 3 (mg/kg converted to µg/kg, then to ppm). (d) Marine sediment RBC used as surrogate where no freshwater value is available, per DEQ direction. (e) 2-Methylnaphthalene marine TEL from NOAA SQuiRTs. NA = Not Available (no applicable screening level identified for this medium).

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7.0 LABORATORY DETECTION OBJECTIVES – SURFACE WATER

Laboratory detection objectives for proposed surface water sampling are presented below. Screening levels for surface water are the minimum applicable ecological RBCs for aquatic life from DEQ ERA Table 2 (Attachment C) and human health RBCs from the DEQ RBDM table. Updated surface water screening level comparisons are presented in the site investigation report (Table 3b). For several analytes with very low ecological aquatic-life RBCs, standard laboratory reporting limits may exceed the applicable screening level; such analytes will be assessed for data usability during data evaluation.

Analyte	Analytical Method	CAS Registry No.	Lab MDL (ppb)	Min. DEQ RBC Human Health (ppb)	Min. Aquatic Ecological RBC (ppb)
Petroleum Hydrocarbons (PHCs)					
Gasoline-Range Organics	NWTPH-Gx	-	54	110	440
Diesel-Range Organics – without silica gel cleanup	NWTPH-Dx	-	110	100	640
Diesel-Range Organics – with silica gel cleanup (WA DOE NWTPH-Dx; no H_2SO_4)	NWTPH-Dx	-	110	100	640
Oil-Range Organics – without silica gel cleanup	NWTPH-Dx	-	120	100	640
Oil-Range Organics – with silica gel cleanup (WA DOE NWTPH-Dx; no H_2SO_4)	NWTPH-Dx	-	120	100	640
Volatile Organic Compounds (VOCs) – EPA 8260D					
1,1,1,2-Tetrachloroethane	EPA 8260D	630-20-6	0.48	NA	85
1,1,1-Trichloroethane	EPA 8260D	71-55-6	0.17	8,000	76
1,1,2,2-Tetrachloroethane	EPA 8260D	79-34-5	0.32	NA	200
1,1,2-Trichloroethane	EPA 8260D	79-00-5	0.43	0.28	730
1,1-Dichloroethane	EPA 8260D	75-34-3	0.29	2.8	410
1,1-Dichloroethene	EPA 8260D	75-35-4	0.20	280	130
1,1-Dichloropropene	EPA 8260D	563-58-6	0.50	NA	570
1,2,3-Trichlorobenzene	EPA 8260D	87-61-6	0.33	NA	8
1,2,3-Trichloropropane	EPA 8260D	96-18-4	0.50	NA	20
1,2,4-Trichlorobenzene	EPA 8260D	120-82-1	0.50	NA	130
1,2,4-Trimethylbenzene	EPA 8260D	95-63-6	0.31	54	15
1,2-Dibromo-3-Chloropropane	EPA 8260D	96-12-8	1.50	NA	0.005
1,2-Dibromoethane (EDB)	EPA 8260D	106-93-4	0.20	0.0075	NA
1,2-Dichlorobenzene	EPA 8260D	95-50-1	0.23	300	23
1,2-Dichloroethane (EDC)	EPA 8260D	107-06-2	0.31	0.17	2,000
1,2-Dichloropropane	EPA 8260D	78-87-5	0.23	NA	520
1,3,5-Trimethylbenzene	EPA 8260D	108-67-8	0.32	59	26
1,3-Dichlorobenzene	EPA 8260D	541-73-1	0.14	NA	22
1,3-Dichloropropane	EPA 8260D	142-28-9	0.21	NA	270

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1,4-Dichlorobenzene	EPA 8260D	106-46-7	0.28	0.48	9.4
2,2-Dichloropropane	EPA 8260D	594-20-7	0.66	NA	46
2-Chlorotoluene	EPA 8260D	95-49-8	0.36	NA	460
4-Chlorotoluene	EPA 8260D	106-43-4	0.26	NA	140
Benzene	EPA 8260D	71-43-2	0.093	0.46	160
Bromobenzene	EPA 8260D	108-86-1	0.28	NA	450
Bromochloromethane	EPA 8260D	74-97-5	0.44	NA	30
Bromodichloromethane	EPA 8260D	75-27-4	0.29	NA	340
Bromoform	EPA 8260D	75-25-2	0.66	3.3	230
Bromomethane	EPA 8260D	74-83-9	0.76	7.5	16
Carbon tetrachloride	EPA 8260D	56-23-5	0.40	0.46	77
Chlorobenzene	EPA 8260D	108-90-7	0.32	77	25
Chloroethane	EPA 8260D	75-00-3	0.40	21,000	13,000
Chloroform	EPA 8260D	67-66-3	0.24	0.22	140
Chloromethane	EPA 8260D	74-87-3	0.50	190	13
cis-1,2-Dichloroethene	EPA 8260D	156-59-2	0.23	36	620
cis-1,3-Dichloropropene	EPA 8260D	10061-01-5	0.25	NA	1.7
Dibromochloromethane	EPA 8260D	124-48-1	0.33	NA	320
Dibromomethane	EPA 8260D	74-95-3	0.50	NA	2,100
Dichlorodifluoromethane	EPA 8260D	75-71-8	0.64	NA	NA
Ethylbenzene	EPA 8260D	100-41-4	0.20	1.5	61
Hexachlorobutadiene	EPA 8260D	87-68-3	0.21	NA	1
Isopropylbenzene	EPA 8260D	98-82-8	0.24	440	4.8
Methyl tert-butyl ether (MTBE)	EPA 8260D	1634-04-4	0.16	14	730
Methylene Chloride	EPA 8260D	75-09-2	2.20	11	1,500
Naphthalene	EPA 8260D	91-20-3	0.63	0.17	21
n-Butylbenzene	EPA 8260D	104-51-8	0.20	NA	530
N-Propylbenzene	EPA 8260D	103-65-1	0.25	NA	160
p-Isopropyltoluene	EPA 8260D	99-87-6	0.27	NA	16
sec-Butylbenzene	EPA 8260D	135-98-8	0.22	NA	570
Styrene	EPA 8260D	100-42-5	0.24	1,200	32
tert-Butylbenzene	EPA 8260D	98-06-6	0.12	NA	240
Tetrachloroethene	EPA 8260D	127-18-4	0.22	12	53
Toluene	EPA 8260D	108-88-3	0.31	1,100	62
trans-1,2-Dichloroethene	EPA 8260D	156-60-5	0.20	360	560
trans-1,3-Dichloropropene	EPA 8260D	10061-02-6	0.45	NA	1.7
Trichloroethene	EPA 8260D	79-01-6	0.20	0.49	220
Trichlorofluoromethane	EPA 8260D	75-69-4	0.20	1,100	NA
Total Xylenes	EPA 8260D	1330-20-7	0.13	190	27
Vinyl chloride	EPA 8260D	75-01-4	0.13	0.027	930
Polynuclear Aromatic Hydrocarbons (PAHs) – EPA 8270E-SIM					
Acenaphthene	EPA 8270E-SIM	83-32-9	0.022	510	15
Acenaphthylene	EPA 8270E-SIM	208-96-8	0.016	NA	13

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Anthracene	EPA 8270E-SIM	120-12-7	0.025	>S	0.02
Benzo[a]anthracene	EPA 8270E-SIM	56-55-3	0.028	0.030	4.7
Benzo[a]pyrene	EPA 8270E-SIM	50-32-8	0.012	0.025	0.06
Benzo[b]fluoranthene	EPA 8270E-SIM	205-99-2	0.025	0.25	2.6
Benzo[g,h,i]perylene	EPA 8270E-SIM	191-24-2	0.021	NA	0.012
Benzo[k]fluoranthene	EPA 8270E-SIM	207-08-9	0.015	NA	0.06
Chrysene	EPA 8270E-SIM	218-01-9	0.010	NA	4.7
Dibenz(a,h)anthracene	EPA 8270E-SIM	53-70-3	0.013	0.025	0.012
Fluoranthene	EPA 8270E-SIM	206-44-0	0.017	NA	0.8
Fluorene	EPA 8270E-SIM	86-73-7	0.016	280	19
Indeno[1,2,3-cd]pyrene	EPA 8270E-SIM	193-39-5	0.022	NA	0.012
Naphthalene	EPA 8270E-SIM	91-20-3	0.053	0.17	21
Phenanthrene	EPA 8270E-SIM	85-01-8	0.057	NA	2.3
Pyrene	EPA 8270E-SIM	129-00-0	0.026	110	4.6
1-Methylnaphthalene	EPA 8270E-SIM	90-12-0	0.023	NA	6.1
2-Methylnaphthalene	EPA 8270E-SIM	91-57-6	0.044	NA	4.7
Metals					
Arsenic	EPA 6020B	7440-38-2	1.0	0.052	150
Chromium (total)	EPA 6020B	7440-47-3	1.0	0.05 / 30,000	24
Copper	EPA 6020B	7440-50-8	1.0	800	1.4
Lead	EPA 6020B	7439-92-1	1.0	15 (L)	0.54

Notes: (a) Chemical Abstracts Services (CAS). (b) Eurofins TestAmerica laboratory reporting limit based on analytical results from August 2025 surface water sampling event. (c) Parts per million (ppm). (d) Parts per billion (ppb). (e) Human health RBCs are from OR DEQ Risk-Based Decision Making (RBDM) guidance (Revised August 2023) and will be verified prior to data evaluation. NA = Not Available (no DEQ RBC established). (L) = Lead value per DEQ RBDM guidance.

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Appendix D

Soil and Sediment Sample Laboratory Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
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JOB DESCRIPTION

Lawrence Oil

JOB NUMBER

590-32659-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

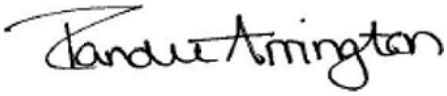
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Job Notes

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Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Definitions 7
Client Sample Results 9
QC Sample Results 50
Chronicle 76
Certification Summary 85
Method Summary 86
Chain of Custody 87
Receipt Checklists 91

Job Narrative
590-32659-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/19/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4°C and 4.4°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap. WS3-0 (590-32659-3), WS3-0 DUP (590-32659-4), WS4-0 (590-32659-5), WS5-0 (590-32659-6), WS6-0 (590-32659-7), WS9-0 (590-32659-11) and Sed1 (590-32659-12)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-55883 recovered outside acceptance criteria, low biased, for Naphthalene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 590-55883 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 590-55883 recovered outside control limits for the following analytes: Chloroethane.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-55883 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-55849 and analytical batch 590-55852 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

Method 8270E_SIM: Surrogate recovery for the following sample was outside control limits: (590-32659-A-6-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons appear to be due to heavily weathered diesel and/or a light weight oil.

WS2-0 (590-32659-2)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

WS4-0 (590-32659-5), WS7-0 (590-32659-9), WS8-0 (590-32659-10), WS9-0 (590-32659-11), Sed2 (590-32659-13), Sed2 DUP (590-32659-14) and (590-32659-A-9-C DU)

Method NWTPH_Dx: Surrogate recovery for the following samples were outside control limits: WS5-0 (590-32659-6) and Sed1 (590-32659-12). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

WS4-0 (590-32659-5), WS7-0 (590-32659-9), WS8-0 (590-32659-10), WS9-0 (590-32659-11), Sed2 (590-32659-13), Sed2 DUP (590-32659-14) and (590-32659-A-9-C DU)

Method NWTPH_Dx: Surrogate recovery for the following samples were outside control limits: WS5-0 (590-32659-6) and Sed1 (590-32659-12). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
Method 7196A: The matrix spike Insoluble (MSI) recoveries for the following sample associated with preparation batch 570-617256 and analytical batch 570-617367 were outside control limits: (590-32659-B-1-L MSI) and (590-32659-B-8-L MSI). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 9060A_DW: The following samples were analyzed in duplicate: WS1-0 (590-32659-1), WS2-0 (590-32659-2), WS4-0 (590-32659-5), WS6-0 (590-32659-7), WS7-0 (590-32659-9), Sed2 DUP (590-32659-14) and (570-242218-B-7-O). The RPD between the two replicates was > 10%. Data is reported at client's request.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-32659-1	WS1-0	Solid	08/14/25 12:03	08/19/25 09:15	Oregon
590-32659-2	WS2-0	Solid	08/14/25 12:55	08/19/25 09:15	Oregon
590-32659-3	WS3-0	Solid	08/14/25 13:10	08/19/25 09:15	Oregon
590-32659-4	WS3-0 DUP	Solid	08/14/25 13:10	08/19/25 09:15	Oregon
590-32659-5	WS4-0	Solid	08/14/25 13:36	08/19/25 09:15	Oregon
590-32659-6	WS5-0	Solid	08/14/25 13:58	08/19/25 09:15	Oregon
590-32659-7	WS6-0	Solid	08/14/25 14:16	08/19/25 09:15	Oregon
590-32659-8	WS6-1.5	Solid	08/14/25 15:03	08/19/25 09:15	Oregon
590-32659-9	WS7-0	Solid	08/14/25 14:34	08/19/25 09:15	Oregon
590-32659-10	WS8-0	Solid	08/14/25 15:27	08/19/25 09:15	Oregon
590-32659-11	WS9-0	Solid	08/14/25 15:12	08/19/25 09:15	Oregon
590-32659-12	Sed1	Solid	08/14/25 14:02	08/19/25 09:15	Oregon
590-32659-13	Sed2	Solid	08/14/25 14:35	08/19/25 09:15	Oregon
590-32659-14	Sed2 DUP	Solid	08/14/25 14:35	08/19/25 09:15	Oregon
590-32659-15	EB1-Soil	Water	08/14/25 10:23	08/19/25 09:15	Oregon
590-32659-16	Trip Blank	Solid	08/14/25 00:00	08/19/25 09:15	Oregon

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.
S1+	Surrogate recovery exceeds control limits, high biased.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
E	Result exceeded calibration range.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-1

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: WS1-0
Date Collected: 08/14/25 12:03
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-1
Matrix: Solid
Percent Solids: 77.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.15	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Chloromethane	ND		0.76	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Vinyl chloride	ND		0.091	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Bromomethane	ND		0.76	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Chloroethane	ND		0.30	0.085	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Trichlorofluoromethane	ND		0.30	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1-Dichloroethene	ND		0.15	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Methylene Chloride	ND		0.53	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
trans-1,2-Dichloroethene	ND		0.15	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1-Dichloroethane	ND		0.15	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
2,2-Dichloropropane	ND		0.15	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
cis-1,2-Dichloroethene	ND		0.15	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Bromochloromethane	ND		0.15	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Chloroform	ND		0.15	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1,1-Trichloroethane	ND		0.15	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Carbon tetrachloride	ND		0.15	0.017	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1-Dichloropropene	ND		0.15	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Benzene	ND		0.030	0.015	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2-Dichloroethane (EDC)	ND		0.15	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Trichloroethene	ND		0.038	0.011	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2-Dichloropropane	ND		0.18	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Dibromomethane	ND		0.15	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Bromodichloromethane	ND		0.15	0.094	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
cis-1,3-Dichloropropene	ND		0.15	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Toluene	ND		0.15	0.068	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
trans-1,3-Dichloropropene	ND		0.15	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1,2-Trichloroethane	ND		0.15	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Tetrachloroethene	ND		0.060	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,3-Dichloropropane	ND		0.15	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Dibromochloromethane	ND		0.30	0.024	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2-Dibromoethane (EDB)	ND		0.15	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Chlorobenzene	ND		0.15	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Ethylbenzene	ND		0.15	0.024	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1,1,2-Tetrachloroethane	ND		0.15	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,1,2,2-Tetrachloroethane	ND		0.15	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
m-Xylene & p-Xylene	ND		0.60	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
o-Xylene	ND		0.30	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Styrene	ND		0.15	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Bromoform	ND		0.30	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Isopropylbenzene	ND		0.15	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Bromobenzene	ND		0.15	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
N-Propylbenzene	ND		0.15	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2,3-Trichloropropane	ND		0.30	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
2-Chlorotoluene	ND		0.15	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,3,5-Trimethylbenzene	ND		0.15	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
4-Chlorotoluene	ND		0.15	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
tert-Butylbenzene	ND		0.15	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2,4-Trimethylbenzene	ND		0.15	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
sec-Butylbenzene	ND		0.15	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1

Client Sample ID: WS1-0
Date Collected: 08/14/25 12:03
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-1
Matrix: Solid
Percent Solids: 77.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.15	0.019	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
p-Isopropyltoluene	ND		0.15	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,4-Dichlorobenzene	ND		0.15	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
n-Butylbenzene	ND		0.15	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2-Dichlorobenzene	ND		0.15	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2-Dibromo-3-Chloropropane	ND		0.76	0.091	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2,4-Trichlorobenzene	ND		0.15	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
1,2,3-Trichlorobenzene	ND		0.15	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Hexachlorobutadiene	ND		0.15	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Naphthalene	ND		0.30	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1
Methyl tert-butyl ether	ND		0.076	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/25/25 13:12*	*08/26/25 06:14*	*1*
4-Bromofluorobenzene (Surr)	*98*		*66 - 129*	*08/25/25 13:12*	*08/26/25 06:14*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/25/25 13:12*	*08/26/25 06:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*	*08/25/25 13:12*	*08/26/25 06:14*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.6	2.7	mg/Kg	☼	08/25/25 13:12	08/26/25 06:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 06:14*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		13	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
2-Methylnaphthalene	ND		13	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
1-Methylnaphthalene	ND		13	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Acenaphthylene	ND		13	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Acenaphthene	ND		13	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Fluorene	ND		13	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Phenanthrene	ND		13	4.6	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Anthracene	ND		13	2.5	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Fluoranthene	ND		13	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Pyrene	ND		13	4.8	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Benzo[a]anthracene	ND		13	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Chrysene	ND		13	1.9	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Benzo[b]fluoranthene	ND		13	4.5	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Benzo[k]fluoranthene	ND		13	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Benzo[a]pyrene	ND		13	5.4	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Indeno[1,2,3-cd]pyrene	ND		13	3.8	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Dibenz(a,h)anthracene	ND		13	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1
Benzo[g,h,i]perylene	ND		13	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*90*		*32 - 120*	*08/20/25 13:30*	*08/20/25 16:59*	*1*
2-Fluorobiphenyl (Surr)	*92*		*41 - 120*	*08/20/25 13:30*	*08/20/25 16:59*	*1*
p-Terphenyl-d14	*85*		*45 - 134*	*08/20/25 13:30*	*08/20/25 16:59*	*1*

Client Sample ID: WS1-0

Lab Sample ID: 590-32659-1

Date Collected: 08/14/25 12:03

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 77.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**7.0**	**J**	13	5.3	mg/Kg	☼	08/20/25 09:00	08/20/25 20:39	1
Residual Range Organics (RRO) (C25-C36)	**9.1**	**J**	32	6.4	mg/Kg	☼	08/20/25 09:00	08/20/25 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*74*		*50 - 150*	*08/20/25 09:00*	*08/20/25 20:39*	*1*
n-Triacontane-d62	*75*		*50 - 150*	*08/20/25 09:00*	*08/20/25 20:39*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.7**		0.54	0.085	mg/Kg	☼	08/26/25 12:36	08/27/25 11:44	5
Chromium	**17**		0.54	0.41	mg/Kg	☼	08/26/25 12:36	08/27/25 11:44	5
Copper	**13**		0.54	0.10	mg/Kg	☼	08/26/25 12:36	08/27/25 11:44	5
Lead	**6.0**		0.54	0.30	mg/Kg	☼	08/26/25 12:36	08/27/25 11:44	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND	F1	1.0	0.22	mg/Kg	☼	08/26/25 18:48	08/27/25 00:09	1
Carbon, Total Organic (SW846 9060A)	**3600**		640	440	mg/Kg	☼	08/21/25 13:15	08/22/25 10:17	1

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.19	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Chloromethane	ND		0.94	0.078	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Vinyl chloride	ND		0.11	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Bromomethane	ND		0.94	0.062	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Chloroethane	ND	F1	0.38	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Trichlorofluoromethane	ND		0.38	0.062	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1-Dichloroethene	ND		0.19	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Methylene Chloride	ND		0.66	0.38	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
trans-1,2-Dichloroethene	ND		0.19	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1-Dichloroethane	ND		0.19	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
2,2-Dichloropropane	ND		0.19	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
cis-1,2-Dichloroethene	ND		0.19	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Bromochloromethane	ND		0.19	0.075	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Chloroform	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1,1-Trichloroethane	ND		0.19	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Carbon tetrachloride	ND		0.19	0.021	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1-Dichloropropene	ND		0.19	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Benzene	ND		0.038	0.019	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2-Dichloroethane (EDC)	ND		0.19	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Trichloroethene	ND		0.047	0.014	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2-Dichloropropane	ND		0.23	0.057	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Dibromomethane	ND		0.19	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Bromodichloromethane	ND		0.19	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1

Client Sample ID: WS2-0
Date Collected: 08/14/25 12:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-2
Matrix: Solid
Percent Solids: 67.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.19	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Toluene	ND		0.19	0.085	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
trans-1,3-Dichloropropene	ND		0.19	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1,2-Trichloroethane	ND		0.19	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Tetrachloroethene	ND		0.075	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,3-Dichloropropane	ND		0.19	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Dibromochloromethane	ND		0.38	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2-Dibromoethane (EDB)	ND		0.19	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Chlorobenzene	ND		0.19	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Ethylbenzene	ND		0.19	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1,1,2-Tetrachloroethane	ND		0.19	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,1,2,2-Tetrachloroethane	ND		0.19	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
m-Xylene & p-Xylene	ND		0.75	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
o-Xylene	ND		0.38	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Styrene	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Bromoform	ND		0.38	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Isopropylbenzene	ND		0.19	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Bromobenzene	ND		0.19	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
N-Propylbenzene	ND		0.19	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2,3-Trichloropropane	ND		0.38	0.069	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
2-Chlorotoluene	ND		0.19	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,3,5-Trimethylbenzene	ND		0.19	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
4-Chlorotoluene	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
tert-Butylbenzene	ND		0.19	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2,4-Trimethylbenzene	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
sec-Butylbenzene	ND		0.19	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,3-Dichlorobenzene	ND		0.19	0.024	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
p-Isopropyltoluene	ND		0.19	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,4-Dichlorobenzene	ND		0.19	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
n-Butylbenzene	ND		0.19	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2-Dichlorobenzene	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2-Dibromo-3-Chloropropane	ND		0.94	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2,4-Trichlorobenzene	ND		0.19	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
1,2,3-Trichlorobenzene	ND		0.19	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Hexachlorobutadiene	ND	F1	0.19	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Naphthalene	ND		0.38	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1
Methyl tert-butyl ether	ND		0.094	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/25/25 13:12*	*08/26/25 06:58*	*1*
4-Bromofluorobenzene (Surr)	*96*		*66 - 129*	*08/25/25 13:12*	*08/26/25 06:58*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*	*08/25/25 13:12*	*08/26/25 06:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*	*08/25/25 13:12*	*08/26/25 06:58*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		9.4	3.4	mg/Kg	☼	08/25/25 13:12	08/26/25 06:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 06:58*	*1*

Client Sample ID: WS2-0
Date Collected: 08/14/25 12:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-2
Matrix: Solid
Percent Solids: 67.7

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
2-Methylnaphthalene	ND		14	4.4	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
1-Methylnaphthalene	ND		14	3.1	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Acenaphthylene	ND		14	4.7	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Acenaphthene	ND		14	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Fluorene	ND		14	3.1	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Phenanthrene	ND		14	5.1	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Anthracene	ND		14	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Fluoranthene	**13**	**J**	14	3.5	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Pyrene	**54**		14	5.4	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Benzo[a]anthracene	**4.4**	**J**	14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Chrysene	ND		14	2.1	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Benzo[b]fluoranthene	ND		14	4.9	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Benzo[k]fluoranthene	ND		14	3.5	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Benzo[a]pyrene	ND		14	5.9	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Indeno[1,2,3-cd]pyrene	ND		14	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Dibenz(a,h)anthracene	ND		14	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1
Benzo[g,h,i]perylene	ND		14	3.3	ug/Kg	☼	08/20/25 13:30	08/20/25 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*91*		*32 - 120*	*08/20/25 13:30*	*08/20/25 17:22*	*1*
2-Fluorobiphenyl (Surr)	*100*		*41 - 120*	*08/20/25 13:30*	*08/20/25 17:22*	*1*
p-Terphenyl-d14	*92*		*45 - 134*	*08/20/25 13:30*	*08/20/25 17:22*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**810**		14	6.0	mg/Kg	☼	08/20/25 09:00	08/20/25 21:01	1
Residual Range Organics (RRO) (C25-C36)	**73**		36	7.2	mg/Kg	☼	08/20/25 09:00	08/20/25 21:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*08/20/25 09:00*	*08/20/25 21:01*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*08/20/25 09:00*	*08/20/25 21:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.5**		0.65	0.10	mg/Kg	☼	08/26/25 12:36	08/27/25 11:46	5
Chromium	**22**		0.65	0.49	mg/Kg	☼	08/26/25 12:36	08/27/25 11:46	5
Copper	**12**		0.65	0.12	mg/Kg	☼	08/26/25 12:36	08/27/25 11:46	5
Lead	**8.8**		0.65	0.36	mg/Kg	☼	08/26/25 12:36	08/27/25 11:46	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		1.2	0.25	mg/Kg	☼	08/26/25 18:48	08/27/25 00:14	1
Carbon, Total Organic (SW846 9060A)	**10000**		740	500	mg/Kg	☼	08/21/25 13:15	08/22/25 10:42	1

Client Sample ID: WS3-0
Date Collected: 08/14/25 13:10
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-3
Matrix: Solid
Percent Solids: 73.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Chloromethane	ND		0.79	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Vinyl chloride	ND		0.095	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Bromomethane	ND		0.79	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Chloroethane	ND		0.32	0.089	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Trichlorofluoromethane	ND		0.32	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1-Dichloroethene	ND		0.16	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Methylene Chloride	ND		0.55	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
trans-1,2-Dichloroethene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1-Dichloroethane	ND		0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
2,2-Dichloropropane	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
cis-1,2-Dichloroethene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Bromochloromethane	ND		0.16	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Chloroform	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1,1-Trichloroethane	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Carbon tetrachloride	ND		0.16	0.017	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1-Dichloropropene	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Benzene	ND		0.032	0.016	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2-Dichloroethane (EDC)	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Trichloroethene	ND		0.039	0.012	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2-Dichloropropane	ND		0.19	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Dibromomethane	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Bromodichloromethane	ND		0.16	0.098	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
cis-1,3-Dichloropropene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Toluene	ND		0.16	0.071	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
trans-1,3-Dichloropropene	ND		0.16	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1,2-Trichloroethane	ND		0.16	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Tetrachloroethene	ND		0.063	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,3-Dichloropropane	ND		0.16	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Dibromochloromethane	ND		0.32	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2-Dibromoethane (EDB)	ND		0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Chlorobenzene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Ethylbenzene	**0.13**	**J**	0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
m-Xylene & p-Xylene	**0.13**	**J**	0.63	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
o-Xylene	**0.053**	**J**	0.32	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Styrene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Bromoform	ND		0.32	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Isopropylbenzene	**0.057**	**J**	0.16	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Bromobenzene	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
N-Propylbenzene	**0.12**	**J**	0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2,3-Trichloropropane	ND		0.32	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
2-Chlorotoluene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,3,5-Trimethylbenzene	**0.17**		0.16	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
4-Chlorotoluene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
tert-Butylbenzene	ND		0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2,4-Trimethylbenzene	**0.88**		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
sec-Butylbenzene	**0.067**	**J**	0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1

Client Sample ID: WS3-0
Date Collected: 08/14/25 13:10
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-3
Matrix: Solid
Percent Solids: 73.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
p-Isopropyltoluene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,4-Dichlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
n-Butylbenzene	**0.13**	**J**	0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2-Dichlorobenzene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2-Dibromo-3-Chloropropane	ND		0.79	0.095	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
1,2,3-Trichlorobenzene	ND		0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Naphthalene	**0.15**	**J**	0.32	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1
Methyl tert-butyl ether	ND		0.079	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*	*08/25/25 13:12*	*08/26/25 08:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*66 - 129*	*08/25/25 13:12*	*08/26/25 08:26*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/25/25 13:12*	*08/26/25 08:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*79 - 124*	*08/25/25 13:12*	*08/26/25 08:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**77**		7.9	2.8	mg/Kg	☼	08/25/25 13:12	08/26/25 08:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 08:26*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**24**		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
2-Methylnaphthalene	**76**		14	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
1-Methylnaphthalene	**58**		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Acenaphthylene	ND		14	4.5	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Acenaphthene	**17**		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Fluorene	**20**		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Phenanthrene	**44**		14	4.9	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Anthracene	**25**		14	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Fluoranthene	**3.4**	**J**	14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Pyrene	**79**		14	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Benzo[a]anthracene	ND		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Chrysene	ND		14	2.1	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Benzo[b]fluoranthene	ND		14	4.8	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Benzo[k]fluoranthene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Benzo[a]pyrene	ND		14	5.7	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Indeno[1,2,3-cd]pyrene	ND		14	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Dibenz(a,h)anthracene	ND		14	3.8	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1
Benzo[g,h,i]perylene	ND		14	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*81*		*32 - 120*	*08/20/25 13:30*	*08/20/25 17:44*	*1*
2-Fluorobiphenyl (Surr)	*83*		*41 - 120*	*08/20/25 13:30*	*08/20/25 17:44*	*1*
p-Terphenyl-d14	*79*		*45 - 134*	*08/20/25 13:30*	*08/20/25 17:44*	*1*

Client Sample ID: WS3-0

Lab Sample ID: 590-32659-3

Date Collected: 08/14/25 13:10
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 73.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	210		13	5.6	mg/Kg	☼	08/20/25 09:00	08/20/25 21:23	1
Residual Range Organics (RRO) (C25-C36)	8.2	J	34	6.7	mg/Kg	☼	08/20/25 09:00	08/20/25 21:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*08/20/25 09:00*	*08/20/25 21:23*	*1*
n-Triacontane-d62	*76*		*50 - 150*	*08/20/25 09:00*	*08/20/25 21:23*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	220		13	5.6	mg/Kg	☼	08/20/25 09:00	08/22/25 00:25	1
Residual Range Organics (RRO) (C25-C36)	8.5	J	34	6.7	mg/Kg	☼	08/20/25 09:00	08/22/25 00:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*08/20/25 09:00*	*08/22/25 00:25*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*08/20/25 09:00*	*08/22/25 00:25*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2		0.60	0.095	mg/Kg	☼	08/26/25 12:36	08/27/25 11:57	5
Chromium	20		0.60	0.46	mg/Kg	☼	08/26/25 12:36	08/27/25 11:57	5
Copper	12		0.60	0.11	mg/Kg	☼	08/26/25 12:36	08/27/25 11:57	5
Lead	8.6		0.60	0.33	mg/Kg	☼	08/26/25 12:36	08/27/25 11:57	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		1.1	0.23	mg/Kg	☼	08/26/25 18:48	08/27/25 00:15	1
Carbon, Total Organic (SW846 9060A)	5300		680	460	mg/Kg	☼	08/21/25 13:15	08/22/25 11:06	1

Client Sample ID: WS3-0 DUP

Lab Sample ID: 590-32659-4

Date Collected: 08/14/25 13:10
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 72.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Chloromethane	ND		0.82	0.068	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Vinyl chloride	ND		0.098	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Bromomethane	ND		0.82	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Chloroethane	ND		0.33	0.093	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Trichlorofluoromethane	ND		0.33	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1-Dichloroethene	ND		0.16	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Methylene Chloride	ND		0.57	0.33	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
trans-1,2-Dichloroethene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1-Dichloroethane	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
2,2-Dichloropropane	ND		0.16	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
cis-1,2-Dichloroethene	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Bromochloromethane	ND		0.16	0.065	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1

Client Sample ID: WS3-0 DUP
Date Collected: 08/14/25 13:10
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-4
Matrix: Solid
Percent Solids: 72.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.16	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1,1-Trichloroethane	ND		0.16	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Carbon tetrachloride	ND		0.16	0.018	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1-Dichloropropene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Benzene	ND		0.033	0.016	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2-Dichloroethane (EDC)	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Trichloroethene	ND		0.041	0.012	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2-Dichloropropane	ND		0.20	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Dibromomethane	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Bromodichloromethane	ND		0.16	0.10	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
cis-1,3-Dichloropropene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Toluene	ND		0.16	0.074	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
trans-1,3-Dichloropropene	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1,2-Trichloroethane	ND		0.16	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Tetrachloroethene	ND		0.066	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,3-Dichloropropane	ND		0.16	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Dibromochloromethane	ND		0.33	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2-Dibromoethane (EDB)	ND		0.16	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Chlorobenzene	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Ethylbenzene	**0.059**	**J**	0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
m-Xylene & p-Xylene	**0.12**	**J**	0.66	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
o-Xylene	**0.044**	**J**	0.33	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Styrene	ND		0.16	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Bromoform	ND		0.33	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Isopropylbenzene	ND		0.16	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Bromobenzene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
N-Propylbenzene	**0.073**	**J**	0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2,3-Trichloropropane	ND		0.33	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
2-Chlorotoluene	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,3,5-Trimethylbenzene	**0.15**	**J**	0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
4-Chlorotoluene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
tert-Butylbenzene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2,4-Trimethylbenzene	**0.53**		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
sec-Butylbenzene	**0.059**	**J**	0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,3-Dichlorobenzene	ND		0.16	0.021	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
p-Isopropyltoluene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,4-Dichlorobenzene	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
n-Butylbenzene	**0.11**	**J**	0.16	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2-Dichlorobenzene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2-Dibromo-3-Chloropropane	ND		0.82	0.098	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2,4-Trichlorobenzene	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
1,2,3-Trichlorobenzene	ND		0.16	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Hexachlorobutadiene	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Naphthalene	**0.11**	**J**	0.33	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1
Methyl tert-butyl ether	ND		0.082	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*96*		*80 - 120*	*08/25/25 13:12*	*08/26/25 08:48*	*1*

Client Sample ID: WS3-0 DUP

Date Collected: 08/14/25 13:10
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-4

Matrix: Solid
Percent Solids: 72.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*66 - 129*	*08/25/25 13:12*	*08/26/25 08:48*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/25/25 13:12*	*08/26/25 08:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*	*08/25/25 13:12*	*08/26/25 08:48*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**140**		8.2	3.0	mg/Kg	☼	08/25/25 13:12	08/26/25 08:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 08:48*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**21**		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
2-Methylnaphthalene	**52**		14	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
1-Methylnaphthalene	**40**		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Acenaphthylene	**5.5**	**J**	14	4.5	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Acenaphthene	**14**		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Fluorene	**10**	**J**	14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Phenanthrene	**30**		14	4.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Anthracene	**23**		14	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Fluoranthene	**11**	**J**	14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Pyrene	**100**		14	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Benzo[a]anthracene	ND		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Chrysene	ND		14	2.1	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Benzo[b]fluoranthene	ND		14	4.8	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Benzo[k]fluoranthene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Benzo[a]pyrene	ND		14	5.7	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Indeno[1,2,3-cd]pyrene	ND		14	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Dibenz(a,h)anthracene	ND		14	3.8	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1
Benzo[g,h,i]perylene	ND		14	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 18:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	*92*		*32 - 120*	*08/20/25 13:30*	*08/20/25 18:06*	*1*
2-Fluorobiphenyl (Surr)	*93*		*41 - 120*	*08/20/25 13:30*	*08/20/25 18:06*	*1*
p-Terphenyl-d14	*81*		*45 - 134*	*08/20/25 13:30*	*08/20/25 18:06*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**160**		13	5.5	mg/Kg	☼	08/20/25 09:00	08/20/25 22:06	1
Residual Range Organics (RRO) (C25-C36)	**9.0**	**J**	33	6.5	mg/Kg	☼	08/20/25 09:00	08/20/25 22:06	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	*83*		*50 - 150*	*08/20/25 09:00*	*08/20/25 22:06*	*1*
n-Triacontane-d62	*80*		*50 - 150*	*08/20/25 09:00*	*08/20/25 22:06*	*1*

Client Sample ID: WS3-0 DUP

Lab Sample ID: 590-32659-4

Date Collected: 08/14/25 13:10
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 72.6

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	160		13	5.5	mg/Kg	☼	08/20/25 09:00	08/22/25 00:46	1
Residual Range Organics (RRO) (C25-C36)	7.1	J	33	6.5	mg/Kg	☼	08/20/25 09:00	08/22/25 00:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*08/20/25 09:00*	*08/22/25 00:46*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*08/20/25 09:00*	*08/22/25 00:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		0.58	0.092	mg/Kg	☼	08/26/25 12:36	08/27/25 12:00	5
Chromium	20		0.58	0.44	mg/Kg	☼	08/26/25 12:36	08/27/25 12:00	5
Copper	15		0.58	0.11	mg/Kg	☼	08/26/25 12:36	08/27/25 12:00	5
Lead	8.5		0.58	0.32	mg/Kg	☼	08/26/25 12:36	08/27/25 12:00	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		1.1	0.23	mg/Kg	☼	08/26/25 18:48	08/27/25 00:16	1
Carbon, Total Organic (SW846 9060A)	5300		690	470	mg/Kg	☼	08/21/25 13:15	08/22/25 11:31	1

Client Sample ID: WS4-0

Lab Sample ID: 590-32659-5

Date Collected: 08/14/25 13:36
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 74.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Chloromethane	ND		0.78	0.065	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Vinyl chloride	ND		0.094	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Bromomethane	ND		0.78	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Chloroethane	ND		0.31	0.088	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Trichlorofluoromethane	ND		0.31	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1-Dichloroethene	ND		0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Methylene Chloride	ND		0.55	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
trans-1,2-Dichloroethene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1-Dichloroethane	ND		0.16	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
2,2-Dichloropropane	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
cis-1,2-Dichloroethene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Bromochloromethane	ND		0.16	0.062	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Chloroform	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1,1-Trichloroethane	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Carbon tetrachloride	ND		0.16	0.017	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1-Dichloropropene	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Benzene	ND		0.031	0.016	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2-Dichloroethane (EDC)	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Trichloroethene	ND		0.039	0.012	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2-Dichloropropane	ND		0.19	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Dibromomethane	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Bromodichloromethane	ND		0.16	0.097	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1

Client Sample ID: WS4-0
Date Collected: 08/14/25 13:36
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-5
Matrix: Solid
Percent Solids: 74.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Toluene	ND		0.16	0.071	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
trans-1,3-Dichloropropene	ND		0.16	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1,2-Trichloroethane	ND		0.16	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Tetrachloroethene	ND		0.063	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,3-Dichloropropane	ND		0.16	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Dibromochloromethane	ND		0.31	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2-Dibromoethane (EDB)	ND		0.16	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Chlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Ethylbenzene	ND		0.16	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
m-Xylene & p-Xylene	ND		0.63	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
o-Xylene	ND		0.31	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Styrene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Bromoform	ND		0.31	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Isopropylbenzene	ND		0.16	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Bromobenzene	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
N-Propylbenzene	ND		0.16	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2,3-Trichloropropane	ND		0.31	0.057	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
2-Chlorotoluene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,3,5-Trimethylbenzene	ND		0.16	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
4-Chlorotoluene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
tert-Butylbenzene	ND		0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2,4-Trimethylbenzene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
sec-Butylbenzene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
p-Isopropyltoluene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,4-Dichlorobenzene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
n-Butylbenzene	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2-Dichlorobenzene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2-Dibromo-3-Chloropropane	ND		0.78	0.094	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
1,2,3-Trichlorobenzene	ND		0.16	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Naphthalene	ND		0.31	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1
Methyl tert-butyl ether	ND		0.078	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:10*	*1*
4-Bromofluorobenzene (Surr)	*94*		*66 - 129*	*08/25/25 13:12*	*08/26/25 09:10*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*79 - 124*	*08/25/25 13:12*	*08/26/25 09:10*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	34		7.8	2.8	mg/Kg	☼	08/25/25 13:12	08/26/25 09:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 09:10*	*1*

Client Sample ID: WS4-0
Date Collected: 08/14/25 13:36
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-5
Matrix: Solid
Percent Solids: 74.3

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		13	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
2-Methylnaphthalene	ND		13	4.1	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
1-Methylnaphthalene	ND		13	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Acenaphthylene	ND		13	4.3	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Acenaphthene	ND		13	3.3	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Fluorene	ND		13	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Phenanthrene	ND		13	4.8	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Anthracene	ND		13	2.6	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Fluoranthene	ND		13	3.3	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Pyrene	**8.1**	**J**	13	5.0	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Benzo[a]anthracene	ND		13	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Chrysene	ND		13	2.0	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Benzo[b]fluoranthene	ND		13	4.6	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Benzo[k]fluoranthene	ND		13	3.3	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Benzo[a]pyrene	ND		13	5.5	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Indeno[1,2,3-cd]pyrene	ND		13	3.9	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Dibenz(a,h)anthracene	ND		13	3.7	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1
Benzo[g,h,i]perylene	ND		13	3.1	ug/Kg	☼	08/20/25 13:30	08/20/25 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*80*		*32 - 120*	*08/20/25 13:30*	*08/20/25 18:28*	*1*
2-Fluorobiphenyl (Surr)	*84*		*41 - 120*	*08/20/25 13:30*	*08/20/25 18:28*	*1*
p-Terphenyl-d14	*79*		*45 - 134*	*08/20/25 13:30*	*08/20/25 18:28*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**30**		13	5.5	mg/Kg	☼	08/21/25 12:43	08/22/25 02:56	1
Residual Range Organics (RRO) (C25-C36)	ND		33	6.5	mg/Kg	☼	08/21/25 12:43	08/22/25 02:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*77*		*50 - 150*	*08/21/25 12:43*	*08/22/25 02:56*	*1*
n-Triacontane-d62	*78*		*50 - 150*	*08/21/25 12:43*	*08/22/25 02:56*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.8**		0.68	0.11	mg/Kg	☼	08/26/25 12:36	08/27/25 12:03	5
Chromium	**16**		0.68	0.52	mg/Kg	☼	08/26/25 12:36	08/27/25 12:03	5
Copper	**9.4**		0.68	0.13	mg/Kg	☼	08/26/25 12:36	08/27/25 12:03	5
Lead	**7.0**		0.68	0.38	mg/Kg	☼	08/26/25 12:36	08/27/25 12:03	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		1.1	0.23	mg/Kg	☼	08/26/25 18:48	08/27/25 00:17	1
Carbon, Total Organic (SW846 9060A)	**6800**		670	460	mg/Kg	☼	08/21/25 13:15	08/22/25 12:46	1

Client Sample ID: WS5-0
Date Collected: 08/14/25 13:58
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-6
Matrix: Solid
Percent Solids: 75.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.20	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Chloromethane	ND		1.0	0.084	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Vinyl chloride	ND		0.12	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Bromomethane	ND		1.0	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Chloroethane	ND		0.40	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Trichlorofluoromethane	ND		0.40	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1-Dichloroethene	ND		0.20	0.068	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Methylene Chloride	ND		0.70	0.40	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
trans-1,2-Dichloroethene	ND		0.20	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1-Dichloroethane	ND		0.20	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
2,2-Dichloropropane	ND		0.20	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
cis-1,2-Dichloroethene	ND		0.20	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Bromochloromethane	ND		0.20	0.080	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Chloroform	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1,1-Trichloroethane	ND		0.20	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Carbon tetrachloride	ND		0.20	0.022	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1-Dichloropropene	ND		0.20	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Benzene	ND		0.040	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2-Dichloroethane (EDC)	ND		0.20	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Trichloroethene	ND		0.050	0.015	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2-Dichloropropane	ND		0.24	0.061	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Dibromomethane	ND		0.20	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Bromodichloromethane	ND		0.20	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
cis-1,3-Dichloropropene	ND		0.20	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Toluene	ND		0.20	0.090	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
trans-1,3-Dichloropropene	ND		0.20	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1,2-Trichloroethane	ND		0.20	0.071	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Tetrachloroethene	ND		0.080	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,3-Dichloropropane	ND		0.20	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Dibromochloromethane	ND		0.40	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2-Dibromoethane (EDB)	ND		0.20	0.067	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Chlorobenzene	ND		0.20	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Ethylbenzene	ND		0.20	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
m-Xylene & p-Xylene	ND		0.80	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
o-Xylene	ND		0.40	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Styrene	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Bromoform	ND		0.40	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Isopropylbenzene	ND		0.20	0.062	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Bromobenzene	ND		0.20	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
N-Propylbenzene	ND		0.20	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2,3-Trichloropropane	ND		0.40	0.073	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
2-Chlorotoluene	ND		0.20	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,3,5-Trimethylbenzene	ND		0.20	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
4-Chlorotoluene	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
tert-Butylbenzene	ND		0.20	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2,4-Trimethylbenzene	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
sec-Butylbenzene	ND		0.20	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1

Client Sample ID: WS5-0
Date Collected: 08/14/25 13:58
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-6
Matrix: Solid
Percent Solids: 75.6

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.20	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
p-Isopropyltoluene	ND		0.20	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,4-Dichlorobenzene	ND		0.20	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
n-Butylbenzene	ND		0.20	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2-Dichlorobenzene	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2,4-Trichlorobenzene	ND		0.20	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
1,2,3-Trichlorobenzene	ND		0.20	0.067	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Hexachlorobutadiene	ND		0.20	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Naphthalene	**0.34**	**J**	0.40	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1
Methyl tert-butyl ether	ND		0.10	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:32*	*1*
4-Bromofluorobenzene (Surr)	*93*		*66 - 129*	*08/25/25 13:12*	*08/26/25 09:32*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*79 - 124*	*08/25/25 13:12*	*08/26/25 09:32*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**810**		10	3.6	mg/Kg	☼	08/25/25 13:12	08/26/25 09:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*93*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 09:32*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND	F2	130	28	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
2-Methylnaphthalene	ND	F1 F2	130	41	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
1-Methylnaphthalene	**160**	**F1 F2**	130	29	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Acenaphthylene	ND	F2	130	44	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Acenaphthene	ND	F1 F2	130	33	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Fluorene	**130**	**F2**	130	29	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Phenanthrene	**520**	**F1**	130	48	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Anthracene	**1200**	**F1**	130	26	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Fluoranthene	**150**	**F1 F2**	130	33	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Pyrene	**4500**		130	50	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Benzo[a]anthracene	**110**	**J**	130	28	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Chrysene	**52**	**J**	130	20	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Benzo[b]fluoranthene	ND		130	46	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Benzo[k]fluoranthene	ND		130	33	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Benzo[a]pyrene	ND		130	56	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Indeno[1,2,3-cd]pyrene	ND		130	39	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Dibenz(a,h)anthracene	ND		130	37	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10
Benzo[g,h,i]perylene	ND		130	31	ug/Kg	☼	08/20/25 13:30	08/20/25 18:50	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*94*		*32 - 120*	*08/20/25 13:30*	*08/20/25 18:50*	*10*
2-Fluorobiphenyl (Surr)	*110*		*41 - 120*	*08/20/25 13:30*	*08/20/25 18:50*	*10*
p-Terphenyl-d14	*60*		*45 - 134*	*08/20/25 13:30*	*08/20/25 18:50*	*10*

Client Sample ID: WS5-0

Lab Sample ID: 590-32659-6

Date Collected: 08/14/25 13:58

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 75.6

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	25000		260	110	mg/Kg	☼	08/21/25 12:43	08/22/25 11:31	20
Residual Range Organics (RRO) (C25-C36)	1200		640	130	mg/Kg	☼	08/21/25 12:43	08/22/25 11:31	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*1735*	*S1+*	*50 - 150*	*08/21/25 12:43*	*08/22/25 11:31*	*20*
n-Triacontane-d62	*157*	*S1+*	*50 - 150*	*08/21/25 12:43*	*08/22/25 11:31*	*20*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	24000		260	110	mg/Kg	☼	08/21/25 12:43	08/22/25 11:52	20
Residual Range Organics (RRO) (C25-C36)	1100		640	130	mg/Kg	☼	08/21/25 12:43	08/22/25 11:52	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*109*		*50 - 150*	*08/21/25 12:43*	*08/22/25 11:52*	*20*
n-Triacontane-d62	*129*		*50 - 150*	*08/21/25 12:43*	*08/22/25 11:52*	*20*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.7		0.67	0.11	mg/Kg	☼	08/26/25 12:36	08/27/25 12:05	5
Chromium	16		0.67	0.51	mg/Kg	☼	08/26/25 12:36	08/27/25 12:05	5
Copper	9.8		0.67	0.12	mg/Kg	☼	08/26/25 12:36	08/27/25 12:05	5
Lead	11		0.67	0.37	mg/Kg	☼	08/26/25 12:36	08/27/25 12:05	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	0.26	J	1.1	0.22	mg/Kg	☼	08/26/25 18:48	08/27/25 00:20	1
Carbon, Total Organic (SW846 9060A)	68000	E	660	450	mg/Kg	☼	08/21/25 13:15	08/22/25 13:10	1

Client Sample ID: WS6-0

Lab Sample ID: 590-32659-7

Date Collected: 08/14/25 14:16

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.19	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Chloromethane	ND		0.96	0.080	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Vinyl chloride	ND		0.12	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Bromomethane	ND		0.96	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Chloroethane	ND		0.38	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Trichlorofluoromethane	ND		0.38	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1-Dichloroethene	ND		0.19	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Methylene Chloride	ND		0.67	0.38	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
trans-1,2-Dichloroethene	ND		0.19	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1-Dichloroethane	ND		0.19	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
2,2-Dichloropropane	ND		0.19	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
cis-1,2-Dichloroethene	ND		0.19	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Bromochloromethane	ND		0.19	0.077	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1

Client Sample ID: WS6-0
Date Collected: 08/14/25 14:16
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-7
Matrix: Solid
Percent Solids: 67.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	ND		0.19	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1,1-Trichloroethane	ND		0.19	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Carbon tetrachloride	ND		0.19	0.021	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1-Dichloropropene	ND		0.19	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Benzene	ND		0.038	0.019	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2-Dichloroethane (EDC)	ND		0.19	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Trichloroethene	ND		0.048	0.015	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2-Dichloropropane	ND		0.23	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Dibromomethane	ND		0.19	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Bromodichloromethane	ND		0.19	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
cis-1,3-Dichloropropene	ND		0.19	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Toluene	ND		0.19	0.087	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
trans-1,3-Dichloropropene	ND		0.19	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1,2-Trichloroethane	ND		0.19	0.068	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Tetrachloroethene	ND		0.077	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,3-Dichloropropane	ND		0.19	0.057	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Dibromochloromethane	ND		0.38	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2-Dibromoethane (EDB)	ND		0.19	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Chlorobenzene	ND		0.19	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Ethylbenzene	ND		0.19	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1,1,2-Tetrachloroethane	ND		0.19	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,1,2,2-Tetrachloroethane	ND		0.19	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
m-Xylene & p-Xylene	ND		0.77	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
o-Xylene	ND		0.38	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Styrene	ND		0.19	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Bromoform	ND		0.38	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Isopropylbenzene	ND		0.19	0.059	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Bromobenzene	ND		0.19	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
N-Propylbenzene	ND		0.19	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2,3-Trichloropropane	ND		0.38	0.070	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
2-Chlorotoluene	ND		0.19	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,3,5-Trimethylbenzene	ND		0.19	0.061	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
4-Chlorotoluene	ND		0.19	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
tert-Butylbenzene	ND		0.19	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2,4-Trimethylbenzene	ND		0.19	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
sec-Butylbenzene	ND		0.19	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,3-Dichlorobenzene	ND		0.19	0.024	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
p-Isopropyltoluene	ND		0.19	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,4-Dichlorobenzene	ND		0.19	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
n-Butylbenzene	ND		0.19	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2-Dichlorobenzene	ND		0.19	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2-Dibromo-3-Chloropropane	ND		0.96	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2,4-Trichlorobenzene	ND		0.19	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
1,2,3-Trichlorobenzene	ND		0.19	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Hexachlorobutadiene	ND		0.19	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Naphthalene	ND		0.38	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1
Methyl tert-butyl ether	ND		0.096	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:57*	*1*

Client Sample ID: WS6-0
Date Collected: 08/14/25 14:16
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-7
Matrix: Solid
Percent Solids: 67.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*66 - 129*	*08/25/25 13:12*	*08/26/25 09:57*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/25/25 13:12*	*08/26/25 09:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*	*08/25/25 13:12*	*08/26/25 09:57*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	15		9.6	3.5	mg/Kg	☼	08/25/25 13:12	08/26/25 09:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 09:57*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		14	3.1	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
2-Methylnaphthalene	ND		14	4.4	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
1-Methylnaphthalene	ND		14	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Acenaphthylene	ND		14	4.7	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Acenaphthene	ND		14	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Fluorene	ND		14	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Phenanthrene	ND		14	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Anthracene	ND		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Fluoranthene	ND		14	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Pyrene	ND		14	5.4	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Benzo[a]anthracene	ND		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Chrysene	ND		14	2.2	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Benzo[b]fluoranthene	ND		14	5.0	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Benzo[k]fluoranthene	ND		14	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Benzo[a]pyrene	ND		14	6.0	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Indeno[1,2,3-cd]pyrene	ND		14	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Dibenz(a,h)anthracene	ND		14	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1
Benzo[g,h,i]perylene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 19:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*74*		*32 - 120*	*08/20/25 13:30*	*08/20/25 19:57*	*1*
2-Fluorobiphenyl (Surr)	*81*		*41 - 120*	*08/20/25 13:30*	*08/20/25 19:57*	*1*
p-Terphenyl-d14	*84*		*45 - 134*	*08/20/25 13:30*	*08/20/25 19:57*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		15	6.1	mg/Kg	☼	08/21/25 12:43	08/22/25 03:40	1
Residual Range Organics (RRO) (C25-C36)	ND		37	7.3	mg/Kg	☼	08/21/25 12:43	08/22/25 03:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*08/21/25 12:43*	*08/22/25 03:40*	*1*
n-Triacontane-d62	*82*		*50 - 150*	*08/21/25 12:43*	*08/22/25 03:40*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.9		0.65	0.10	mg/Kg	☼	08/26/25 12:36	08/27/25 12:08	5

Client Sample ID: WS6-0

Lab Sample ID: 590-32659-7

Date Collected: 08/14/25 14:16

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	21		0.65	0.49	mg/Kg	☼	08/26/25 12:36	08/27/25 12:08	5
Copper	9.6		0.65	0.12	mg/Kg	☼	08/26/25 12:36	08/27/25 12:08	5
Lead	7.2		0.65	0.36	mg/Kg	☼	08/26/25 12:36	08/27/25 12:08	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		1.2	0.25	mg/Kg	☼	08/26/25 18:48	08/27/25 00:21	1
Carbon, Total Organic (SW846 9060A)	7100		740	510	mg/Kg	☼	08/21/25 13:15	08/22/25 13:35	1

Client Sample ID: WS6-1.5

Lab Sample ID: 590-32659-8

Date Collected: 08/14/25 15:03

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 72.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Chloromethane	ND		0.81	0.067	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Vinyl chloride	ND		0.097	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Bromomethane	ND		0.81	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Chloroethane	ND		0.32	0.091	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Trichlorofluoromethane	ND		0.32	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1-Dichloroethene	ND		0.16	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Methylene Chloride	ND		0.57	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
trans-1,2-Dichloroethene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1-Dichloroethane	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
2,2-Dichloropropane	ND		0.16	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
cis-1,2-Dichloroethene	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Bromochloromethane	ND		0.16	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Chloroform	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1,1-Trichloroethane	ND		0.16	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Carbon tetrachloride	ND		0.16	0.018	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1-Dichloropropene	ND		0.16	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Benzene	ND		0.032	0.016	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2-Dichloroethane (EDC)	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Trichloroethene	ND		0.040	0.012	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2-Dichloropropane	ND		0.19	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Dibromomethane	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Bromodichloromethane	ND		0.16	0.10	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
cis-1,3-Dichloropropene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Toluene	ND		0.16	0.073	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
trans-1,3-Dichloropropene	ND		0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1,2-Trichloroethane	ND		0.16	0.057	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Tetrachloroethene	ND		0.065	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,3-Dichloropropane	ND		0.16	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Dibromochloromethane	ND		0.32	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2-Dibromoethane (EDB)	ND		0.16	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Chlorobenzene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Ethylbenzene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1

Client Sample ID: WS6-1.5
Date Collected: 08/14/25 15:03
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-8
Matrix: Solid
Percent Solids: 72.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.16	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
m-Xylene & p-Xylene	ND		0.65	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
o-Xylene	ND		0.32	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Styrene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Bromoform	ND		0.32	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Isopropylbenzene	ND		0.16	0.050	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Bromobenzene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
N-Propylbenzene	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2,3-Trichloropropane	ND		0.32	0.059	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
2-Chlorotoluene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,3,5-Trimethylbenzene	ND		0.16	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
4-Chlorotoluene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
tert-Butylbenzene	ND		0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2,4-Trimethylbenzene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
sec-Butylbenzene	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
p-Isopropyltoluene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,4-Dichlorobenzene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
n-Butylbenzene	ND		0.16	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2-Dichlorobenzene	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2-Dibromo-3-Chloropropane	ND		0.81	0.097	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2,4-Trichlorobenzene	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
1,2,3-Trichlorobenzene	ND		0.16	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Naphthalene	ND		0.32	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1
Methyl tert-butyl ether	ND		0.081	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/25/25 13:12*	*08/26/25 10:20*	*1*
4-Bromofluorobenzene (Surr)	*101*		*66 - 129*	*08/25/25 13:12*	*08/26/25 10:20*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 10:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*79 - 124*	*08/25/25 13:12*	*08/26/25 10:20*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		8.1	2.9	mg/Kg	☼	08/25/25 13:12	08/26/25 10:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*101*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 10:20*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
2-Methylnaphthalene	ND		14	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
1-Methylnaphthalene	ND		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Acenaphthylene	ND		14	4.5	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Acenaphthene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Fluorene	ND		14	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Phenanthrene	ND		14	4.9	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Anthracene	ND		14	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1

Client Sample ID: WS6-1.5

Lab Sample ID: 590-32659-8

Date Collected: 08/14/25 15:03
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 72.7

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Pyrene	ND		14	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Benzo[a]anthracene	ND		14	2.9	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Chrysene	ND		14	2.1	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Benzo[b]fluoranthene	ND		14	4.8	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Benzo[k]fluoranthene	ND		14	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Benzo[a]pyrene	ND		14	5.8	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Indeno[1,2,3-cd]pyrene	ND		14	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Dibenz(a,h)anthracene	ND		14	3.9	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1
Benzo[g,h,i]perylene	ND		14	3.2	ug/Kg	☼	08/20/25 13:30	08/20/25 20:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*32 - 120*	*08/20/25 13:30*	*08/20/25 20:19*	*1*
2-Fluorobiphenyl (Surr)	*86*		*41 - 120*	*08/20/25 13:30*	*08/20/25 20:19*	*1*
p-Terphenyl-d14	*85*		*45 - 134*	*08/20/25 13:30*	*08/20/25 20:19*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		13	5.5	mg/Kg	☼	08/21/25 12:43	08/22/25 04:01	1
Residual Range Organics (RRO) (C25-C36)	ND		33	6.6	mg/Kg	☼	08/21/25 12:43	08/22/25 04:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*08/21/25 12:43*	*08/22/25 04:01*	*1*
n-Triacontane-d62	*85*		*50 - 150*	*08/21/25 12:43*	*08/22/25 04:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.6**		0.59	0.093	mg/Kg	☼	08/26/25 12:36	08/27/25 12:11	5
Chromium	**17**		0.59	0.45	mg/Kg	☼	08/26/25 12:36	08/27/25 12:11	5
Copper	**9.1**		0.59	0.11	mg/Kg	☼	08/26/25 12:36	08/27/25 12:11	5
Lead	**7.8**		0.59	0.32	mg/Kg	☼	08/26/25 12:36	08/27/25 12:11	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND	F1	1.1	0.23	mg/Kg	☼	08/26/25 18:48	08/27/25 00:22	1
Carbon, Total Organic (SW846 9060A)	**3600**		690	470	mg/Kg	☼	08/21/25 13:15	08/22/25 14:00	1

Client Sample ID: WS7-0

Lab Sample ID: 590-32659-9

Date Collected: 08/14/25 14:34
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Chloromethane	ND		0.79	0.066	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Vinyl chloride	ND		0.095	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Bromomethane	ND		0.79	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Chloroethane	ND		0.32	0.089	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1

Client Sample ID: WS7-0
Date Collected: 08/14/25 14:34
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-9
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		0.32	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1-Dichloroethene	ND		0.16	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Methylene Chloride	ND		0.55	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
trans-1,2-Dichloroethene	ND		0.16	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1-Dichloroethane	ND		0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
2,2-Dichloropropane	ND		0.16	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
cis-1,2-Dichloroethene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Bromochloromethane	ND		0.16	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Chloroform	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1,1-Trichloroethane	ND		0.16	0.027	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Carbon tetrachloride	ND		0.16	0.017	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1-Dichloropropene	ND		0.16	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Benzene	ND		0.032	0.016	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2-Dichloroethane (EDC)	ND		0.16	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Trichloroethene	ND		0.040	0.012	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2-Dichloropropane	ND		0.19	0.048	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Dibromomethane	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Bromodichloromethane	ND		0.16	0.098	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
cis-1,3-Dichloropropene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Toluene	ND		0.16	0.071	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
trans-1,3-Dichloropropene	ND		0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1,2-Trichloroethane	ND		0.16	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Tetrachloroethene	ND		0.063	0.028	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,3-Dichloropropane	ND		0.16	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Dibromochloromethane	ND		0.32	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2-Dibromoethane (EDB)	ND		0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Chlorobenzene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Ethylbenzene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
m-Xylene & p-Xylene	ND		0.63	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
o-Xylene	ND		0.32	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Styrene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Bromoform	ND		0.32	0.030	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Isopropylbenzene	ND		0.16	0.049	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Bromobenzene	ND		0.16	0.035	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
N-Propylbenzene	ND		0.16	0.042	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2,3-Trichloropropane	ND		0.32	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
2-Chlorotoluene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,3,5-Trimethylbenzene	ND		0.16	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
4-Chlorotoluene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
tert-Butylbenzene	ND		0.16	0.031	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2,4-Trimethylbenzene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
sec-Butylbenzene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
p-Isopropyltoluene	ND		0.16	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,4-Dichlorobenzene	ND		0.16	0.033	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
n-Butylbenzene	ND		0.16	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2-Dichlorobenzene	ND		0.16	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1

Client Sample ID: WS7-0
Date Collected: 08/14/25 14:34
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-9
Matrix: Solid
Percent Solids: 94.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		0.79	0.095	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
1,2,3-Trichlorobenzene	ND		0.16	0.053	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Naphthalene	ND		0.32	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1
Methyl tert-butyl ether	ND		0.079	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*	*08/25/25 13:12*	*08/26/25 10:42*	*1*
4-Bromofluorobenzene (Surr)	*96*		*66 - 129*	*08/25/25 13:12*	*08/26/25 10:42*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 10:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*81*		*79 - 124*	*08/25/25 13:12*	*08/26/25 10:42*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		7.9	2.8	mg/Kg	☼	08/25/25 13:12	08/26/25 10:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*96*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 10:42*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2.8**	**J**	11	2.3	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
2-Methylnaphthalene	ND		11	3.3	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
1-Methylnaphthalene	ND		11	2.3	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Acenaphthylene	ND		11	3.5	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Acenaphthene	ND		11	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Fluorene	ND		11	2.3	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Phenanthrene	ND		110	38	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Anthracene	ND		110	21	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Fluoranthene	**29**	**J**	110	26	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Pyrene	**140**		110	40	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Benzo[a]anthracene	**23**	**J**	110	22	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Chrysene	ND		110	16	ug/Kg	☼	08/20/25 13:30	08/21/25 13:24	10
Benzo[b]fluoranthene	**11**		11	3.7	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Benzo[k]fluoranthene	**3.7**	**J**	11	2.6	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Benzo[a]pyrene	**5.8**	**J**	11	4.5	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Indeno[1,2,3-cd]pyrene	**8.4**	**J**	11	3.1	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Dibenz(a,h)anthracene	ND		11	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1
Benzo[g,h,i]perylene	**26**		11	2.5	ug/Kg	☼	08/20/25 13:30	08/20/25 20:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*94*		*32 - 120*	*08/20/25 13:30*	*08/20/25 20:42*	*1*
Nitrobenzene-d5	*95*		*32 - 120*	*08/20/25 13:30*	*08/21/25 13:24*	*10*
2-Fluorobiphenyl (Surr)	*112*		*41 - 120*	*08/20/25 13:30*	*08/20/25 20:42*	*1*
2-Fluorobiphenyl (Surr)	*106*		*41 - 120*	*08/20/25 13:30*	*08/21/25 13:24*	*10*
p-Terphenyl-d14	*87*		*45 - 134*	*08/20/25 13:30*	*08/21/25 13:24*	*10*

Client Sample ID: WS7-0

Lab Sample ID: 590-32659-9

Date Collected: 08/14/25 14:34
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 94.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1900		100	43	mg/Kg	☼	08/21/25 12:43	08/22/25 04:23	10
Residual Range Organics (RRO) (C25-C36)	510		260	51	mg/Kg	☼	08/21/25 12:43	08/22/25 04:23	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*107*		*50 - 150*	*08/21/25 12:43*	*08/22/25 04:23*	*10*
n-Triacontane-d62	*80*		*50 - 150*	*08/21/25 12:43*	*08/22/25 04:23*	*10*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.3		0.46	0.073	mg/Kg	☼	08/26/25 12:36	08/27/25 12:14	5
Chromium	9.1		0.46	0.35	mg/Kg	☼	08/26/25 12:36	08/27/25 12:14	5
Copper	23		0.46	0.085	mg/Kg	☼	08/26/25 12:36	08/27/25 12:14	5
Lead	16		0.46	0.25	mg/Kg	☼	08/26/25 12:36	08/27/25 12:14	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.85	0.18	mg/Kg	☼	08/26/25 18:48	08/27/25 00:27	1
Carbon, Total Organic (SW846 9060A)	38000		530	360	mg/Kg	☼	08/21/25 13:15	08/22/25 14:25	1

Client Sample ID: WS8-0

Lab Sample ID: 590-32659-10

Date Collected: 08/14/25 15:27
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.20	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Chloromethane	ND		0.98	0.081	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Vinyl chloride	ND		0.12	0.039	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Bromomethane	ND		0.98	0.065	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Chloroethane	ND		0.39	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Trichlorofluoromethane	ND		0.39	0.064	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1-Dichloroethene	ND		0.20	0.067	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Methylene Chloride	ND		0.68	0.39	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
trans-1,2-Dichloroethene	ND		0.20	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1-Dichloroethane	ND		0.20	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
2,2-Dichloropropane	ND		0.20	0.047	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
cis-1,2-Dichloroethene	ND		0.20	0.041	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Bromochloromethane	ND		0.20	0.078	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Chloroform	ND		0.20	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1,1-Trichloroethane	ND		0.20	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Carbon tetrachloride	ND		0.20	0.021	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1-Dichloropropene	ND		0.20	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Benzene	ND		0.039	0.020	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2-Dichloroethane (EDC)	ND		0.20	0.043	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Trichloroethene	ND		0.049	0.015	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2-Dichloropropane	ND		0.23	0.059	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Dibromomethane	ND		0.20	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Bromodichloromethane	ND		0.20	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1

Client Sample ID: WS8-0
Date Collected: 08/14/25 15:27
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-10
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		0.20	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Toluene	ND		0.20	0.088	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
trans-1,3-Dichloropropene	ND		0.20	0.051	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1,2-Trichloroethane	ND		0.20	0.069	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Tetrachloroethene	ND		0.078	0.034	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,3-Dichloropropane	ND		0.20	0.058	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Dibromochloromethane	ND		0.39	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2-Dibromoethane (EDB)	ND		0.20	0.065	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Chlorobenzene	ND		0.20	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Ethylbenzene	ND		0.20	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1,1,2-Tetrachloroethane	ND		0.20	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,1,2,2-Tetrachloroethane	ND		0.20	0.057	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
m-Xylene & p-Xylene	ND		0.78	0.056	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
o-Xylene	ND		0.39	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Styrene	ND		0.20	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Bromoform	ND		0.39	0.037	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Isopropylbenzene	ND		0.20	0.060	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Bromobenzene	ND		0.20	0.044	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
N-Propylbenzene	ND		0.20	0.052	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2,3-Trichloropropane	ND		0.39	0.071	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
2-Chlorotoluene	ND		0.20	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,3,5-Trimethylbenzene	ND		0.20	0.063	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
4-Chlorotoluene	ND		0.20	0.045	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
tert-Butylbenzene	ND		0.20	0.038	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2,4-Trimethylbenzene	ND		0.20	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
sec-Butylbenzene	ND		0.20	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,3-Dichlorobenzene	ND		0.20	0.025	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
p-Isopropyltoluene	ND		0.20	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,4-Dichlorobenzene	ND		0.20	0.040	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
n-Butylbenzene	ND		0.20	0.054	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2-Dichlorobenzene	ND		0.20	0.046	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2-Dibromo-3-Chloropropane	ND		0.98	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2,4-Trichlorobenzene	ND		0.20	0.036	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
1,2,3-Trichlorobenzene	ND		0.20	0.065	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Hexachlorobutadiene	ND		0.20	0.032	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Naphthalene	ND		0.39	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1
Methyl tert-butyl ether	ND		0.098	0.059	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:04*	*1*
4-Bromofluorobenzene (Surr)	*97*		*66 - 129*	*08/25/25 13:12*	*08/26/25 11:04*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*79 - 124*	*08/25/25 13:12*	*08/26/25 11:04*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	4.5	J	9.8	3.5	mg/Kg	☼	08/25/25 13:12	08/26/25 11:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 11:04*	*1*

Client Sample ID: WS8-0
Date Collected: 08/14/25 15:27
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-10
Matrix: Solid
Percent Solids: 82.1

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		12	2.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
2-Methylnaphthalene	ND		12	3.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
1-Methylnaphthalene	ND		12	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Acenaphthylene	ND		12	4.0	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Acenaphthene	ND		12	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Fluorene	ND		12	2.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Phenanthrene	ND		12	4.4	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Anthracene	ND		12	2.4	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Fluoranthene	ND		12	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Pyrene	**8.0**	**J**	12	4.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Benzo[a]anthracene	ND		12	2.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Chrysene	ND		12	1.8	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Benzo[b]fluoranthene	ND		12	4.2	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Benzo[k]fluoranthene	ND		12	3.0	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Benzo[a]pyrene	ND		12	5.1	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Indeno[1,2,3-cd]pyrene	ND		12	3.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Dibenz(a,h)anthracene	ND		12	3.4	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1
Benzo[g,h,i]perylene	ND		12	2.8	ug/Kg	☼	08/20/25 13:30	08/20/25 21:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*85*		*32 - 120*	*08/20/25 13:30*	*08/20/25 21:04*	*1*
2-Fluorobiphenyl (Surr)	*95*		*41 - 120*	*08/20/25 13:30*	*08/20/25 21:04*	*1*
p-Terphenyl-d14	*81*		*45 - 134*	*08/20/25 13:30*	*08/20/25 21:04*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**230**		12	5.1	mg/Kg	☼	08/21/25 12:43	08/22/25 05:28	1
Residual Range Organics (RRO) (C25-C36)	**140**		30	6.0	mg/Kg	☼	08/21/25 12:43	08/22/25 05:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*87*		*50 - 150*	*08/21/25 12:43*	*08/22/25 05:28*	*1*
n-Triacontane-d62	*81*		*50 - 150*	*08/21/25 12:43*	*08/22/25 05:28*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.3**		0.54	0.085	mg/Kg	☼	08/26/25 12:36	08/27/25 12:17	5
Chromium	**20**		0.54	0.41	mg/Kg	☼	08/26/25 12:36	08/27/25 12:17	5
Copper	**11**		0.54	0.10	mg/Kg	☼	08/26/25 12:36	08/27/25 12:17	5
Lead	**7.7**		0.54	0.30	mg/Kg	☼	08/26/25 12:36	08/27/25 12:17	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		0.97	0.20	mg/Kg	☼	08/26/25 18:48	08/27/25 00:28	1
Carbon, Total Organic (SW846 9060A)	**8300**		610	420	mg/Kg	☼	08/21/25 13:15	08/22/25 14:49	1

Client Sample ID: WS9-0
Date Collected: 08/14/25 15:12
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-11
Matrix: Solid
Percent Solids: 27.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.77	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Chloromethane	ND		3.9	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Vinyl chloride	ND		0.46	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Bromomethane	ND		3.9	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Chloroethane	ND		1.5	0.44	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Trichlorofluoromethane	ND		1.5	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1-Dichloroethene	ND		0.77	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Methylene Chloride	ND		2.7	1.5	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
trans-1,2-Dichloroethene	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1-Dichloroethane	ND		0.77	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
2,2-Dichloropropane	ND		0.77	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
cis-1,2-Dichloroethene	ND		0.77	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Bromochloromethane	ND		0.77	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Chloroform	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1,1-Trichloroethane	ND		0.77	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Carbon tetrachloride	ND		0.77	0.085	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1-Dichloropropene	ND		0.77	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Benzene	ND		0.15	0.077	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2-Dichloroethane (EDC)	ND		0.77	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Trichloroethene	ND		0.19	0.059	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2-Dichloropropane	ND		0.93	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Dibromomethane	ND		0.77	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Bromodichloromethane	ND		0.77	0.48	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
cis-1,3-Dichloropropene	ND		0.77	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Toluene	ND		0.77	0.35	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
trans-1,3-Dichloropropene	ND		0.77	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1,2-Trichloroethane	ND		0.77	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Tetrachloroethene	ND		0.31	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,3-Dichloropropane	ND		0.77	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Dibromochloromethane	ND		1.5	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2-Dibromoethane (EDB)	ND		0.77	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Chlorobenzene	ND		0.77	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Ethylbenzene	ND		0.77	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1,1,2-Tetrachloroethane	ND		0.77	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,1,2,2-Tetrachloroethane	ND		0.77	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
m-Xylene & p-Xylene	ND		3.1	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
o-Xylene	ND		1.5	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Styrene	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Bromoform	ND		1.5	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Isopropylbenzene	ND		0.77	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Bromobenzene	ND		0.77	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
N-Propylbenzene	ND		0.77	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2,3-Trichloropropane	ND		1.5	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
2-Chlorotoluene	ND		0.77	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,3,5-Trimethylbenzene	ND		0.77	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
4-Chlorotoluene	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
tert-Butylbenzene	ND		0.77	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2,4-Trimethylbenzene	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
sec-Butylbenzene	ND		0.77	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1

Client Sample ID: WS9-0
Date Collected: 08/14/25 15:12
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-11
Matrix: Solid
Percent Solids: 27.7

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.77	0.098	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
p-Isopropyltoluene	ND		0.77	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,4-Dichlorobenzene	ND		0.77	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
n-Butylbenzene	ND		0.77	0.21	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2-Dichlorobenzene	ND		0.77	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2-Dibromo-3-Chloropropane	ND		3.9	0.46	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2,4-Trichlorobenzene	ND		0.77	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
1,2,3-Trichlorobenzene	ND		0.77	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Hexachlorobutadiene	ND		0.77	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Naphthalene	ND		1.5	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1
Methyl tert-butyl ether	ND		0.39	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:26*	*1*
4-Bromofluorobenzene (Surr)	*94*		*66 - 129*	*08/25/25 13:12*	*08/26/25 11:26*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:26*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*	*08/25/25 13:12*	*08/26/25 11:26*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**130**		39	14	mg/Kg	☼	08/25/25 13:12	08/26/25 11:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 11:26*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		34	7.4	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
2-Methylnaphthalene	ND		34	11	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
1-Methylnaphthalene	ND		34	7.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Acenaphthylene	ND		34	11	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Acenaphthene	ND		34	8.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Fluorene	ND		34	7.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Phenanthrene	**54**		34	12	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Anthracene	**100**		34	6.9	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Fluoranthene	**17**	**J**	34	8.5	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Pyrene	**1300**		34	13	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Benzo[a]anthracene	**28**	**J**	34	7.3	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Chrysene	**14**	**J**	34	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Benzo[b]fluoranthene	**42**		34	12	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Benzo[k]fluoranthene	**12**	**J**	34	8.6	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Benzo[a]pyrene	ND		34	15	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Indeno[1,2,3-cd]pyrene	ND		34	10	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Dibenz(a,h)anthracene	ND		34	9.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1
Benzo[g,h,i]perylene	**14**	**J**	34	8.1	ug/Kg	☼	08/20/25 13:30	08/20/25 21:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*78*		*32 - 120*	*08/20/25 13:30*	*08/20/25 21:26*	*1*
2-Fluorobiphenyl (Surr)	*74*		*41 - 120*	*08/20/25 13:30*	*08/20/25 21:26*	*1*
p-Terphenyl-d14	*70*		*45 - 134*	*08/20/25 13:30*	*08/20/25 21:26*	*1*

Client Sample ID: WS9-0

Lab Sample ID: 590-32659-11

Date Collected: 08/14/25 15:12
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 27.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1500		34	14	mg/Kg	☼	08/21/25 12:43	08/22/25 05:49	1
Residual Range Organics (RRO) (C25-C36)	670		86	17	mg/Kg	☼	08/21/25 12:43	08/22/25 05:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*08/21/25 12:43*	*08/22/25 05:49*	*1*
n-Triacontane-d62	*77*		*50 - 150*	*08/21/25 12:43*	*08/22/25 05:49*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.2		1.9	0.31	mg/Kg	☼	08/26/25 12:36	08/27/25 12:20	5
Chromium	22		1.9	1.5	mg/Kg	☼	08/26/25 12:36	08/27/25 12:20	5
Copper	28		1.9	0.36	mg/Kg	☼	08/26/25 12:36	08/27/25 12:20	5
Lead	11		1.9	1.1	mg/Kg	☼	08/26/25 12:36	08/27/25 12:20	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		2.9	0.61	mg/Kg	☼	08/26/25 18:48	08/27/25 00:29	1
Carbon, Total Organic (SW846 9060A)	160000		1800	1200	mg/Kg	☼	08/21/25 13:15	08/22/25 15:14	1

Client Sample ID: Sed1

Lab Sample ID: 590-32659-12

Date Collected: 08/14/25 14:02
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 17.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		1.3	0.38	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Chloromethane	ND		6.7	0.56	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Vinyl chloride	ND		0.80	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Bromomethane	ND		6.7	0.44	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Chloroethane	ND		2.7	0.75	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Trichlorofluoromethane	ND		2.7	0.44	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1-Dichloroethene	ND		1.3	0.46	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Methylene Chloride	ND		4.7	2.7	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
trans-1,2-Dichloroethene	ND		1.3	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1-Dichloroethane	ND		1.3	0.35	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
2,2-Dichloropropane	ND		1.3	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
cis-1,2-Dichloroethene	ND		1.3	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Bromochloromethane	ND		1.3	0.53	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Chloroform	ND		1.3	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1,1-Trichloroethane	ND		1.3	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Carbon tetrachloride	ND		1.3	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1-Dichloropropene	ND		1.3	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Benzene	ND		0.27	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2-Dichloroethane (EDC)	ND		1.3	0.29	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Trichloroethene	ND		0.33	0.10	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2-Dichloropropane	ND		1.6	0.40	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Dibromomethane	ND		1.3	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Bromodichloromethane	ND		1.3	0.83	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1

Client Sample ID: Sed1
Date Collected: 08/14/25 14:02
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-12
Matrix: Solid
Percent Solids: 17.2

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,3-Dichloropropene	ND		1.3	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Toluene	ND		1.3	0.60	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
trans-1,3-Dichloropropene	ND		1.3	0.35	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1,2-Trichloroethane	ND		1.3	0.47	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Tetrachloroethene	ND		0.53	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,3-Dichloropropane	ND		1.3	0.40	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Dibromochloromethane	ND		2.7	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2-Dibromoethane (EDB)	ND		1.3	0.45	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Chlorobenzene	ND		1.3	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Ethylbenzene	ND		1.3	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1,1,2-Tetrachloroethane	ND		1.3	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,1,2,2-Tetrachloroethane	ND		1.3	0.39	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
m-Xylene & p-Xylene	ND		5.3	0.38	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
o-Xylene	**0.53**	**J**	2.7	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Styrene	ND		1.3	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Bromoform	ND		2.7	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Isopropylbenzene	ND		1.3	0.41	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Bromobenzene	ND		1.3	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
N-Propylbenzene	ND		1.3	0.35	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2,3-Trichloropropane	ND		2.7	0.49	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
2-Chlorotoluene	ND		1.3	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,3,5-Trimethylbenzene	**1.2**	**J**	1.3	0.43	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
4-Chlorotoluene	ND		1.3	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
tert-Butylbenzene	ND		1.3	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2,4-Trimethylbenzene	**1.7**		1.3	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
sec-Butylbenzene	**0.39**	**J**	1.3	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,3-Dichlorobenzene	ND		1.3	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
p-Isopropyltoluene	**0.68**	**J**	1.3	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,4-Dichlorobenzene	ND		1.3	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
n-Butylbenzene	**0.91**	**J**	1.3	0.37	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2-Dichlorobenzene	ND		1.3	0.31	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2-Dibromo-3-Chloropropane	ND		6.7	0.80	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2,4-Trichlorobenzene	ND		1.3	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
1,2,3-Trichlorobenzene	ND		1.3	0.45	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Hexachlorobutadiene	ND		1.3	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Naphthalene	**0.85**	**J**	2.7	0.37	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1
Methyl tert-butyl ether	ND		0.67	0.40	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:49*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 129*	*08/25/25 13:12*	*08/26/25 11:49*	*1*
Dibromofluoromethane (Surr)	*105*		*80 - 120*	*08/25/25 13:12*	*08/26/25 11:49*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*79 - 124*	*08/25/25 13:12*	*08/26/25 11:49*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**540**		67	24	mg/Kg	☼	08/25/25 13:12	08/26/25 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 11:49*	*1*

Client Sample ID: Sed1
Date Collected: 08/14/25 14:02
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-12
Matrix: Solid
Percent Solids: 17.2

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**390**		57	12	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
2-Methylnaphthalene	**1000**		57	18	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
1-Methylnaphthalene	**980**		57	13	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Acenaphthylene	ND		57	19	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Acenaphthene	**530**		57	14	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Fluorene	**970**		57	13	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Phenanthrene	**1900**		570	210	ug/Kg	☼	08/20/25 13:30	08/21/25 13:46	10
Anthracene	**1000**		570	110	ug/Kg	☼	08/20/25 13:30	08/21/25 13:46	10
Fluoranthene	ND		570	140	ug/Kg	☼	08/20/25 13:30	08/21/25 13:46	10
Pyrene	**1200**		57	22	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Benzo[a]anthracene	ND		57	12	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Chrysene	**100**		57	8.7	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Benzo[b]fluoranthene	ND		57	20	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Benzo[k]fluoranthene	ND		57	14	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Benzo[a]pyrene	ND		57	24	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Indeno[1,2,3-cd]pyrene	ND		57	17	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Dibenz(a,h)anthracene	ND		57	16	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1
Benzo[g,h,i]perylene	ND		57	13	ug/Kg	☼	08/20/25 13:30	08/20/25 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*94*		*32 - 120*	*08/20/25 13:30*	*08/20/25 21:48*	*1*
Nitrobenzene-d5	*93*		*32 - 120*	*08/20/25 13:30*	*08/21/25 13:46*	*10*
2-Fluorobiphenyl (Surr)	*117*		*41 - 120*	*08/20/25 13:30*	*08/20/25 21:48*	*1*
2-Fluorobiphenyl (Surr)	*102*		*41 - 120*	*08/20/25 13:30*	*08/21/25 13:46*	*10*
p-Terphenyl-d14	*52*		*45 - 134*	*08/20/25 13:30*	*08/20/25 21:48*	*1*
p-Terphenyl-d14	*90*		*45 - 134*	*08/20/25 13:30*	*08/21/25 13:46*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**17000**		580	240	mg/Kg	☼	08/21/25 12:43	08/22/25 06:11	10
Residual Range Organics (RRO) (C25-C36)	**1300**	**J**	1400	290	mg/Kg	☼	08/21/25 12:43	08/22/25 06:11	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*48*	*S1-*	*50 - 150*	*08/21/25 12:43*	*08/22/25 06:11*	*10*
n-Triacontane-d62	*103*		*50 - 150*	*08/21/25 12:43*	*08/22/25 06:11*	*10*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**17000**		58	24	mg/Kg	☼	08/21/25 12:43	08/22/25 10:27	1
Residual Range Organics (RRO) (C25-C36)	**1000**		140	29	mg/Kg	☼	08/21/25 12:43	08/22/25 10:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*24*	*S1-*	*50 - 150*	*08/21/25 12:43*	*08/22/25 10:27*	*1*
n-Triacontane-d62	*101*		*50 - 150*	*08/21/25 12:43*	*08/22/25 10:27*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.9**	**J**	3.1	0.49	mg/Kg	☼	08/26/25 12:36	08/27/25 12:23	5

Client Sample ID: Sed1

Lab Sample ID: 590-32659-12

Date Collected: 08/14/25 14:02

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 17.2

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	18		3.1	2.4	mg/Kg	☼	08/26/25 12:36	08/27/25 12:23	5
Copper	18		3.1	0.57	mg/Kg	☼	08/26/25 12:36	08/27/25 12:23	5
Lead	12		3.1	1.7	mg/Kg	☼	08/26/25 12:36	08/27/25 12:23	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		4.7	0.98	mg/Kg	☼	08/26/25 18:48	08/27/25 00:30	1
Carbon, Total Organic (SW846 9060A)	61000		2900	2000	mg/Kg	☼	08/21/25 13:15	08/22/25 15:39	1

Client Sample ID: Sed2

Lab Sample ID: 590-32659-13

Date Collected: 08/14/25 14:35

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 29.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.72	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Chloromethane	ND		3.6	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Vinyl chloride	ND		0.43	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Bromomethane	ND		3.6	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Chloroethane	ND		1.4	0.41	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Trichlorofluoromethane	ND		1.4	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1-Dichloroethene	ND		0.72	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Methylene Chloride	ND		2.5	1.4	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
trans-1,2-Dichloroethene	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1-Dichloroethane	ND		0.72	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
2,2-Dichloropropane	ND		0.72	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
cis-1,2-Dichloroethene	ND		0.72	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Bromochloromethane	ND		0.72	0.29	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Chloroform	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1,1-Trichloroethane	ND		0.72	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Carbon tetrachloride	ND		0.72	0.079	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1-Dichloropropene	ND		0.72	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Benzene	ND		0.14	0.072	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2-Dichloroethane (EDC)	ND		0.72	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Trichloroethene	ND		0.18	0.055	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2-Dichloropropane	ND		0.87	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Dibromomethane	ND		0.72	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Bromodichloromethane	ND		0.72	0.45	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
cis-1,3-Dichloropropene	ND		0.72	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Toluene	ND		0.72	0.33	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
trans-1,3-Dichloropropene	ND		0.72	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1,2-Trichloroethane	ND		0.72	0.25	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Tetrachloroethene	ND		0.29	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,3-Dichloropropane	ND		0.72	0.21	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Dibromochloromethane	ND		1.4	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2-Dibromoethane (EDB)	ND		0.72	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Chlorobenzene	ND		0.72	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Ethylbenzene	ND		0.72	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,1,1,2-Tetrachloroethane	ND		0.72	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1

Client Sample ID: Sed2
Date Collected: 08/14/25 14:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-13
Matrix: Solid
Percent Solids: 29.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		0.72	0.21	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
m-Xylene & p-Xylene	ND		2.9	0.21	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
o-Xylene	ND		1.4	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Styrene	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Bromoform	ND		1.4	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Isopropylbenzene	ND		0.72	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Bromobenzene	ND		0.72	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
N-Propylbenzene	ND		0.72	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2,3-Trichloropropane	ND		1.4	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
2-Chlorotoluene	ND		0.72	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,3,5-Trimethylbenzene	ND		0.72	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
4-Chlorotoluene	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
tert-Butylbenzene	ND		0.72	0.14	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2,4-Trimethylbenzene	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
sec-Butylbenzene	ND		0.72	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,3-Dichlorobenzene	ND		0.72	0.091	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
p-Isopropyltoluene	ND		0.72	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,4-Dichlorobenzene	ND		0.72	0.15	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
n-Butylbenzene	ND		0.72	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2-Dichlorobenzene	ND		0.72	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2-Dibromo-3-Chloropropane	ND		3.6	0.43	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2,4-Trichlorobenzene	ND		0.72	0.13	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
1,2,3-Trichlorobenzene	ND		0.72	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Hexachlorobutadiene	ND		0.72	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Naphthalene	ND		1.4	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1
Methyl tert-butyl ether	ND		0.36	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*08/25/25 13:12*	*08/26/25 12:33*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 129*	*08/25/25 13:12*	*08/26/25 12:33*	*1*
Dibromofluoromethane (Surr)	*103*		*80 - 120*	*08/25/25 13:12*	*08/26/25 12:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*	*08/25/25 13:12*	*08/26/25 12:33*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		36	13	mg/Kg	☼	08/25/25 13:12	08/26/25 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 12:33*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		34	7.3	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
2-Methylnaphthalene	ND		34	11	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
1-Methylnaphthalene	ND		34	7.5	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Acenaphthylene	ND		34	11	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Acenaphthene	ND		34	8.6	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Fluorene	ND		34	7.5	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Phenanthrene	ND		34	12	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Anthracene	ND		34	6.8	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1

Client Sample ID: Sed2

Lab Sample ID: 590-32659-13

Date Collected: 08/14/25 14:35
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 29.0

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoranthene	ND		34	8.5	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Pyrene	ND		34	13	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Benzo[a]anthracene	ND		34	7.2	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Chrysene	ND		34	5.2	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Benzo[b]fluoranthene	ND		34	12	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Benzo[k]fluoranthene	ND		34	8.5	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Benzo[a]pyrene	ND		34	14	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Indeno[1,2,3-cd]pyrene	ND		34	10	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Dibenz(a,h)anthracene	ND		34	9.6	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1
Benzo[g,h,i]perylene	ND		34	8.0	ug/Kg	☼	08/20/25 13:30	08/20/25 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*71*		*32 - 120*	*08/20/25 13:30*	*08/20/25 22:10*	*1*
2-Fluorobiphenyl (Surr)	*83*		*41 - 120*	*08/20/25 13:30*	*08/20/25 22:10*	*1*
p-Terphenyl-d14	*77*		*45 - 134*	*08/20/25 13:30*	*08/20/25 22:10*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**31**	**J**	34	14	mg/Kg	☼	08/21/25 12:43	08/22/25 06:33	1
Residual Range Organics (RRO) (C25-C36)	**46**	**J**	85	17	mg/Kg	☼	08/21/25 12:43	08/22/25 06:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*08/21/25 12:43*	*08/22/25 06:33*	*1*
n-Triacontane-d62	*81*		*50 - 150*	*08/21/25 12:43*	*08/22/25 06:33*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.0**		1.7	0.26	mg/Kg	☼	08/26/25 12:36	08/27/25 09:39	5
Chromium	**14**		1.7	1.3	mg/Kg	☼	08/26/25 12:36	08/27/25 09:39	5
Copper	**17**		1.7	0.31	mg/Kg	☼	08/26/25 12:36	08/27/25 09:39	5
Lead	**9.2**		1.7	0.91	mg/Kg	☼	08/26/25 12:36	08/27/25 09:39	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent (SW846 7196A)	ND		2.8	0.58	mg/Kg	☼	08/26/25 18:48	08/27/25 00:31	1
Carbon, Total Organic (SW846 9060A)	**28000**		1700	1200	mg/Kg	☼	08/21/25 13:15	08/22/25 16:04	1

Client Sample ID: Sed2 DUP

Lab Sample ID: 590-32659-14

Date Collected: 08/14/25 14:35
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 20.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.98	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Chloromethane	ND		4.9	0.41	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Vinyl chloride	ND		0.59	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Bromomethane	ND		4.9	0.33	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Chloroethane	ND		2.0	0.56	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1

Client Sample ID: Sed2 DUP
Date Collected: 08/14/25 14:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-14
Matrix: Solid
Percent Solids: 20.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	ND		2.0	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1-Dichloroethene	ND		0.98	0.34	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Methylene Chloride	ND		3.4	2.0	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
trans-1,2-Dichloroethene	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1-Dichloroethane	ND		0.98	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
2,2-Dichloropropane	ND		0.98	0.24	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
cis-1,2-Dichloroethene	ND		0.98	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Bromochloromethane	ND		0.98	0.39	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Chloroform	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1,1-Trichloroethane	ND		0.98	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Carbon tetrachloride	ND		0.98	0.11	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1-Dichloropropene	ND		0.98	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Benzene	ND		0.20	0.098	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2-Dichloroethane (EDC)	ND		0.98	0.21	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Trichloroethene	ND		0.25	0.075	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2-Dichloropropane	ND		1.2	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Dibromomethane	ND		0.98	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Bromodichloromethane	ND		0.98	0.61	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
cis-1,3-Dichloropropene	ND		0.98	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Toluene	ND		0.98	0.44	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
trans-1,3-Dichloropropene	ND		0.98	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1,2-Trichloroethane	ND		0.98	0.35	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Tetrachloroethene	ND		0.39	0.17	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,3-Dichloropropane	ND		0.98	0.29	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Dibromochloromethane	ND		2.0	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2-Dibromoethane (EDB)	ND		0.98	0.33	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Chlorobenzene	ND		0.98	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Ethylbenzene	ND		0.98	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1,1,2-Tetrachloroethane	ND		0.98	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,1,2,2-Tetrachloroethane	ND		0.98	0.29	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
m-Xylene & p-Xylene	ND		3.9	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
o-Xylene	ND		2.0	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Styrene	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Bromoform	ND		2.0	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Isopropylbenzene	ND		0.98	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Bromobenzene	ND		0.98	0.22	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
N-Propylbenzene	ND		0.98	0.26	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2,3-Trichloropropane	ND		2.0	0.36	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
2-Chlorotoluene	ND		0.98	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,3,5-Trimethylbenzene	ND		0.98	0.32	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
4-Chlorotoluene	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
tert-Butylbenzene	ND		0.98	0.19	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2,4-Trimethylbenzene	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
sec-Butylbenzene	ND		0.98	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,3-Dichlorobenzene	ND		0.98	0.12	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
p-Isopropyltoluene	ND		0.98	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,4-Dichlorobenzene	ND		0.98	0.20	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
n-Butylbenzene	ND		0.98	0.27	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2-Dichlorobenzene	ND		0.98	0.23	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1

Client Sample ID: Sed2 DUP

Date Collected: 08/14/25 14:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-14

Matrix: Solid
Percent Solids: 20.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	ND		4.9	0.59	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2,4-Trichlorobenzene	ND		0.98	0.18	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
1,2,3-Trichlorobenzene	ND		0.98	0.33	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Hexachlorobutadiene	ND		0.98	0.16	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Naphthalene	ND		2.0	0.28	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1
Methyl tert-butyl ether	ND		0.49	0.30	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 12:55*	*1*
4-Bromofluorobenzene (Surr)	*97*		*66 - 129*	*08/25/25 13:12*	*08/26/25 12:55*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*	*08/25/25 13:12*	*08/26/25 12:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*79 - 124*	*08/25/25 13:12*	*08/26/25 12:55*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		49	18	mg/Kg	☼	08/25/25 13:12	08/26/25 12:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 12:55*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		47	10	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
2-Methylnaphthalene	ND		47	15	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
1-Methylnaphthalene	ND		47	10	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Acenaphthylene	ND		47	16	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Acenaphthene	ND		47	12	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Fluorene	ND		47	10	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Phenanthrene	ND		47	17	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Anthracene	ND		47	9.4	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Fluoranthene	ND		47	12	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Pyrene	ND		47	18	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Benzo[a]anthracene	ND		47	10	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Chrysene	ND		47	7.1	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Benzo[b]fluoranthene	ND		47	16	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Benzo[k]fluoranthene	ND		47	12	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Benzo[a]pyrene	ND		47	20	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Indeno[1,2,3-cd]pyrene	ND		47	14	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Dibenz(a,h)anthracene	ND		47	13	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1
Benzo[g,h,i]perylene	ND		47	11	ug/Kg	☼	08/20/25 13:30	08/20/25 22:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*62*		*32 - 120*	*08/20/25 13:30*	*08/20/25 22:33*	*1*
2-Fluorobiphenyl (Surr)	*72*		*41 - 120*	*08/20/25 13:30*	*08/20/25 22:33*	*1*
p-Terphenyl-d14	*72*		*45 - 134*	*08/20/25 13:30*	*08/20/25 22:33*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**56**		48	20	mg/Kg	☼	08/21/25 12:43	08/22/25 06:54	1

Client Sample ID: Sed2 DUP

Lab Sample ID: 590-32659-14

Date Collected: 08/14/25 14:35
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 20.9

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Residual Range Organics (RRO) (C25-C36)	78	J	120	24	mg/Kg	☼	08/21/25 12:43	08/22/25 06:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*08/21/25 12:43*	*08/22/25 06:54*	*1*
n-Triacontane-d62	*88*		*50 - 150*	*08/21/25 12:43*	*08/22/25 06:54*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.2	J	2.3	0.36	mg/Kg	☼	08/26/25 14:55	08/27/25 10:16	5
Chromium	13		2.3	1.7	mg/Kg	☼	08/26/25 14:55	08/27/25 10:16	5
Copper	19		2.3	0.42	mg/Kg	☼	08/26/25 14:55	08/27/25 10:16	5
Lead	11		2.3	1.2	mg/Kg	☼	08/26/25 14:55	08/27/25 10:16	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic (SW846 9060A)	40000		2400	1600	mg/Kg	☼	08/21/25 13:15	08/22/25 16:29	1

Client Sample ID: EB1-Soil

Lab Sample ID: 590-32659-15

Date Collected: 08/14/25 10:23
Matrix: Water
Date Received: 08/19/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 19:12	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 19:12	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 19:12	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 19:12	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 19:12	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 19:12	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:12	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 19:12	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:12	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 19:12	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 19:12	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 19:12	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 19:12	1
Chloroform	1.1		1.0	0.24	ug/L			08/21/25 19:12	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 19:12	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 19:12	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 19:12	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 19:12	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 19:12	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:12	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 19:12	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 19:12	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 19:12	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 19:12	1
Toluene	ND		1.0	0.31	ug/L			08/21/25 19:12	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 19:12	1

Client Sample ID: EB1-Soil
Date Collected: 08/14/25 10:23
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-15
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 19:12	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 19:12	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 19:12	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 19:12	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 19:12	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 19:12	1
Ethylbenzene	**0.39**	**J**	1.0	0.20	ug/L			08/21/25 19:12	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 19:12	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 19:12	1
m-Xylene & p-Xylene	**0.54**	**J**	2.0	0.28	ug/L			08/21/25 19:12	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 19:12	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 19:12	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 19:12	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 19:12	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 19:12	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 19:12	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 19:12	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 19:12	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 19:12	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 19:12	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 19:12	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 19:12	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 19:12	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 19:12	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 19:12	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 19:12	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 19:12	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 19:12	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 19:12	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 19:12	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 19:12	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 19:12	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 19:12	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 19:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/21/25 19:12*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*08/21/25 19:12*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/21/25 19:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/21/25 19:12*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.092	0.054	ug/L		08/21/25 08:47	08/21/25 15:15	1
2-Methylnaphthalene	**0.058**	**J**	0.092	0.045	ug/L		08/21/25 08:47	08/21/25 15:15	1
1-Methylnaphthalene	**0.041**	**J**	0.092	0.023	ug/L		08/21/25 08:47	08/21/25 15:15	1
Acenaphthylene	ND		0.092	0.016	ug/L		08/21/25 08:47	08/21/25 15:15	1
Acenaphthene	ND		0.092	0.022	ug/L		08/21/25 08:47	08/21/25 15:15	1
Fluorene	ND		0.092	0.016	ug/L		08/21/25 08:47	08/21/25 15:15	1
Phenanthrene	ND		0.092	0.044	ug/L		08/21/25 08:47	08/21/25 15:15	1

Client Sample ID: EB1-Soil

Lab Sample ID: 590-32659-15

Date Collected: 08/14/25 10:23

Matrix: Water

Date Received: 08/19/25 09:15

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	ND		0.092	0.025	ug/L		08/21/25 08:47	08/21/25 15:15	1
Fluoranthene	ND		0.092	0.044	ug/L		08/21/25 08:47	08/21/25 15:15	1
Pyrene	ND		0.092	0.046	ug/L		08/21/25 08:47	08/21/25 15:15	1
Benzo[a]anthracene	ND		0.092	0.029	ug/L		08/21/25 08:47	08/21/25 15:15	1
Chrysene	ND		0.092	0.018	ug/L		08/21/25 08:47	08/21/25 15:15	1
Benzo[b]fluoranthene	ND		0.092	0.025	ug/L		08/21/25 08:47	08/21/25 15:15	1
Benzo[k]fluoranthene	ND		0.092	0.026	ug/L		08/21/25 08:47	08/21/25 15:15	1
Benzo[a]pyrene	ND		0.092	0.021	ug/L		08/21/25 08:47	08/21/25 15:15	1
Indeno[1,2,3-cd]pyrene	ND		0.092	0.022	ug/L		08/21/25 08:47	08/21/25 15:15	1
Dibenz(a,h)anthracene	ND		0.092	0.026	ug/L		08/21/25 08:47	08/21/25 15:15	1
Benzo[g,h,i]perylene	ND		0.092	0.021	ug/L		08/21/25 08:47	08/21/25 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*56*		*44 - 120*	*08/21/25 08:47*	*08/21/25 15:15*	*1*
2-Fluorobiphenyl (Surr)	*55*		*32 - 120*	*08/21/25 08:47*	*08/21/25 15:15*	*1*
p-Terphenyl-d14	*65*		*39 - 120*	*08/21/25 08:47*	*08/21/25 15:15*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.19	0.11	mg/L		08/21/25 09:04	08/21/25 18:16	1
Residual Range Organics (RRO) (C25-C36)	ND		0.29	0.12	mg/L		08/21/25 09:04	08/21/25 18:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*71*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:16*	*1*
n-Triacontane-d62	*72*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:16*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 10:43	1
Chromium	ND		2.0	0.37	ug/L		08/21/25 14:41	08/22/25 10:43	1
Copper	ND		2.0	0.23	ug/L		08/21/25 14:41	08/22/25 10:43	1
Lead	**0.067**	**J**	1.0	0.059	ug/L		08/21/25 14:41	08/22/25 10:43	1

Client Sample ID: Trip Blank

Lab Sample ID: 590-32659-16

Date Collected: 08/14/25 00:00

Matrix: Solid

Date Received: 08/19/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.099	0.028	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Chloromethane	ND		0.50	0.041	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Bromomethane	ND		0.50	0.033	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Chloroethane	ND		0.20	0.056	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1-Dichloroethene	ND		0.099	0.034	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
trans-1,2-Dichloroethene	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1-Dichloroethane	ND		0.099	0.026	mg/Kg		08/25/25 13:12	08/26/25 13:17	1

Client Sample ID: Trip Blank
Date Collected: 08/14/25 00:00
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-16
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2-Dichloropropane	ND		0.099	0.024	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
cis-1,2-Dichloroethene	ND		0.099	0.021	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Bromochloromethane	ND		0.099	0.040	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Chloroform	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1,1-Trichloroethane	ND		0.099	0.017	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Carbon tetrachloride	ND		0.099	0.011	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1-Dichloropropene	ND		0.099	0.017	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Benzene	ND		0.020	0.0099	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2-Dichloroethane (EDC)	ND		0.099	0.022	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Trichloroethene	ND		0.025	0.0075	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Dibromomethane	ND		0.099	0.022	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Bromodichloromethane	ND		0.099	0.062	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
cis-1,3-Dichloropropene	ND		0.099	0.020	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Toluene	ND		0.099	0.045	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
trans-1,3-Dichloropropene	ND		0.099	0.026	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1,2-Trichloroethane	ND		0.099	0.035	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Tetrachloroethene	ND		0.040	0.017	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,3-Dichloropropane	ND		0.099	0.029	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2-Dibromoethane (EDB)	ND		0.099	0.033	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Chlorobenzene	ND		0.099	0.021	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Ethylbenzene	ND		0.099	0.016	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1,1,2-Tetrachloroethane	ND		0.099	0.019	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,1,2,2-Tetrachloroethane	ND		0.099	0.029	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
m-Xylene & p-Xylene	ND		0.40	0.028	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Styrene	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Bromoform	ND		0.20	0.019	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Isopropylbenzene	ND		0.099	0.031	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Bromobenzene	ND		0.099	0.022	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
N-Propylbenzene	ND		0.099	0.026	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2,3-Trichloropropane	ND		0.20	0.036	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
2-Chlorotoluene	ND		0.099	0.016	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,3,5-Trimethylbenzene	ND		0.099	0.032	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
4-Chlorotoluene	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
tert-Butylbenzene	ND		0.099	0.019	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2,4-Trimethylbenzene	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
sec-Butylbenzene	ND		0.099	0.018	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,3-Dichlorobenzene	ND		0.099	0.013	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
p-Isopropyltoluene	ND		0.099	0.020	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,4-Dichlorobenzene	ND		0.099	0.020	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
n-Butylbenzene	ND		0.099	0.027	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2-Dichlorobenzene	ND		0.099	0.023	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2,4-Trichlorobenzene	ND		0.099	0.018	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
1,2,3-Trichlorobenzene	ND		0.099	0.033	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Hexachlorobutadiene	ND		0.099	0.016	mg/Kg		08/25/25 13:12	08/26/25 13:17	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/25/25 13:12	08/26/25 13:17	1

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-1

Client Sample ID: Trip Blank
Date Collected: 08/14/25 00:00
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32659-16
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/25/25 13:12	08/26/25 13:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 13:17*	*1*
4-Bromofluorobenzene (Surr)	*100*		*66 - 129*	*08/25/25 13:12*	*08/26/25 13:17*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*08/25/25 13:12*	*08/26/25 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*79 - 124*	*08/25/25 13:12*	*08/26/25 13:17*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-55883/10
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 13:34	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 13:34	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 13:34	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 13:34	1
Chloroethane	ND		2.0	0.40	ug/L			08/21/25 13:34	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 13:34	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 13:34	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 13:34	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 13:34	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 13:34	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 13:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 13:34	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 13:34	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 13:34	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 13:34	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 13:34	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 13:34	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 13:34	1
Toluene	ND		1.0	0.31	ug/L			08/21/25 13:34	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 13:34	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 13:34	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 13:34	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 13:34	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 13:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 13:34	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 13:34	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 13:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 13:34	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 13:34	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 13:34	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 13:34	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 13:34	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 13:34	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 13:34	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 13:34	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 13:34	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 13:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 13:34	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 13:34	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 13:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 13:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-55883/10
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 13:34	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 13:34	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 13:34	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 13:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 13:34	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 13:34	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 13:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/21/25 13:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*		*08/21/25 13:34*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/21/25 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/21/25 13:34*	*1*

Lab Sample ID: LCS 590-55883/1005
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	8.55		ug/L		86	30 - 150
Chloromethane	10.0	9.50		ug/L		95	19 - 150
Vinyl chloride	10.0	8.44		ug/L		84	50 - 150
Bromomethane	10.0	13.1		ug/L		131	66 - 149
Chloroethane	10.0	10.2		ug/L		102	64 - 134
Trichlorofluoromethane	10.0	10.8		ug/L		108	71 - 147
1,1-Dichloroethene	10.0	9.34		ug/L		93	65 - 141
Methylene Chloride	10.0	9.26		ug/L		93	30 - 150
trans-1,2-Dichloroethene	10.0	9.53		ug/L		95	73 - 137
1,1-Dichloroethane	10.0	9.37		ug/L		94	80 - 125
2,2-Dichloropropane	10.0	11.0		ug/L		110	73 - 140
cis-1,2-Dichloroethene	10.0	8.85		ug/L		88	80 - 122
Bromochloromethane	10.0	10.0		ug/L		100	71 - 136
Chloroform	10.0	10.2		ug/L		102	80 - 123
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	71 - 138
Carbon tetrachloride	10.0	10.1		ug/L		101	72 - 138
1,1-Dichloropropene	10.0	9.66		ug/L		97	82 - 123
Benzene	10.0	9.90		ug/L		99	80 - 120
1,2-Dichloroethane (EDC)	10.0	10.0		ug/L		100	80 - 120
Trichloroethene	10.0	10.4		ug/L		104	80 - 123
1,2-Dichloropropane	10.0	9.23		ug/L		92	79 - 122
Dibromomethane	10.0	9.79		ug/L		98	80 - 122
Bromodichloromethane	10.0	9.94		ug/L		99	80 - 120
cis-1,3-Dichloropropene	10.0	9.29		ug/L		93	80 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-55883/1005
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	10.0	9.60		ug/L		96	80 - 129
trans-1,3-Dichloropropene	10.0	10.2		ug/L		102	73 - 138
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 128
Tetrachloroethene	10.0	11.2		ug/L		112	80 - 139
1,3-Dichloropropane	10.0	9.73		ug/L		97	78 - 129
Dibromochloromethane	10.0	10.6		ug/L		106	80 - 130
1,2-Dibromoethane (EDB)	10.0	10.0		ug/L		100	80 - 124
Chlorobenzene	10.0	10.3		ug/L		103	80 - 124
Ethylbenzene	10.0	9.85		ug/L		98	80 - 122
1,1,1,2-Tetrachloroethane	10.0	10.7		ug/L		107	80 - 131
1,1,2,2-Tetrachloroethane	10.0	9.56		ug/L		96	60 - 150
m-Xylene & p-Xylene	10.0	9.70		ug/L		97	80 - 125
o-Xylene	10.0	9.03		ug/L		90	80 - 130
Styrene	10.0	9.34		ug/L		93	79 - 134
Bromoform	10.0	11.0		ug/L		110	73 - 139
Isopropylbenzene	10.0	9.22		ug/L		92	80 - 122
Bromobenzene	10.0	9.44		ug/L		94	73 - 125
N-Propylbenzene	10.0	9.27		ug/L		93	73 - 136
1,2,3-Trichloropropane	10.0	9.36		ug/L		94	65 - 142
2-Chlorotoluene	10.0	9.45		ug/L		94	74 - 129
1,3,5-Trimethylbenzene	10.0	9.47		ug/L		95	76 - 129
4-Chlorotoluene	10.0	9.53		ug/L		95	79 - 125
tert-Butylbenzene	10.0	9.53		ug/L		95	76 - 131
1,2,4-Trimethylbenzene	10.0	9.25		ug/L		92	78 - 131
sec-Butylbenzene	10.0	9.79		ug/L		98	73 - 138
1,3-Dichlorobenzene	10.0	10.2		ug/L		102	80 - 122
p-Isopropyltoluene	10.0	9.25		ug/L		93	78 - 128
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	80 - 120
n-Butylbenzene	10.0	8.77		ug/L		88	75 - 121
1,2-Dichlorobenzene	10.0	9.60		ug/L		96	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	8.86	J	ug/L		89	53 - 142
1,2,4-Trichlorobenzene	10.0	8.10		ug/L		81	76 - 131
1,2,3-Trichlorobenzene	10.0	9.13		ug/L		91	70 - 137
Hexachlorobutadiene	10.0	10.8		ug/L		108	77 - 132
Naphthalene	10.0	6.67		ug/L		67	61 - 140
Methyl tert-butyl ether	10.0	9.60		ug/L		96	68 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-55883/6
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane			10.0	8.83		ug/L		88	30 - 150	3	22
Chloromethane			10.0	9.42		ug/L		94	19 - 150	1	35
Vinyl chloride			10.0	8.78		ug/L		88	50 - 150	4	26
Bromomethane			10.0	13.5		ug/L		135	66 - 149	3	24
Chloroethane			10.0	13.6	*+ *1	ug/L		136	64 - 134	29	24
Trichlorofluoromethane			10.0	10.7		ug/L		107	71 - 147	1	24
1,1-Dichloroethene			10.0	9.38		ug/L		94	65 - 141	0	19
Methylene Chloride			10.0	9.48		ug/L		95	30 - 150	2	25
trans-1,2-Dichloroethene			10.0	9.87		ug/L		99	73 - 137	4	18
1,1-Dichloroethane			10.0	9.40		ug/L		94	80 - 125	0	20
2,2-Dichloropropane			10.0	10.2		ug/L		102	73 - 140	8	18
cis-1,2-Dichloroethene			10.0	8.87		ug/L		89	80 - 122	0	17
Bromochloromethane			10.0	9.83		ug/L		98	71 - 136	2	21
Chloroform			10.0	9.85		ug/L		99	80 - 123	3	18
1,1,1-Trichloroethane			10.0	10.3		ug/L		103	71 - 138	1	17
Carbon tetrachloride			10.0	10.4		ug/L		104	72 - 138	3	28
1,1-Dichloropropene			10.0	9.54		ug/L		95	82 - 123	1	20
Benzene			10.0	9.89		ug/L		99	80 - 120	0	15
1,2-Dichloroethane (EDC)			10.0	10.0		ug/L		100	80 - 120	0	14
Trichloroethene			10.0	10.4		ug/L		104	80 - 123	0	14
1,2-Dichloropropane			10.0	9.49		ug/L		95	79 - 122	3	15
Dibromomethane			10.0	10.0		ug/L		100	80 - 122	2	16
Bromodichloromethane			10.0	10.1		ug/L		101	80 - 120	2	16
cis-1,3-Dichloropropene			10.0	9.39		ug/L		94	80 - 121	1	16
Toluene			10.0	9.31		ug/L		93	80 - 129	3	35
trans-1,3-Dichloropropene			10.0	9.82		ug/L		98	73 - 138	4	17
1,1,2-Trichloroethane			10.0	9.88		ug/L		99	80 - 128	5	15
Tetrachloroethene			10.0	10.8		ug/L		108	80 - 139	3	20
1,3-Dichloropropane			10.0	9.68		ug/L		97	78 - 129	1	17
Dibromochloromethane			10.0	10.1		ug/L		101	80 - 130	5	15
1,2-Dibromoethane (EDB)			10.0	9.65		ug/L		96	80 - 124	4	14
Chlorobenzene			10.0	9.77		ug/L		98	80 - 124	5	14
Ethylbenzene			10.0	9.50		ug/L		95	80 - 122	4	35
1,1,1,2-Tetrachloroethane			10.0	10.1		ug/L		101	80 - 131	6	17
1,1,2,2-Tetrachloroethane			10.0	9.87		ug/L		99	60 - 150	3	17
m-Xylene & p-Xylene			10.0	9.30		ug/L		93	80 - 125	4	35
o-Xylene			10.0	8.61		ug/L		86	80 - 130	5	35
Styrene			10.0	8.86		ug/L		89	79 - 134	5	17
Bromoform			10.0	10.5		ug/L		105	73 - 139	5	17
Isopropylbenzene			10.0	8.71		ug/L		87	80 - 122	6	16
Bromobenzene			10.0	9.41		ug/L		94	73 - 125	0	16
N-Propylbenzene			10.0	9.42		ug/L		94	73 - 136	2	18
1,2,3-Trichloropropane			10.0	9.65		ug/L		96	65 - 142	3	34
2-Chlorotoluene			10.0	9.28		ug/L		93	74 - 129	2	19
1,3,5-Trimethylbenzene			10.0	9.48		ug/L		95	76 - 129	0	17
4-Chlorotoluene			10.0	9.69		ug/L		97	79 - 125	2	16
tert-Butylbenzene			10.0	9.57		ug/L		96	76 - 131	0	18
1,2,4-Trimethylbenzene			10.0	9.28		ug/L		93	78 - 131	0	16

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-55883/6
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene			10.0	9.85		ug/L		99	73 - 138	1	17
1,3-Dichlorobenzene			10.0	10.3		ug/L		103	80 - 122	1	15
p-Isopropyltoluene			10.0	9.42		ug/L		94	78 - 128	2	17
1,4-Dichlorobenzene			10.0	10.1		ug/L		101	80 - 120	0	14
n-Butylbenzene			10.0	8.86		ug/L		89	75 - 121	1	16
1,2-Dichlorobenzene			10.0	10.1		ug/L		101	80 - 120	5	14
1,2-Dibromo-3-Chloropropane			10.0	9.30	J	ug/L		93	53 - 142	5	29
1,2,4-Trichlorobenzene			10.0	8.68		ug/L		87	76 - 131	7	24
1,2,3-Trichlorobenzene			10.0	9.49		ug/L		95	70 - 137	4	30
Hexachlorobutadiene			10.0	10.8		ug/L		108	77 - 132	0	25
Naphthalene			10.0	7.13		ug/L		71	61 - 140	7	25
Methyl tert-butyl ether			10.0	9.64		ug/L		96	68 - 134	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Lab Sample ID: MB 590-55941/1-A
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Chloromethane	ND		0.50	0.042	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Bromomethane	ND		0.50	0.033	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Chloroethane	ND		0.20	0.056	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Chloroform	ND		0.10	0.024	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Benzene	ND		0.020	0.010	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2-Dichloroethane (EDC)	ND		0.10	0.022	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Dibromomethane	ND		0.10	0.022	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		08/25/25 13:12	08/26/25 15:09	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-55941/1-A
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55941

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		0.10	0.045	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
m-Xylene & p-Xylene	ND		0.40	0.029	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
o-Xylene	ND		0.20	0.023	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Styrene	ND		0.10	0.024	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Bromoform	ND		0.20	0.019	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Bromobenzene	ND		0.10	0.022	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
4-Chlorotoluene	ND		0.10	0.023	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Naphthalene	ND		0.20	0.028	mg/Kg		08/25/25 13:12	08/26/25 15:09	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		08/25/25 13:12	08/26/25 15:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*	*08/25/25 13:12*	*08/26/25 15:09*	*1*
4-Bromofluorobenzene (Surr)	*99*		*66 - 129*	*08/25/25 13:12*	*08/26/25 15:09*	*1*
Dibromofluoromethane (Surr)	*104*		*80 - 120*	*08/25/25 13:12*	*08/26/25 15:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*	*08/25/25 13:12*	*08/26/25 15:09*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-55941/2-A
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	0.500	0.395		mg/Kg		79	14 - 120
Chloromethane	0.500	0.427	J	mg/Kg		85	29 - 150
Vinyl chloride	0.500	0.419		mg/Kg		84	38 - 150
Bromomethane	0.500	0.517		mg/Kg		103	39 - 150
Chloroethane	0.500	0.540		mg/Kg		108	38 - 150
Trichlorofluoromethane	0.500	0.526		mg/Kg		105	45 - 150
1,1-Dichloroethene	0.500	0.437		mg/Kg		87	50 - 150
Methylene Chloride	0.500	0.432		mg/Kg		86	42 - 150
trans-1,2-Dichloroethene	0.500	0.437		mg/Kg		87	75 - 140
1,1-Dichloroethane	0.500	0.454		mg/Kg		91	79 - 133
2,2-Dichloropropane	0.500	0.404		mg/Kg		81	50 - 150
cis-1,2-Dichloroethene	0.500	0.459		mg/Kg		92	78 - 132
Bromochloromethane	0.500	0.460		mg/Kg		92	67 - 138
Chloroform	0.500	0.471		mg/Kg		94	80 - 131
1,1,1-Trichloroethane	0.500	0.509		mg/Kg		102	59 - 150
Carbon tetrachloride	0.500	0.529		mg/Kg		106	61 - 150
1,1-Dichloropropene	0.500	0.468		mg/Kg		94	80 - 131
Benzene	0.500	0.490		mg/Kg		98	80 - 128
1,2-Dichloroethane (EDC)	0.500	0.446		mg/Kg		89	77 - 126
Trichloroethene	0.500	0.597		mg/Kg		119	80 - 129
1,2-Dichloropropane	0.500	0.441		mg/Kg		88	71 - 136
Dibromomethane	0.500	0.496		mg/Kg		99	76 - 121
Bromodichloromethane	0.500	0.475		mg/Kg		95	79 - 122
cis-1,3-Dichloropropene	0.500	0.445		mg/Kg		89	71 - 123
Toluene	0.500	0.526		mg/Kg		105	79 - 130
trans-1,3-Dichloropropene	0.500	0.465		mg/Kg		93	68 - 133
1,1,2-Trichloroethane	0.500	0.513		mg/Kg		103	74 - 131
Tetrachloroethene	0.500	0.591		mg/Kg		118	76 - 142
1,3-Dichloropropane	0.500	0.472		mg/Kg		94	73 - 125
Dibromochloromethane	0.500	0.538		mg/Kg		108	70 - 132
1,2-Dibromoethane (EDB)	0.500	0.521		mg/Kg		104	76 - 126
Chlorobenzene	0.500	0.513		mg/Kg		103	80 - 124
Ethylbenzene	0.500	0.503		mg/Kg		101	80 - 127
1,1,1,2-Tetrachloroethane	0.500	0.535		mg/Kg		107	76 - 139
1,1,2,2-Tetrachloroethane	0.500	0.394		mg/Kg		79	66 - 130
m-Xylene & p-Xylene	0.500	0.521		mg/Kg		104	80 - 131
o-Xylene	0.500	0.495		mg/Kg		99	78 - 128
Styrene	0.500	0.491		mg/Kg		98	76 - 128
Bromoform	0.500	0.534		mg/Kg		107	49 - 150
Isopropylbenzene	0.500	0.499		mg/Kg		100	79 - 134
Bromobenzene	0.500	0.443		mg/Kg		89	70 - 129
N-Propylbenzene	0.500	0.466		mg/Kg		93	71 - 136
1,2,3-Trichloropropane	0.500	0.433		mg/Kg		87	61 - 138
2-Chlorotoluene	0.500	0.471		mg/Kg		94	73 - 131
1,3,5-Trimethylbenzene	0.500	0.492		mg/Kg		98	76 - 130
4-Chlorotoluene	0.500	0.473		mg/Kg		95	76 - 128
tert-Butylbenzene	0.500	0.509		mg/Kg		102	74 - 129
1,2,4-Trimethylbenzene	0.500	0.499		mg/Kg		100	78 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-55941/2-A
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55941

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
sec-Butylbenzene			0.500	0.490		mg/Kg		98	78 - 132		
1,3-Dichlorobenzene			0.500	0.516		mg/Kg		103	80 - 121		
p-Isopropyltoluene			0.500	0.495		mg/Kg		99	79 - 128		
1,4-Dichlorobenzene			0.500	0.526		mg/Kg		105	80 - 122		
n-Butylbenzene			0.500	0.457		mg/Kg		91	75 - 128		
1,2-Dichlorobenzene			0.500	0.530		mg/Kg		106	80 - 121		
1,2-Dibromo-3-Chloropropane			0.500	0.424	J	mg/Kg		85	49 - 143		
1,2,4-Trichlorobenzene			0.500	0.533		mg/Kg		107	73 - 129		
1,2,3-Trichlorobenzene			0.500	0.520		mg/Kg		104	72 - 130		
Hexachlorobutadiene			0.500	0.583		mg/Kg		117	75 - 136		
Naphthalene			0.500	0.483		mg/Kg		97	57 - 131		
Methyl tert-butyl ether			0.500	0.460		mg/Kg		92	69 - 132		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*96*		*80 - 120*
4-Bromofluorobenzene (Surr)	*91*		*66 - 129*
Dibromofluoromethane (Surr)	*102*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*

Lab Sample ID: 590-32659-2 MS
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS2-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Dichlorodifluoromethane	ND		0.941	0.814		mg/Kg	☼	87	14 - 120		
Chloromethane	ND		0.941	1.02		mg/Kg	☼	109	29 - 150		
Vinyl chloride	ND		0.941	1.04		mg/Kg	☼	111	38 - 150		
Bromomethane	ND		0.941	1.13		mg/Kg	☼	120	39 - 150		
Chloroethane	ND	F1	0.941	1.65	F1	mg/Kg	☼	176	38 - 150		
Trichlorofluoromethane	ND		0.941	1.23		mg/Kg	☼	130	45 - 150		
1,1-Dichloroethene	ND		0.941	0.851		mg/Kg	☼	90	50 - 150		
Methylene Chloride	ND		0.941	0.778		mg/Kg	☼	83	42 - 150		
trans-1,2-Dichloroethene	ND		0.941	0.827		mg/Kg	☼	88	75 - 140		
1,1-Dichloroethane	ND		0.941	0.886		mg/Kg	☼	94	79 - 133		
2,2-Dichloropropane	ND		0.941	0.772		mg/Kg	☼	82	50 - 150		
cis-1,2-Dichloroethene	ND		0.941	0.878		mg/Kg	☼	93	78 - 132		
Bromochloromethane	ND		0.941	0.749		mg/Kg	☼	80	67 - 138		
Chloroform	ND		0.941	0.922		mg/Kg	☼	98	80 - 131		
1,1,1-Trichloroethane	ND		0.941	1.01		mg/Kg	☼	107	59 - 150		
Carbon tetrachloride	ND		0.941	1.00		mg/Kg	☼	106	61 - 150		
1,1-Dichloropropene	ND		0.941	0.941		mg/Kg	☼	100	80 - 131		
Benzene	ND		0.941	0.919		mg/Kg	☼	98	80 - 128		
1,2-Dichloroethane (EDC)	ND		0.941	0.858		mg/Kg	☼	91	77 - 126		
Trichloroethene	ND		0.941	1.21		mg/Kg	☼	129	80 - 129		
1,2-Dichloropropane	ND		0.941	0.844		mg/Kg	☼	90	71 - 136		
Dibromomethane	ND		0.941	0.954		mg/Kg	☼	101	76 - 121		
Bromodichloromethane	ND		0.941	0.922		mg/Kg	☼	98	79 - 122		
cis-1,3-Dichloropropene	ND		0.941	0.843		mg/Kg	☼	90	71 - 123		

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32659-2 MS
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS2-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	ND		0.941	0.936		mg/Kg	☼	99	79 - 130
trans-1,3-Dichloropropene	ND		0.941	0.854		mg/Kg	☼	91	68 - 133
1,1,2-Trichloroethane	ND		0.941	0.948		mg/Kg	☼	101	74 - 131
Tetrachloroethene	ND		0.941	1.08		mg/Kg	☼	114	76 - 142
1,3-Dichloropropane	ND		0.941	0.867		mg/Kg	☼	92	73 - 125
Dibromochloromethane	ND		0.941	1.02		mg/Kg	☼	108	70 - 132
1,2-Dibromoethane (EDB)	ND		0.941	0.957		mg/Kg	☼	102	76 - 126
Chlorobenzene	ND		0.941	0.938		mg/Kg	☼	100	80 - 124
Ethylbenzene	ND		0.941	0.918		mg/Kg	☼	98	80 - 127
1,1,1,2-Tetrachloroethane	ND		0.941	0.980		mg/Kg	☼	104	76 - 139
1,1,2,2-Tetrachloroethane	ND		0.941	0.681		mg/Kg	☼	72	66 - 130
m-Xylene & p-Xylene	ND		0.941	0.926		mg/Kg	☼	98	80 - 131
o-Xylene	ND		0.941	0.893		mg/Kg	☼	95	78 - 128
Styrene	ND		0.941	0.900		mg/Kg	☼	96	76 - 128
Bromoform	ND		0.941	0.989		mg/Kg	☼	105	49 - 150
Isopropylbenzene	ND		0.941	0.926		mg/Kg	☼	98	79 - 134
Bromobenzene	ND		0.941	0.835		mg/Kg	☼	89	70 - 129
N-Propylbenzene	ND		0.941	0.865		mg/Kg	☼	92	71 - 136
1,2,3-Trichloropropane	ND		0.941	0.797		mg/Kg	☼	85	61 - 138
2-Chlorotoluene	ND		0.941	0.893		mg/Kg	☼	95	73 - 131
1,3,5-Trimethylbenzene	ND		0.941	0.933		mg/Kg	☼	99	76 - 130
4-Chlorotoluene	ND		0.941	0.898		mg/Kg	☼	96	76 - 128
tert-Butylbenzene	ND		0.941	0.971		mg/Kg	☼	103	74 - 129
1,2,4-Trimethylbenzene	ND		0.941	0.908		mg/Kg	☼	97	78 - 128
sec-Butylbenzene	ND		0.941	0.940		mg/Kg	☼	100	78 - 132
1,3-Dichlorobenzene	ND		0.941	0.980		mg/Kg	☼	104	80 - 121
p-Isopropyltoluene	ND		0.941	0.962		mg/Kg	☼	102	79 - 128
1,4-Dichlorobenzene	ND		0.941	0.985		mg/Kg	☼	105	80 - 122
n-Butylbenzene	ND		0.941	0.903		mg/Kg	☼	96	75 - 128
1,2-Dichlorobenzene	ND		0.941	1.00		mg/Kg	☼	106	80 - 121
1,2-Dibromo-3-Chloropropane	ND		0.941	0.813	J	mg/Kg	☼	86	49 - 143
1,2,4-Trichlorobenzene	ND		0.941	1.15		mg/Kg	☼	123	73 - 129
1,2,3-Trichlorobenzene	ND		0.941	1.15		mg/Kg	☼	123	72 - 130
Hexachlorobutadiene	ND	F1	0.941	1.29	F1	mg/Kg	☼	137	75 - 136
Naphthalene	ND		0.941	1.05		mg/Kg	☼	112	57 - 131
Methyl tert-butyl ether	ND		0.941	0.894		mg/Kg	☼	95	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*92*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*66 - 129*
Dibromofluoromethane (Surr)	*104*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32659-2 MSD
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS2-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND		0.941	0.796		mg/Kg	☼	85	14 - 120	2	40
Chloromethane	ND		0.941	1.05		mg/Kg	☼	112	29 - 150	3	40
Vinyl chloride	ND		0.941	1.02		mg/Kg	☼	109	38 - 150	2	40
Bromomethane	ND		0.941	1.11		mg/Kg	☼	118	39 - 150	1	40
Chloroethane	ND	F1	0.941	1.58	F1	mg/Kg	☼	168	38 - 150	5	40
Trichlorofluoromethane	ND		0.941	1.23		mg/Kg	☼	131	45 - 150	1	37
1,1-Dichloroethene	ND		0.941	0.848		mg/Kg	☼	90	50 - 150	0	37
Methylene Chloride	ND		0.941	0.754		mg/Kg	☼	80	42 - 150	3	39
trans-1,2-Dichloroethene	ND		0.941	0.844		mg/Kg	☼	90	75 - 140	2	23
1,1-Dichloroethane	ND		0.941	0.902		mg/Kg	☼	96	79 - 133	2	17
2,2-Dichloropropane	ND		0.941	0.777		mg/Kg	☼	83	50 - 150	1	31
cis-1,2-Dichloroethene	ND		0.941	0.914		mg/Kg	☼	97	78 - 132	4	19
Bromochloromethane	ND		0.941	0.764		mg/Kg	☼	81	67 - 138	2	29
Chloroform	ND		0.941	0.939		mg/Kg	☼	100	80 - 131	2	20
1,1,1-Trichloroethane	ND		0.941	1.01		mg/Kg	☼	108	59 - 150	1	31
Carbon tetrachloride	ND		0.941	1.02		mg/Kg	☼	109	61 - 150	2	36
1,1-Dichloropropene	ND		0.941	0.955		mg/Kg	☼	102	80 - 131	2	20
Benzene	ND		0.941	0.935		mg/Kg	☼	99	80 - 128	2	17
1,2-Dichloroethane (EDC)	ND		0.941	0.869		mg/Kg	☼	92	77 - 126	1	18
Trichloroethene	ND		0.941	1.19		mg/Kg	☼	126	80 - 129	2	17
1,2-Dichloropropane	ND		0.941	0.841		mg/Kg	☼	89	71 - 136	0	22
Dibromomethane	ND		0.941	0.952		mg/Kg	☼	101	76 - 121	0	20
Bromodichloromethane	ND		0.941	0.926		mg/Kg	☼	98	79 - 122	0	20
cis-1,3-Dichloropropene	ND		0.941	0.879		mg/Kg	☼	93	71 - 123	4	20
Toluene	ND		0.941	0.978		mg/Kg	☼	104	79 - 130	4	21
trans-1,3-Dichloropropene	ND		0.941	0.900		mg/Kg	☼	96	68 - 133	5	22
1,1,2-Trichloroethane	ND		0.941	0.990		mg/Kg	☼	105	74 - 131	4	20
Tetrachloroethene	ND		0.941	1.11		mg/Kg	☼	118	76 - 142	3	19
1,3-Dichloropropane	ND		0.941	0.908		mg/Kg	☼	97	73 - 125	5	18
Dibromochloromethane	ND		0.941	1.05		mg/Kg	☼	111	70 - 132	3	20
1,2-Dibromoethane (EDB)	ND		0.941	0.997		mg/Kg	☼	106	76 - 126	4	20
Chlorobenzene	ND		0.941	0.988		mg/Kg	☼	105	80 - 124	5	18
Ethylbenzene	ND		0.941	0.963		mg/Kg	☼	102	80 - 127	5	19
1,1,1,2-Tetrachloroethane	ND		0.941	1.05		mg/Kg	☼	112	76 - 139	7	23
1,1,2,2-Tetrachloroethane	ND		0.941	0.692		mg/Kg	☼	74	66 - 130	2	23
m-Xylene & p-Xylene	ND		0.941	0.966		mg/Kg	☼	103	80 - 131	4	19
o-Xylene	ND		0.941	0.961		mg/Kg	☼	102	78 - 128	7	19
Styrene	ND		0.941	0.873		mg/Kg	☼	93	76 - 128	3	19
Bromoform	ND		0.941	1.06		mg/Kg	☼	113	49 - 150	7	23
Isopropylbenzene	ND		0.941	1.00		mg/Kg	☼	106	79 - 134	8	19
Bromobenzene	ND		0.941	0.850		mg/Kg	☼	90	70 - 129	2	23
N-Propylbenzene	ND		0.941	0.880		mg/Kg	☼	94	71 - 136	2	20
1,2,3-Trichloropropane	ND		0.941	0.791		mg/Kg	☼	84	61 - 138	1	28
2-Chlorotoluene	ND		0.941	0.887		mg/Kg	☼	94	73 - 131	1	21
1,3,5-Trimethylbenzene	ND		0.941	0.920		mg/Kg	☼	98	76 - 130	1	18
4-Chlorotoluene	ND		0.941	0.898		mg/Kg	☼	95	76 - 128	0	20
tert-Butylbenzene	ND		0.941	0.980		mg/Kg	☼	104	74 - 129	1	21
1,2,4-Trimethylbenzene	ND		0.941	0.907		mg/Kg	☼	96	78 - 128	0	19

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32659-2 MSD
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS2-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene	ND		0.941	0.943		mg/Kg	☼	100	78 - 132	0	20
1,3-Dichlorobenzene	ND		0.941	0.998		mg/Kg	☼	106	80 - 121	2	19
p-Isopropyltoluene	ND		0.941	0.961		mg/Kg	☼	102	79 - 128	0	20
1,4-Dichlorobenzene	ND		0.941	0.971		mg/Kg	☼	103	80 - 122	1	18
n-Butylbenzene	ND		0.941	0.901		mg/Kg	☼	96	75 - 128	0	21
1,2-Dichlorobenzene	ND		0.941	1.02		mg/Kg	☼	108	80 - 121	2	21
1,2-Dibromo-3-Chloropropane	ND		0.941	0.829	J	mg/Kg	☼	88	49 - 143	2	33
1,2,4-Trichlorobenzene	ND		0.941	1.16		mg/Kg	☼	124	73 - 129	1	29
1,2,3-Trichlorobenzene	ND		0.941	1.16		mg/Kg	☼	123	72 - 130	0	31
Hexachlorobutadiene	ND	F1	0.941	1.27		mg/Kg	☼	135	75 - 136	2	29
Naphthalene	ND		0.941	1.06		mg/Kg	☼	113	57 - 131	1	34
Methyl tert-butyl ether	ND		0.941	0.899		mg/Kg	☼	96	69 - 132	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*66 - 129*
Dibromofluoromethane (Surr)	*105*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*

Lab Sample ID: 590-32659-1 DU
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS1-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND			ND		mg/Kg	☼			NC	40
Chloromethane	ND			ND		mg/Kg	☼			NC	40
Vinyl chloride	ND			ND		mg/Kg	☼			NC	40
Bromomethane	ND			ND		mg/Kg	☼			NC	40
Chloroethane	ND			ND		mg/Kg	☼			NC	40
Trichlorofluoromethane	ND			ND		mg/Kg	☼			NC	37
1,1-Dichloroethene	ND			ND		mg/Kg	☼			NC	37
Methylene Chloride	ND			ND		mg/Kg	☼			NC	39
trans-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	23
1,1-Dichloroethane	ND			ND		mg/Kg	☼			NC	17
2,2-Dichloropropane	ND			ND		mg/Kg	☼			NC	31
cis-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	19
Bromochloromethane	ND			ND		mg/Kg	☼			NC	29
Chloroform	ND			ND		mg/Kg	☼			NC	20
1,1,1-Trichloroethane	ND			ND		mg/Kg	☼			NC	31
Carbon tetrachloride	ND			ND		mg/Kg	☼			NC	36
1,1-Dichloropropene	ND			ND		mg/Kg	☼			NC	20
Benzene	ND			ND		mg/Kg	☼			NC	17
1,2-Dichloroethane (EDC)	ND			ND		mg/Kg	☼			NC	18
Trichloroethene	ND			ND		mg/Kg	☼			NC	17
1,2-Dichloropropane	ND			ND		mg/Kg	☼			NC	22
Dibromomethane	ND			ND		mg/Kg	☼			NC	20
Bromodichloromethane	ND			ND		mg/Kg	☼			NC	20
cis-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32659-1 DU
Matrix: Solid
Analysis Batch: 55962

Client Sample ID: WS1-0
Prep Type: Total/NA
Prep Batch: 55941

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Toluene	ND			ND		mg/Kg	☼			NC	21
trans-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	22
1,1,2-Trichloroethane	ND			ND		mg/Kg	☼			NC	20
Tetrachloroethene	ND			ND		mg/Kg	☼			NC	19
1,3-Dichloropropane	ND			ND		mg/Kg	☼			NC	18
Dibromochloromethane	ND			ND		mg/Kg	☼			NC	20
1,2-Dibromoethane (EDB)	ND			ND		mg/Kg	☼			NC	20
Chlorobenzene	ND			ND		mg/Kg	☼			NC	18
Ethylbenzene	ND			ND		mg/Kg	☼			NC	19
1,1,1,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	23
1,1,2,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	23
m-Xylene & p-Xylene	ND			ND		mg/Kg	☼			NC	19
o-Xylene	ND			ND		mg/Kg	☼			NC	19
Styrene	ND			ND		mg/Kg	☼			NC	19
Bromoform	ND			ND		mg/Kg	☼			NC	23
Isopropylbenzene	ND			ND		mg/Kg	☼			NC	19
Bromobenzene	ND			ND		mg/Kg	☼			NC	23
N-Propylbenzene	ND			ND		mg/Kg	☼			NC	20
1,2,3-Trichloropropane	ND			ND		mg/Kg	☼			NC	28
2-Chlorotoluene	ND			ND		mg/Kg	☼			NC	21
1,3,5-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	18
4-Chlorotoluene	ND			ND		mg/Kg	☼			NC	20
tert-Butylbenzene	ND			ND		mg/Kg	☼			NC	21
1,2,4-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	19
sec-Butylbenzene	ND			ND		mg/Kg	☼			NC	20
1,3-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	19
p-Isopropyltoluene	ND			ND		mg/Kg	☼			NC	20
1,4-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	18
n-Butylbenzene	ND			ND		mg/Kg	☼			NC	21
1,2-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	21
1,2-Dibromo-3-Chloropropane	ND			ND		mg/Kg	☼			NC	33
1,2,4-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	29
1,2,3-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	31
Hexachlorobutadiene	ND			ND		mg/Kg	☼			NC	29
Naphthalene	ND			ND		mg/Kg	☼			NC	34
Methyl tert-butyl ether	ND			ND		mg/Kg	☼			NC	32

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*100*		*80 - 120*
4-Bromofluorobenzene (Surr)	*93*		*66 - 129*
Dibromofluoromethane (Surr)	*106*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-55941/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55961 — **Prep Batch: 55941**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		08/25/25 13:12	08/26/25 15:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*	*08/25/25 13:12*	*08/26/25 15:09*	*1*

Lab Sample ID: LCS 590-55941/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55961 — **Prep Batch: 55941**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			50.0	47.9		mg/Kg		96	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*94*		*41.5 - 162*

Lab Sample ID: 590-32659-1 DU — **Client Sample ID: WS1-0**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55961 — **Prep Batch: 55941**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Gasoline	ND			ND		mg/Kg	☼			NC	32.3

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*93*		*41.5 - 162*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-55849/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 55852 — **Prep Batch: 55849**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Acenaphthylene	ND		10	3.3	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Acenaphthene	ND		10	2.5	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Fluorene	ND		10	2.2	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Phenanthrene	ND		10	3.6	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Anthracene	ND		10	2.0	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Fluoranthene	ND		10	2.5	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Pyrene	ND		10	3.8	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Chrysene	ND		10	1.5	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		08/20/25 13:30	08/20/25 16:15	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-55849/1-A
Matrix: Solid
Analysis Batch: 55852

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55849

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		08/20/25 13:30	08/20/25 16:15	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		08/20/25 13:30	08/20/25 16:15	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*96*		*32 - 120*	*08/20/25 13:30*	*08/20/25 16:15*	*1*
2-Fluorobiphenyl (Surr)	*93*		*41 - 120*	*08/20/25 13:30*	*08/20/25 16:15*	*1*
p-Terphenyl-d14	*90*		*45 - 134*	*08/20/25 13:30*	*08/20/25 16:15*	*1*

Lab Sample ID: LCS 590-55849/2-A
Matrix: Solid
Analysis Batch: 55852

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55849

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	267	231		ug/Kg		87	37 - 120
2-Methylnaphthalene	267	247		ug/Kg		93	45 - 120
1-Methylnaphthalene	267	247		ug/Kg		92	44 - 120
Acenaphthylene	267	268		ug/Kg		100	52 - 120
Acenaphthene	267	265		ug/Kg		100	52 - 120
Fluorene	267	281		ug/Kg		106	56 - 120
Phenanthrene	267	305		ug/Kg		114	60 - 120
Anthracene	267	261		ug/Kg		98	54 - 120
Fluoranthene	267	298		ug/Kg		112	62 - 120
Pyrene	267	319		ug/Kg		120	58 - 122
Benzo[a]anthracene	267	314		ug/Kg		118	65 - 122
Chrysene	267	242		ug/Kg		91	53 - 120
Benzo[b]fluoranthene	267	260		ug/Kg		98	56 - 122
Benzo[k]fluoranthene	267	298		ug/Kg		112	53 - 120
Benzo[a]pyrene	267	281		ug/Kg		105	56 - 120
Indeno[1,2,3-cd]pyrene	267	287		ug/Kg		108	59 - 120
Dibenz(a,h)anthracene	267	287		ug/Kg		108	59 - 120
Benzo[g,h,i]perylene	267	286		ug/Kg		107	60 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*96*		*32 - 120*
2-Fluorobiphenyl (Surr)	*98*		*41 - 120*
p-Terphenyl-d14	*92*		*45 - 134*

Lab Sample ID: 590-32659-6 MS
Matrix: Solid
Analysis Batch: 55852

Client Sample ID: WS5-0
Prep Type: Total/NA
Prep Batch: 55849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	ND	F2	347	210		ug/Kg	☼	61	37 - 120
2-Methylnaphthalene	ND	F1 F2	347	133	F1	ug/Kg	☼	38	45 - 120
1-Methylnaphthalene	160	F1 F2	347	286	F1	ug/Kg	☼	36	44 - 120
Acenaphthylene	ND	F2	347	320		ug/Kg	☼	92	52 - 120
Acenaphthene	ND	F1 F2	347	797	F1	ug/Kg	☼	230	52 - 120
Fluorene	130	F2	347	510		ug/Kg	☼	111	56 - 120

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-32659-6 MS
Matrix: Solid
Analysis Batch: 55852

Client Sample ID: WS5-0
Prep Type: Total/NA
Prep Batch: 55849

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Phenanthrene	520	F1	347	771		ug/Kg	☼	72	60 - 120
Anthracene	1200	F1	347	586	F1	ug/Kg	☼	-172	54 - 120
Fluoranthene	150	F1 F2	347	746	F1	ug/Kg	☼	173	62 - 120
Pyrene	4500		347	5310	4	ug/Kg	☼	244	58 - 122
Benzo[a]anthracene	110	J	347	371		ug/Kg	☼	76	65 - 122
Chrysene	52	J	347	383		ug/Kg	☼	95	53 - 120
Benzo[b]fluoranthene	ND		347	327		ug/Kg	☼	94	56 - 122
Benzo[k]fluoranthene	ND		347	280		ug/Kg	☼	81	53 - 120
Benzo[a]pyrene	ND		347	302		ug/Kg	☼	87	56 - 120
Indeno[1,2,3-cd]pyrene	ND		347	305		ug/Kg	☼	88	59 - 120
Dibenz(a,h)anthracene	ND		347	303		ug/Kg	☼	87	59 - 120
Benzo[g,h,i]perylene	ND		347	315		ug/Kg	☼	91	60 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*46*		*32 - 120*
2-Fluorobiphenyl (Surr)	*131*	*S1+*	*41 - 120*
p-Terphenyl-d14	*62*		*45 - 134*

Lab Sample ID: 590-32659-6 MSD
Matrix: Solid
Analysis Batch: 55852

Client Sample ID: WS5-0
Prep Type: Total/NA
Prep Batch: 55849

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	ND	F2	342	386	F2	ug/Kg	☼	113	37 - 120	59	35
2-Methylnaphthalene	ND	F1 F2	342	206	F2	ug/Kg	☼	60	45 - 120	43	29
1-Methylnaphthalene	160	F1 F2	342	456	F2	ug/Kg	☼	86	44 - 120	46	28
Acenaphthylene	ND	F2	342	202	F2	ug/Kg	☼	59	52 - 120	45	23
Acenaphthene	ND	F1 F2	342	495	F1 F2	ug/Kg	☼	145	52 - 120	47	22
Fluorene	130	F2	342	407	F2	ug/Kg	☼	82	56 - 120	23	22
Phenanthrene	520	F1	342	678	F1	ug/Kg	☼	45	60 - 120	13	20
Anthracene	1200	F1	342	570	F1	ug/Kg	☼	-179	54 - 120	3	22
Fluoranthene	150	F1 F2	342	308	F1 F2	ug/Kg	☼	47	62 - 120	83	19
Pyrene	4500		342	6160	4	ug/Kg	☼	495	58 - 122	15	16
Benzo[a]anthracene	110	J	342	393		ug/Kg	☼	84	65 - 122	6	21
Chrysene	52	J	342	406		ug/Kg	☼	104	53 - 120	6	16
Benzo[b]fluoranthene	ND		342	308		ug/Kg	☼	90	56 - 122	6	24
Benzo[k]fluoranthene	ND		342	267		ug/Kg	☼	78	53 - 120	5	19
Benzo[a]pyrene	ND		342	294		ug/Kg	☼	86	56 - 120	3	20
Indeno[1,2,3-cd]pyrene	ND		342	322		ug/Kg	☼	94	59 - 120	6	15
Dibenz(a,h)anthracene	ND		342	321		ug/Kg	☼	94	59 - 120	6	15
Benzo[g,h,i]perylene	ND		342	338		ug/Kg	☼	99	60 - 120	7	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*93*		*32 - 120*
2-Fluorobiphenyl (Surr)	*108*		*41 - 120*
p-Terphenyl-d14	*58*		*45 - 134*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-55865/1-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		08/21/25 08:47	08/21/25 14:08	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		08/21/25 08:47	08/21/25 14:08	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		08/21/25 08:47	08/21/25 14:08	1
Acenaphthylene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 14:08	1
Acenaphthene	ND		0.090	0.022	ug/L		08/21/25 08:47	08/21/25 14:08	1
Fluorene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 14:08	1
Phenanthrene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 14:08	1
Anthracene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 14:08	1
Fluoranthene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 14:08	1
Pyrene	ND		0.090	0.045	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[a]anthracene	ND		0.090	0.028	ug/L		08/21/25 08:47	08/21/25 14:08	1
Chrysene	ND		0.090	0.018	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[b]fluoranthene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[k]fluoranthene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[a]pyrene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 14:08	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		08/21/25 08:47	08/21/25 14:08	1
Dibenz(a,h)anthracene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 14:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*73*		*44 - 120*	*08/21/25 08:47*	*08/21/25 14:08*	*1*
2-Fluorobiphenyl (Surr)	*74*		*32 - 120*	*08/21/25 08:47*	*08/21/25 14:08*	*1*
p-Terphenyl-d14	*97*		*39 - 120*	*08/21/25 08:47*	*08/21/25 14:08*	*1*

Lab Sample ID: LCS 590-55865/2-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	1.60	0.958		ug/L		60	47 - 120
2-Methylnaphthalene	1.60	0.951		ug/L		59	46 - 120
1-Methylnaphthalene	1.60	0.970		ug/L		61	49 - 120
Acenaphthylene	1.60	1.07		ug/L		67	56 - 120
Acenaphthene	1.60	1.05		ug/L		66	53 - 120
Fluorene	1.60	1.15		ug/L		72	56 - 120
Phenanthrene	1.60	1.17		ug/L		73	59 - 128
Anthracene	1.60	1.10		ug/L		69	56 - 128
Fluoranthene	1.60	1.22		ug/L		76	58 - 129
Pyrene	1.60	1.25		ug/L		78	61 - 135
Benzo[a]anthracene	1.60	1.25		ug/L		78	62 - 130
Chrysene	1.60	1.09		ug/L		68	57 - 135
Benzo[b]fluoranthene	1.60	1.21		ug/L		75	47 - 136
Benzo[k]fluoranthene	1.60	1.08		ug/L		68	55 - 131
Benzo[a]pyrene	1.60	1.16		ug/L		73	57 - 130
Indeno[1,2,3-cd]pyrene	1.60	1.25		ug/L		78	61 - 121
Dibenz(a,h)anthracene	1.60	1.25		ug/L		78	59 - 127
Benzo[g,h,i]perylene	1.60	1.27		ug/L		79	59 - 129

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-55865/2-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55865

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	60		44 - 120
2-Fluorobiphenyl (Surr)	62		32 - 120
p-Terphenyl-d14	96		39 - 120

Lab Sample ID: LCSD 590-55865/3-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			1.60	1.21		ug/L		76	47 - 120	23	30
2-Methylnaphthalene			1.60	1.21		ug/L		76	46 - 120	24	34
1-Methylnaphthalene			1.60	1.20		ug/L		75	49 - 120	21	32
Acenaphthylene			1.60	1.31		ug/L		82	56 - 120	20	24
Acenaphthene			1.60	1.30		ug/L		81	53 - 120	21	26
Fluorene			1.60	1.36		ug/L		85	56 - 120	17	24
Phenanthrene			1.60	1.34		ug/L		84	59 - 128	14	21
Anthracene			1.60	1.30		ug/L		81	56 - 128	16	25
Fluoranthene			1.60	1.39		ug/L		87	58 - 129	13	24
Pyrene			1.60	1.51		ug/L		94	61 - 135	18	24
Benzo[a]anthracene			1.60	1.37		ug/L		86	62 - 130	9	21
Chrysene			1.60	1.23		ug/L		77	57 - 135	12	20
Benzo[b]fluoranthene			1.60	1.24		ug/L		77	47 - 136	3	27
Benzo[k]fluoranthene			1.60	1.40		ug/L		87	55 - 131	25	28
Benzo[a]pyrene			1.60	1.35		ug/L		85	57 - 130	15	19
Indeno[1,2,3-cd]pyrene			1.60	1.37		ug/L		85	61 - 121	9	20
Dibenz(a,h)anthracene			1.60	1.39		ug/L		87	59 - 127	11	20
Benzo[g,h,i]perylene			1.60	1.40		ug/L		87	59 - 129	10	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Nitrobenzene-d5	85		44 - 120
2-Fluorobiphenyl (Surr)	83		32 - 120
p-Terphenyl-d14	90		39 - 120

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-55836/1-A
Matrix: Solid
Analysis Batch: 55850

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/20/25 09:00	08/20/25 13:50	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/20/25 09:00	08/20/25 13:50	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	81		50 - 150	08/20/25 09:00	08/20/25 13:50	1
n-Triacontane-d62	69		50 - 150	08/20/25 09:00	08/20/25 13:50	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCSD 590-55836/3-A
Matrix: Solid
Analysis Batch: 55850

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			66.7	56.7		mg/Kg		85	50 - 150	0	25
Residual Range Organics (RRO) (C25-C36)			66.7	58.3		mg/Kg		87	50 - 150	1	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*77*		*50 - 150*
n-Triacontane-d62	*81*		*50 - 150*

Lab Sample ID: 580-153120-A-1-C DU
Matrix: Solid
Analysis Batch: 55850

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*
n-Triacontane-d62	*67*		*50 - 150*

Lab Sample ID: MB 590-55866/1-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.20	0.11	mg/L		08/21/25 09:04	08/21/25 14:20	1
Residual Range Organics (RRO) (C25-C36)	ND		0.30	0.12	mg/L		08/21/25 09:04	08/21/25 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*08/21/25 09:04*	*08/21/25 14:20*	*1*
n-Triacontane-d62	*66*		*50 - 150*	*08/21/25 09:04*	*08/21/25 14:20*	*1*

Lab Sample ID: LCS 590-55866/2-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55866

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.11		mg/L		70	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.25		mg/L		78	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*60*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-55866/2-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55866

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-Triacontane-d62	*79*		*50 - 150*

Lab Sample ID: LCSD 590-55866/3-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55866

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.10		mg/L		69	50 - 150	1	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.31		mg/L		82	50 - 150	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*
n-Triacontane-d62	*78*		*50 - 150*

Lab Sample ID: MB 590-55896/1-A
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/21/25 12:43	08/22/25 01:30	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/21/25 12:43	08/22/25 01:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*78*		*50 - 150*	*08/21/25 12:43*	*08/22/25 01:30*	*1*
n-Triacontane-d62	*73*		*50 - 150*	*08/21/25 12:43*	*08/22/25 01:30*	*1*

Lab Sample ID: MB 590-55896/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/21/25 12:43	08/22/25 09:23	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/21/25 12:43	08/22/25 09:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*08/21/25 12:43*	*08/22/25 09:23*	*1*
n-Triacontane-d62	*86*		*50 - 150*	*08/21/25 12:43*	*08/22/25 09:23*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: LCS 590-55896/2-A
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	54.9		mg/Kg		82	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	57.7		mg/Kg		87	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*81*		*50 - 150*
n-Triacontane-d62	*89*		*50 - 150*

Lab Sample ID: LCS 590-55896/2-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55896

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	47.8		mg/Kg		72	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	53.5		mg/Kg		80	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*
n-Triacontane-d62	*95*		*50 - 150*

Lab Sample ID: 590-32659-9 DU
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: WS7-0
Prep Type: Total/NA
Prep Batch: 55896

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	1900			1250	F3	mg/Kg	☼			43	40
Residual Range Organics (RRO) (C25-C36)	510			345		mg/Kg	☼			38	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*102*		*50 - 150*
n-Triacontane-d62	*102*		*50 - 150*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 590-55836/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/20/25 09:00	08/21/25 23:20	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/20/25 09:00	08/21/25 23:20	1

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: MB 590-55836/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55836

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	80		50 - 150	08/20/25 09:00	08/21/25 23:20	1
n-Triacontane-d62	80		50 - 150	08/20/25 09:00	08/21/25 23:20	1

Lab Sample ID: LCS 590-55836/2-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55836

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	57.8		mg/Kg		87	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	61.6		mg/Kg		92	50 - 150		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	87		50 - 150
n-Triacontane-d62	96		50 - 150

Lab Sample ID: LCSD 590-55836/3-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55836

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			66.7	53.2		mg/Kg		80	50 - 150	8	25
Residual Range Organics (RRO) (C25-C36)			66.7	56.3		mg/Kg		84	50 - 150	9	25

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
o-Terphenyl	79		50 - 150
n-Triacontane-d62	85		50 - 150

Lab Sample ID: 590-32613-A-1-D DU
Matrix: Solid
Analysis Batch: 55850

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			ND		mg/Kg	☼			NC	40

Surrogate	DU %Recovery	DU Qualifier	Limits
o-Terphenyl	73		50 - 150
n-Triacontane-d62	68		50 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 570-617027/1-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617027

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.50	0.079	mg/Kg		08/26/25 12:36	08/27/25 11:21	5
Chromium	ND		0.50	0.38	mg/Kg		08/26/25 12:36	08/27/25 11:21	5
Copper	ND		0.50	0.092	mg/Kg		08/26/25 12:36	08/27/25 11:21	5
Lead	ND		0.50	0.28	mg/Kg		08/26/25 12:36	08/27/25 11:21	5

Lab Sample ID: LCS 570-617027/2-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617027

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			193	193		mg/Kg		100	80 - 120		
Chromium			193	215		mg/Kg		111	80 - 120		
Copper			193	200		mg/Kg		103	80 - 120		
Lead			193	211		mg/Kg		109	80 - 120		

Lab Sample ID: LCSD 570-617027/3-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617027

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			197	196		mg/Kg		99	80 - 120	2	20
Chromium			197	216		mg/Kg		110	80 - 120	0	20
Copper			197	204		mg/Kg		104	80 - 120	2	20
Lead			197	220		mg/Kg		112	80 - 120	4	20

Lab Sample ID: 570-243580-A-38-S MS
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 617027

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	2.2		194	194		mg/Kg		99	75 - 125		
Chromium	17		194	225		mg/Kg		107	75 - 125		
Copper	9.2		194	202		mg/Kg		99	75 - 125		
Lead	3.7		194	212		mg/Kg		107	75 - 125		

Lab Sample ID: 570-243580-A-38-T MSD
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 617027

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	2.2		200	203		mg/Kg		100	75 - 125	4	20
Chromium	17		200	235		mg/Kg		109	75 - 125	4	20
Copper	9.2		200	212		mg/Kg		101	75 - 125	5	20
Lead	3.7		200	224		mg/Kg		110	75 - 125	5	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-617145/1-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617145

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.47	0.075	mg/Kg		08/26/25 14:55	08/27/25 09:54	5
Chromium	ND		0.47	0.36	mg/Kg		08/26/25 14:55	08/27/25 09:54	5
Copper	ND		0.47	0.088	mg/Kg		08/26/25 14:55	08/27/25 09:54	5
Lead	ND		0.47	0.26	mg/Kg		08/26/25 14:55	08/27/25 09:54	5

Lab Sample ID: LCS 570-617145/2-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617145

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			190	189		mg/Kg		99	80 - 120		
Chromium			190	205		mg/Kg		108	80 - 120		
Copper			190	195		mg/Kg		102	80 - 120		
Lead			190	210		mg/Kg		110	80 - 120		

Lab Sample ID: LCSD 570-617145/3-A
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617145

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			198	196		mg/Kg		99	80 - 120	4	20
Chromium			198	214		mg/Kg		108	80 - 120	4	20
Copper			198	204		mg/Kg		103	80 - 120	4	20
Lead			198	219		mg/Kg		110	80 - 120	4	20

Lab Sample ID: 570-244015-F-1-B MS
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 617145

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	4.7		199	202		mg/Kg		99	75 - 125		
Chromium	20		199	237		mg/Kg		109	75 - 125		
Copper	20		199	221		mg/Kg		101	75 - 125		
Lead	11		199	236		mg/Kg		113	75 - 125		

Lab Sample ID: 570-244015-F-1-C MSD
Matrix: Solid
Analysis Batch: 617695

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 617145

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	4.7		190	189		mg/Kg		97	75 - 125	7	20
Chromium	20		190	224		mg/Kg		107	75 - 125	6	20
Copper	20		190	234		mg/Kg		112	75 - 125	5	20
Lead	11		190	219		mg/Kg		109	75 - 125	7	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 570-614957/1-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 10:36	1
Chromium	ND		2.0	0.37	ug/L		08/21/25 14:41	08/22/25 10:36	1
Copper	ND		2.0	0.23	ug/L		08/21/25 14:41	08/22/25 10:36	1
Lead	ND		1.0	0.059	ug/L		08/21/25 14:41	08/22/25 10:36	1

Lab Sample ID: LCS 570-614957/2-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			100	96.9		ug/L		97	80 - 120		
Chromium			100	98.8		ug/L		99	80 - 120		
Copper			100	98.2		ug/L		98	80 - 120		
Lead			100	93.4		ug/L		93	80 - 120		

Lab Sample ID: LCSD 570-614957/3-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			100	97.9		ug/L		98	80 - 120	1	20
Chromium			100	101		ug/L		101	80 - 120	2	20
Copper			100	101		ug/L		101	80 - 120	3	20
Lead			100	96.8		ug/L		97	80 - 120	4	20

Lab Sample ID: 590-32659-15 MS
Matrix: Water
Analysis Batch: 615483

Client Sample ID: EB1-Soil
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		100	94.5		ug/L		95	73 - 127		
Chromium	ND		100	97.7		ug/L		98	73 - 133		
Copper	ND		100	97.0		ug/L		97	72 - 108		
Lead	0.067	J	100	90.9		ug/L		91	79 - 121		

Lab Sample ID: 590-32659-15 MSD
Matrix: Water
Analysis Batch: 615483

Client Sample ID: EB1-Soil
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		100	97.2		ug/L		97	73 - 127	3	11
Chromium	ND		100	100		ug/L		100	73 - 133	2	11
Copper	ND		100	98.6		ug/L		99	72 - 108	2	10
Lead	0.067	J	100	92.9		ug/L		93	79 - 121	2	10

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: MB 570-617256/1-A
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 617256

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		0.80	0.17	mg/Kg		08/26/25 18:16	08/27/25 00:01	1

Lab Sample ID: LCS 570-617256/2-A
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 617256

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent			20.0	19.5		mg/Kg		98	80 - 120		

Lab Sample ID: LCSD 570-617256/3-A
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 617256

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent			20.0	19.6		mg/Kg		98	80 - 120	0	20

Lab Sample ID: 590-32659-1 MS
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS1-0
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND	F1	25.8	26.1		mg/Kg	☼	101	75 - 125		

Lab Sample ID: 590-32659-1 MSD
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS1-0
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND	F1	25.8	26.2		mg/Kg	☼	102	75 - 125	1	20

Lab Sample ID: 590-32659-1 MSI
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS1-0
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND	F1	1260	709	F1	mg/Kg	☼	56	75 - 125		

Lab Sample ID: 590-32659-8 MS
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS6-1.5
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chromium, hexavalent	ND	F1	27.5	27.7		mg/Kg	☼	101	75 - 125		

Lab Sample ID: 590-32659-8 MSD
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS6-1.5
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chromium, hexavalent	ND	F1	27.5	28.5		mg/Kg	☼	104	75 - 125	3	20

Method: 7196A - Chromium, Hexavalent

Lab Sample ID: 590-32659-8 MSI
Matrix: Solid
Analysis Batch: 617367

Client Sample ID: WS6-1.5
Prep Type: Total/NA
Prep Batch: 617256

Analyte	Sample Result	Sample Qualifier	Spike Added	MSI Result	MSI Qualifier	Unit	D	%Rec	%Rec Limits
Chromium, hexavalent	ND	F1	1350	955	F1	mg/Kg	☼	71	75 - 125

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 570-614906/1-A
Matrix: Solid
Analysis Batch: 617374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 614906

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Total Organic	ND		500	340	mg/Kg		08/21/25 13:14	08/21/25 19:44	1

Lab Sample ID: LCS 570-614906/3-A
Matrix: Solid
Analysis Batch: 617374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 614906

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	24600	23500		mg/Kg		95	78 - 110
TOC Result 1	24600	23300		mg/Kg		95	78 - 110
TOC Result 2	24600	23600		mg/Kg		96	78 - 110

Lab Sample ID: LCSD 570-614906/5-A
Matrix: Solid
Analysis Batch: 617374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 614906

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	24300	23400		mg/Kg		96	78 - 110	0	16
TOC Result 1	24300	23200		mg/Kg		95	78 - 110	1	16
TOC Result 2	24300	23600		mg/Kg		97	78 - 110	0	16

Lab Sample ID: 570-242218-B-7-K MS
Matrix: Solid
Analysis Batch: 617374

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 614906

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Carbon, Total Organic	4300		24300	28100		mg/Kg		98	75 - 125
TOC Result 1	4600		24300	28200		mg/Kg		97	75 - 125
TOC Result 2	4100		24300	28100		mg/Kg		99	75 - 125

Lab Sample ID: 570-242218-B-7-M MSD
Matrix: Solid
Analysis Batch: 617374

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 614906

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Total Organic	4300		24700	27700		mg/Kg		95	75 - 125	1	25
TOC Result 1	4600		24700	28800		mg/Kg		98	75 - 125	2	25
TOC Result 2	4100		24700	26600		mg/Kg		91	75 - 125	5	25

Client Sample ID: WS1-0

Lab Sample ID: 590-32659-1

Date Collected: 08/14/25 12:03

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS1-0

Lab Sample ID: 590-32659-1

Date Collected: 08/14/25 12:03

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 77.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.55 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 06:14	JSP	EET SPK
Total/NA	Prep	5035			10.55 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 06:14	JSP	EET SPK
Total/NA	Prep	3550C			15.22 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 16:59	NMI	EET SPK
Total/NA	Prep	3550C			15.17 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55850	08/20/25 20:39	NMI	EET SPK
Total/NA	Prep	3051A			0.5971 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 11:44	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:09	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	206.9000 mg	206.9000 mg	617374	08/22/25 10:17	U8XP	EET CAL 4

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.528 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 06:58	JSP	EET SPK
Total/NA	Prep	5035			10.528 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 06:58	JSP	EET SPK
Total/NA	Prep	3550C			15.77 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 17:22	NMI	EET SPK
Total/NA	Prep	3550C			15.47 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55850	08/20/25 21:01	NMI	EET SPK
Total/NA	Prep	3051A			0.5719 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 11:46	C0YH	EET CAL 4

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:14	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	200.6000 mg	200.6000 mg	617374	08/22/25 10:42	U8XP	EET CAL 4

Client Sample ID: WS3-0

Lab Sample ID: 590-32659-3

Date Collected: 08/14/25 13:10

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS3-0

Lab Sample ID: 590-32659-3

Date Collected: 08/14/25 13:10

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 73.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.216 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 08:26	JSP	EET SPK
Total/NA	Prep	5035			11.216 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 08:26	JSP	EET SPK
Total/NA	Prep	3550C			15.10 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 17:44	NMI	EET SPK
Total/NA	Prep	3550C			15.17 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55850	08/20/25 21:23	NMI	EET SPK
Total/NA	Prep	3550C			15.17 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55897	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 00:25	NMI	EET SPK
Total/NA	Prep	3051A			0.5643 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 11:57	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:15	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	199.4000 mg	199.4000 mg	617374	08/22/25 11:06	U8XP	EET CAL 4

Client Sample ID: WS3-0 DUP

Lab Sample ID: 590-32659-4

Date Collected: 08/14/25 13:10

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS3-0 DUP
Lab Sample ID: 590-32659-4
Date Collected: 08/14/25 13:10
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 72.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.902 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 08:48	JSP	EET SPK
Total/NA	Prep	5035			10.902 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 08:48	JSP	EET SPK
Total/NA	Prep	3550C			15.26 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 18:06	NMI	EET SPK
Total/NA	Prep	3550C			15.80 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55850	08/20/25 22:06	NMI	EET SPK
Total/NA	Prep	3550C			15.80 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55897	08/20/25 09:00	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 00:46	NMI	EET SPK
Total/NA	Prep	3051A			0.5907 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:00	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:16	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	205.1000 mg	205.1000 mg	617374	08/22/25 11:31	U8XP	EET CAL 4

Client Sample ID: WS4-0
Lab Sample ID: 590-32659-5
Date Collected: 08/14/25 13:36
Matrix: Solid
Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS4-0
Lab Sample ID: 590-32659-5
Date Collected: 08/14/25 13:36
Matrix: Solid
Date Received: 08/19/25 09:15
Percent Solids: 74.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.046 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 09:10	JSP	EET SPK
Total/NA	Prep	5035			11.046 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 09:10	JSP	EET SPK
Total/NA	Prep	3550C			15.42 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 18:28	NMI	EET SPK
Total/NA	Prep	3550C			15.52 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 02:56	NMI	EET SPK
Total/NA	Prep	3051A			0.4954 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:03	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:17	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	193.5000 mg	193.5000 mg	617374	08/22/25 12:46	U8XP	EET CAL 4

Client Sample ID: WS5-0

Lab Sample ID: 590-32659-6

Date Collected: 08/14/25 13:58

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS5-0

Lab Sample ID: 590-32659-6

Date Collected: 08/14/25 13:58

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 75.6

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.864 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 09:32	JSP	EET SPK
Total/NA	Prep	5035			7.864 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 09:32	JSP	EET SPK
Total/NA	Prep	3550C			15.09 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	55852	08/20/25 18:50	NMI	EET SPK
Total/NA	Prep	3550C			15.49 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		20	1 mL	1 mL	55894	08/22/25 11:31	NMI	EET SPK
Total/NA	Prep	3550C			15.49 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55898	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		20	1 mL	1 mL	55894	08/22/25 11:52	NMI	EET SPK
Total/NA	Prep	3051A			0.4942 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:05	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:20	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	198.1000 mg	198.1000 mg	617374	08/22/25 13:10	U8XP	EET CAL 4

Client Sample ID: WS6-0

Lab Sample ID: 590-32659-7

Date Collected: 08/14/25 14:16

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS6-0

Lab Sample ID: 590-32659-7

Date Collected: 08/14/25 14:16

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.377 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 09:57	JSP	EET SPK
Total/NA	Prep	5035			10.377 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 09:57	JSP	EET SPK
Total/NA	Prep	3550C			15.65 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 19:57	NMI	EET SPK
Total/NA	Prep	3550C			15.22 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 03:40	NMI	EET SPK

Client Sample ID: WS6-0

Lab Sample ID: 590-32659-7

Date Collected: 08/14/25 14:16

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3051A			0.5764 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:08	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:21	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	215.2000 mg	215.2000 mg	617374	08/22/25 13:35	U8XP	EET CAL 4

Client Sample ID: WS6-1.5

Lab Sample ID: 590-32659-8

Date Collected: 08/14/25 15:03

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS6-1.5

Lab Sample ID: 590-32659-8

Date Collected: 08/14/25 15:03

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 72.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.101 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 10:20	JSP	EET SPK
Total/NA	Prep	5035			11.101 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 10:20	JSP	EET SPK
Total/NA	Prep	3550C			15.17 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 20:19	NMI	EET SPK
Total/NA	Prep	3550C			15.66 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 04:01	NMI	EET SPK
Total/NA	Prep	3051A			0.5853 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:11	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:22	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	208.4000 mg	208.4000 mg	617374	08/22/25 14:00	U8XP	EET CAL 4

Client Sample ID: WS7-0

Lab Sample ID: 590-32659-9

Date Collected: 08/14/25 14:34

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS7-0

Lab Sample ID: 590-32659-9

Date Collected: 08/14/25 14:34

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 94.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.977 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 10:42	JSP	EET SPK
Total/NA	Prep	5035			6.977 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 10:42	JSP	EET SPK
Total/NA	Prep	3550C			15.10 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 20:42	NMI	EET SPK
Total/NA	Prep	3550C			15.10 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	55893	08/21/25 13:24	NMI	EET SPK
Total/NA	Prep	3550C			15.54 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	55894	08/22/25 04:23	NMI	EET SPK
Total/NA	Prep	3051A			0.5753 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:14	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:27	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	207.9000 mg	207.9000 mg	617374	08/22/25 14:25	U8XP	EET CAL 4

Client Sample ID: WS8-0

Lab Sample ID: 590-32659-10

Date Collected: 08/14/25 15:27

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS8-0

Lab Sample ID: 590-32659-10

Date Collected: 08/14/25 15:27

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 82.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.022 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 11:04	JSP	EET SPK
Total/NA	Prep	5035			7.022 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 11:04	JSP	EET SPK
Total/NA	Prep	3550C			15.21 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 21:04	NMI	EET SPK
Total/NA	Prep	3550C			15.14 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 05:28	NMI	EET SPK
Total/NA	Prep	3051A			0.5648 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:17	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:28	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	204.1000 mg	204.1000 mg	617374	08/22/25 14:49	U8XP	EET CAL 4

Client Sample ID: WS9-0

Lab Sample ID: 590-32659-11

Date Collected: 08/14/25 15:12

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: WS9-0

Lab Sample ID: 590-32659-11

Date Collected: 08/14/25 15:12

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 27.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.031 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 11:26	JSP	EET SPK
Total/NA	Prep	5035			7.031 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 11:26	JSP	EET SPK
Total/NA	Prep	3550C			15.79 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 21:26	NMI	EET SPK
Total/NA	Prep	3550C			15.79 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 05:49	NMI	EET SPK
Total/NA	Prep	3051A			0.4660 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:20	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:29	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	157.1000 mg	157.1000 mg	617374	08/22/25 15:14	U8XP	EET CAL 4

Client Sample ID: Sed1

Lab Sample ID: 590-32659-12

Date Collected: 08/14/25 14:02

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: Sed1

Lab Sample ID: 590-32659-12

Date Collected: 08/14/25 14:02

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 17.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			6.811 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 11:49	JSP	EET SPK
Total/NA	Prep	5035			6.811 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 11:49	JSP	EET SPK
Total/NA	Prep	3550C			15.27 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 21:48	NMI	EET SPK
Total/NA	Prep	3550C			15.27 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	55893	08/21/25 13:46	NMI	EET SPK
Total/NA	Prep	3550C			15.08 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	55894	08/22/25 06:11	NMI	EET SPK

Client Sample ID: Sed1

Lab Sample ID: 590-32659-12

Date Collected: 08/14/25 14:02

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 17.2

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.08 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55898	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 10:27	NMI	EET SPK
Total/NA	Prep	3051A			0.4688 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 12:23	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:30	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	95.3000 mg	95.3000 mg	617374	08/22/25 15:39	U8XP	EET CAL 4

Client Sample ID: Sed2

Lab Sample ID: 590-32659-13

Date Collected: 08/14/25 14:35

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: Sed2

Lab Sample ID: 590-32659-13

Date Collected: 08/14/25 14:35

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 29.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.229 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 12:33	JSP	EET SPK
Total/NA	Prep	5035			7.229 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 12:33	JSP	EET SPK
Total/NA	Prep	3550C			15.24 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 22:10	NMI	EET SPK
Total/NA	Prep	3550C			15.17 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 06:33	NMI	EET SPK
Total/NA	Prep	3051A			0.5207 g	50 mL	617027	08/26/25 12:36	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 09:39	C0YH	EET CAL 4
Total/NA	Prep	3060A			1.25 g	50 mL	617256	08/26/25 18:48	JXO4	EET CAL 4
Total/NA	Analysis	7196A		1	10 mL	10 mL	617367	08/27/25 00:31	JXO4	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	155.1000 mg	155.1000 mg	617374	08/22/25 16:04	U8XP	EET CAL 4

Client Sample ID: Sed2 DUP

Lab Sample ID: 590-32659-14

Date Collected: 08/14/25 14:35

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			55859	08/20/25 16:47	AMB	EET SPK

Client Sample ID: Sed2 DUP

Lab Sample ID: 590-32659-14

Date Collected: 08/14/25 14:35

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 20.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			7.921 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 12:55	JSP	EET SPK
Total/NA	Prep	5035			7.921 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	55961	08/26/25 12:55	JSP	EET SPK
Total/NA	Prep	3550C			15.34 g	2 mL	55849	08/20/25 13:30	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55852	08/20/25 22:33	NMI	EET SPK
Total/NA	Prep	3550C			15.10 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/22/25 06:54	NMI	EET SPK
Total/NA	Prep	3051A			0.5313 g	50 mL	617145	08/26/25 14:55	SXN8	EET CAL 4
Total/NA	Analysis	6020B		5			617695	08/27/25 10:16	C0YH	EET CAL 4
Total/NA	Prep	TOC					614906	08/21/25 13:15	U8XP	EET CAL 4
Total/NA	Analysis	9060A		1	212.9000 mg	212.9000 mg	617374	08/22/25 16:29	U8XP	EET CAL 4

Client Sample ID: EB1-Soil

Lab Sample ID: 590-32659-15

Date Collected: 08/14/25 10:23

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 19:12	JSP	EET SPK
Total/NA	Prep	3510C			245.5 mL	2 mL	55865	08/21/25 08:47	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55893	08/21/25 15:15	NMI	EET SPK
Total/NA	Prep	3510C			260.3 mL	2 mL	55866	08/21/25 09:04	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/21/25 18:16	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	614957	08/21/25 14:41	F4JD	EET CAL 4
Total Recoverable	Analysis	6020B		1			615483	08/22/25 10:43	C0YH	EET CAL 4

Client Sample ID: Trip Blank

Lab Sample ID: 590-32659-16

Date Collected: 08/14/25 00:00

Matrix: Solid

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			10.078 g	10 mL	55941	08/25/25 13:12	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	55962	08/26/25 13:17	JSP	EET SPK

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET SPK
6020B	Metals (ICP/MS)	SW846	EET CAL 4
7196A	Chromium, Hexavalent	SW846	EET CAL 4
9060A	Organic Carbon, Total (TOC)	SW846	EET CAL 4
Moisture	Percent Moisture	EPA	EET SPK
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4
3051A	Preparation, Metals, Microwave Assisted	SW846	EET CAL 4
3060A	Alkaline Digestion (Chromium, Hexavalent)	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3630C	Silica Gel Cleanup	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
TOC	Preparation, TOC (Solid)	SW846	EET CAL 4

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Josh Owen & Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13506-3642.1
Client Contact: Josh Owen	Phone: 541 387 4427	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: OR	Page: Page 1 of 2 (-10)
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days): Standard			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jowen@msbaenvironmental.com	WO #: Lawrence Oil			
Project Name: Lawrence Oil	Project #: 59002184			
Site: Lawrence Oil	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
A HCL
D HNO3
S H2SO4
GE NH4SO4/NH4OH

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	8260D Standard Analyte List (Full list VOCs)	8260D, NWTPH_Gx_MS	NWTPH_Dx DRO and RRO	8270E_SIM Polycyclic Aromatic Hydrocarbons	6020B (MOD) As, Cr Cu & Pb (Total)	6020B (MOD) Diss As, Cd & Pb (FF)	9060A Standard Water TOC	218.5_Pres_ORGF Hexavalent Chromium	8260D Standard Analyte List	NWTPH-Dx DRO & RRO with Silica Gel Cleanup	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	N	F	A	A	N	D	D	S	GE	A			
WS1-0	8/14/2025	12.03	G	Solid				✓	✓	✓		✓	✓	✓			✓				
WS2-0		12 55		Solid				✓	✓	✓		✓	✓	✓			✓				
WS3-0		13.10		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS3 0 DUP		13 10		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS4-0		13 36		Solid				✓	✓	✓		✓	✓	✓			✓				
WS5-0		13.58		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS6-0		14.16		Solid				✓	✓	✓		✓	✓	✓			✓				
WS6-1.5		15103		Solid				✓	✓	✓		✓	✓	✓			✓				
WS7-0		14.34		Solid				✓	✓	✓		✓	✓	✓			✓				
WSB 0		15 27		Solid				✓	✓	✓		✓	✓	✓			✓				
WS9-0		15 12		Solid				✓	✓	✓		✓	✓	✓			✓				

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

Sample Disposal (A fee may be assessed if samples are
☐ Return To Client ☐ Disposal By Lab ☐

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

Special Instructions/QC Requirements:

590-32659 Chain of Custody

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Owen	8/18/2025	MSBA		8/19/25 8:15	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.4, 4.4, 4.4 2 pkgs

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Josh Owen + Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13506-3642.2
Client Contact: Josh Owen	Phone: 541 387 4422	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: OR	Page: Page 2 of 2 (fw)
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days): Standard			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jowen@msbaenvironmental.com	WO #: Lawrence Oil			
Project Name: Lawrence Oil	Project #: 59002184			
Site: Lawrence Oil	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
A HCL
D HNO3
S H2SO4
GE NH4SO4/NH4OH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	8260D Standard Analyte List (Full list VOCs)	8260D, NWTPH_Gx_MS	NWTPH_Dx DRO and RRO	8270E_SIM Polycyclic Aromatic Hydrocarbons	6020B (MOD) As, Cr, Cu & Pb (Total)	6020B (MOD) Diss As, Cd & Pb (FF)	9060A Standard Water TOC	218.6_Pres_ORGF Hexavalent Chromium	8260D Standard Analyte List	NWTPH-Dx with Silica Gel Cleanup	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	F	N	F	A	A	N	D	D	S	GE	A			
Sed 1	8/14/2025	14 02	G	Solid					✓	✓		✓	✓	✓			✓		✓		
Sed 2		14 35		Solid					✓	✓		✓	✓	✓			✓				
Sed 2 DUP		14:35		Solid					✓	✓		✓	✓	✓							
EB1-Soil		10.23	W	Solid						✓		✓	✓	✓							
Trip Blank				~~Solid~~						✓											
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Owen	8/18/2025	MSBA		8/19/25 9:15	FSI CSP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks:
		4.4, 4.4 + IR gun 4.4, 4.4

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins

Loc: 590
32659

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-11638.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-32659-1
Address: 2841 Dow Avenue, Suite 100,	Due Date Requested: 9/2/2025			Preservation Codes: -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			Other: N/A
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			

Analysis Requested

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A_DW/TOC_S_Prep Total Organic Carbon (TOC)	7196A/3060A Hexavalent Chromium	6020B/3051A(MOD) Custom 6020B Metals List	6020B/3005A(MOD) As, Cr, Cu & Pb	Note:
			Preservation Code:		X	X					
WS1-0 (590-32659-1)	8/14/25	12:03 Pacific	G	Solid			X	X	X		
WS2-0 (590-32659-2)	8/14/25	12:55 Pacific	G	Solid			X	X	X		
WS3-0 (590-32659-3)	8/14/25	13:10 Pacific	G	Solid			X	X	X		
WS3-0 DUP (590-32659-4)	8/14/25	13:10 Pacific	G	Solid			X	X	X		
WS4-0 (590-32659-5)	8/14/25	13:36 Pacific	G	Solid			X	X	X		
WS5-0 (590-32659-6)	8/14/25	13:58 Pacific	G	Solid			X	X	X		
WS6-0 (590-32659-7)	8/14/25	14:16 Pacific	G	Solid			X	X	X		
WS6-1.5 (590-32659-8)	8/14/25	15:03 Pacific	G	Solid			X	X	X		
WS7-0 (590-32659-9)	8/14/25	14:34 Pacific	G	Solid			X	X	X		

590-32659 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/19/25 14:46	ERTSW	[signature]	8/20/25 0940	2
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.1/2.4 SCL

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-11638.2
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 2 of 2
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-32659-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 9/2/2025			Preservation Codes:
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A_DW/TOC_S_PrepTotal Organic Carbon (TOC)	7196A/3060AHexavalent Chromium	6020B/3051A(MOD) Custom 6020B Metals List	6020B/3005A(MOD) As, Cr, Cu & Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
WS8-0 (590-32659-10)	8/14/25	15:27 Pacific	G	Solid			X	X	X		1	
WS9-0 (590-32659-11)	8/14/25	15:12 Pacific	G	Solid			X	X	X		1	
Sed1 (590-32659-12)	8/14/25	14:02 Pacific	G	Solid			X	X	X			
Sed2 (590-32659-13)	8/14/25	14:35 Pacific	G	Solid			X	X	X		1	
Sed2 DUP (590-32659-14)	8/14/25	14:35 Pacific	G	Solid			X		X		1	
EB1-Soil (590-32659-15)	8/14/25	10:23 Pacific	G	Water						X	3	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	*Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)*
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/19/25 1416	ERS	[signature]	8/20/25 0940	OL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.4 5C6

Ver: 10/10/2024

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32659-1

Login Number: 32659

List Source: Eurofins Spokane

List Number: 1

Creator: Desimone, Carson

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

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32659-1

Login Number: 32659
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 08/20/25 02:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2860863
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DRAFT

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 9/11/2025 3:56:55 PM

JOB DESCRIPTION

Lawrence Oil

JOB NUMBER

590-32659-2

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

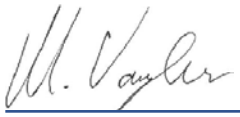
DRAFT

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
9/11/2025 3:56:55 PM

Authorized for release by
Madison Vaughan, Project Management Assistant I
Madison.Vaughan@et.eurofinsus.com
Designee for
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Definitions 6
Client Sample Results 7
QC Sample Results 8
Chronicle 10
Certification Summary 11
Method Summary 12
Chain of Custody 13
Receipt Checklists 15

Job Narrative
590-32659-2

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/19/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4°C and 4.4°C.

Receipt Exceptions
The following samples were activated for NWTPH-Dx w/SGC analysis by the client on 09/03/25: WS2-0 (590-32659-2) and WS9-0 (590-32659-11). This analysis was not originally requested on the chain-of-custody (COC).

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons appear to be due to heavily weathered diesel and/or a light weight oil.

WS9-0 (590-32659-11)

Method NWTPH_Dx: Detected hydrocarbons appear to be due to weathered diesel.

WS2-0 (590-32659-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-32659-2	WS2-0	Solid	08/14/25 12:55	08/19/25 09:15	Oregon
590-32659-11	WS9-0	Solid	08/14/25 15:12	08/19/25 09:15	Oregon

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.7

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	920		14	6.0	mg/Kg	☼	08/20/25 09:00	09/11/25 10:01	1
Residual Range Organics (RRO) (C25-C36)	84		36	7.2	mg/Kg	☼	08/20/25 09:00	09/11/25 10:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*138*		*50 - 150*	*08/20/25 09:00*	*09/11/25 10:01*	*1*
n-Triacontane-d62	*117*		*50 - 150*	*08/20/25 09:00*	*09/11/25 10:01*	*1*

Client Sample ID: WS9-0

Lab Sample ID: 590-32659-11

Date Collected: 08/14/25 15:12

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 27.7

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1800		34	14	mg/Kg	☼	08/21/25 12:43	09/11/25 10:23	1
Residual Range Organics (RRO) (C25-C36)	450		86	17	mg/Kg	☼	08/21/25 12:43	09/11/25 10:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*110*		*50 - 150*	*08/21/25 12:43*	*09/11/25 10:23*	*1*
n-Triacontane-d62	*119*		*50 - 150*	*08/21/25 12:43*	*09/11/25 10:23*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup

Lab Sample ID: MB 590-55836/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55836

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/20/25 09:00	08/21/25 23:20	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/20/25 09:00	08/21/25 23:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*80*		*50 - 150*	*08/20/25 09:00*	*08/21/25 23:20*	*1*
n-Triacontane-d62	*80*		*50 - 150*	*08/20/25 09:00*	*08/21/25 23:20*	*1*

Lab Sample ID: LCS 590-55836/2-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	57.8		mg/Kg		87	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	61.6		mg/Kg		92	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*87*		*50 - 150*
n-Triacontane-d62	*96*		*50 - 150*

Lab Sample ID: LCSD 590-55836/3-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55836

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	66.7	53.2		mg/Kg		80	50 - 150	8	25
Residual Range Organics (RRO) (C25-C36)	66.7	56.3		mg/Kg		84	50 - 150	9	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*79*		*50 - 150*
n-Triacontane-d62	*85*		*50 - 150*

Lab Sample ID: MB 590-55896/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55896

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		08/21/25 12:43	08/22/25 09:23	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		08/21/25 12:43	08/22/25 09:23	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*08/21/25 12:43*	*08/22/25 09:23*	*1*

Method: NWTPH-Dx - Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup (Continued)

Lab Sample ID: MB 590-55896/1-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55896

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-Triacontane-d62	86		50 - 150	08/21/25 12:43	08/22/25 09:23	1

Lab Sample ID: LCS 590-55896/2-B
Matrix: Solid
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55896

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	47.8		mg/Kg		72	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	53.5		mg/Kg		80	50 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl	84		50 - 150
n-Triacontane-d62	95		50 - 150

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Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Client Sample ID: WS2-0

Lab Sample ID: 590-32659-2

Date Collected: 08/14/25 12:55

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 67.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.47 g	5 mL	55836	08/20/25 09:00	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55897	09/11/25 08:28	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56301	09/11/25 10:01	NMI	EET SPK

Client Sample ID: WS9-0

Lab Sample ID: 590-32659-11

Date Collected: 08/14/25 15:12

Matrix: Solid

Date Received: 08/19/25 09:15

Percent Solids: 27.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.79 g	5 mL	55896	08/21/25 12:43	M1M	EET SPK
Total/NA	Cleanup	3630C			1 mL	1 mL	55898	09/11/25 08:43	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56301	09/11/25 10:23	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32659-2

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Semi-Volatile Petroleum Products by NWTPH with Silica Gel Cleanup	NWTPH	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
3630C	Silica Gel Cleanup	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Josh Owen & Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13506-3642.1
Client Contact: Josh Owen	Phone: 541 387 4427	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: OR	Page: Page 1 of 2 (-10)
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days): Standard			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jowen@msbaenvironmental.com	WO #: Lawrence Oil			
Project Name: Lawrence Oil	Project #: 59002184			
Site: Lawrence Oil	SSOW#:			

Analysis Requested

Preservation Codes: N None; F MeOH; A HCL; D HNO3; S H2SO4; GE NH4SO4/NH4OH

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	8260D Standard Analyte List (Full list VOCs)	8260D, NWTPH_Gx_MS	NWTPH_Dx DRO and RRO	8270E_SIM Polycyclic Aromatic Hydrocarbons	6020B (MOD) As, Cr Cu & Pb (Total)	6020B (MOD) Diss As, Cd & Pb (FF)	9060A Standard Water TOC	218.5_Pres_ORGF Hexavalent Chromium	8260D Standard Analyte List	NWTPH-Dx DRO & RRO with Silica Gel Cleanup	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	N	F	A	A	N	D	D	S	GE	A			
WS1-0	8/14/2025	12.03	G	Solid				✓	✓	✓		✓	✓	✓			✓				
WS2-0		12 55		Solid				✓	✓	✓		✓	✓	✓			✓				
WS3-0		13.10		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS3 0 DUP		13 10		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS4-0		13 36		Solid				✓	✓	✓		✓	✓	✓			✓				
WS5-0		13.58		Solid				✓	✓	✓		✓	✓	✓			✓		✓		
WS6-0		14.16		Solid				✓	✓	✓		✓	✓	✓			✓				
WS6-1.5		15103		Solid				✓	✓	✓		✓	✓	✓			✓				
WS7-0		14.34		Solid				✓	✓	✓		✓	✓	✓			✓				
WSB 0		15 27		Solid				✓	✓	✓		✓	✓	✓			✓				
WS9-0		15 12		Solid				✓	✓	✓		✓	✓	✓			✓				

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

Sample Disposal (A fee may be assessed if samples are ☐ Return To Client ☐ Disposal By Lab ☐

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

Special Instructions/QC Requirements:

590-32659 Chain of Custody

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Owen	8/18/2025	MSBA		8/19/25 8:15	
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.4, 4.4, 4.4 2 pkgs

Ver: 10/10/2024

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Josh Owen + Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13506-3642.2
Client Contact: Josh Owen	Phone: 541 387 4422	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: OR	Page: Page 2 of 2 (Rev)
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days): Standard			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jowen@msbaenvironmental.com	WO #: Lawrence Oil			
Project Name: Lawrence Oil	Project #: 59002184			
Site: Lawrence Oil	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
A HCL
D HNO3
S H2SO4
GE NH4SO4/NH4OH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	8260D Standard Analyte List (Full list VOCs)	8260D, NWTPH_Gx_MS	NWTPH_Dx DRO and RRO	8270E_SIM Polycyclic Aromatic Hydrocarbons	6020B (MOD) As, Cr, Cu & Pb (Total)	6020B (MOD) Diss As, Cd & Pb (FF)	9060A Standard Water TOC	218.6_Pres_ORGF Hexavalent Chromium	8260D Standard Analyte List	NWTPH-Dx with Silica Gel Cleanup	Total Number of containers	Special Instructions/Note
			Preservation Code:				N	F	N	F	A	A	N	D	D	S	GE	A			
Sed 1	8/14/2025	14 02	G	Solid					✓	✓		✓	✓	✓			✓		✓		
Sed 2		14 35		Solid					✓	✓		✓	✓	✓			✓				
Sed 2 DUP		14:35		Solid					✓	✓		✓	✓	✓							
EB1-Soil		10.23		Solid						✓		✓	✓	✓							
Trip Blank				~~Solid~~						✓											
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	
				Solid																	

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

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

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

Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Owen	8/18/2025	MSBA		8/19/25 9:15	ESP
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 4.4, 4.4 2 ice packs 4 4 4.4

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32659-2

Login Number: 32659

List Source: Eurofins Spokane

List Number: 1

Creator: Desimone, Carson

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

This receipt checklist is generated for all samples received in this Login. It may not be applicable to all Jobs associated with this Login.

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 10/10/2025 9:28:13 AM Revision 1

JOB DESCRIPTION

Lawrence Oil-St. Helens

JOB NUMBER

590-32822-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

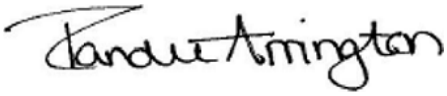
DRAFT

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
10/10/2025 9:28:13 AM
Revision 1

Authorized for release by
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Definitions 7
Client Sample Results 9
QC Sample Results 26
Chronicle 45
Certification Summary 49
Method Summary 50
Chain of Custody 51
Receipt Checklists 52

Job Narrative
590-32822-1

REVISION

The report being provided is a revision of the original report sent on 9/11/2025. The report (revision 1) is being revised due to samples for NWTPH-Dx were switched due to a sequencing error. Corrected results are reflected in the revised report.

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/27/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 4.9°C.

Gasoline Range Organics
Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap. TP2-3 (590-32822-3) and TP4-2 (590-32822-5)

Method NWTPH_Gx_MS: For the following samples, detected hydrocarbons in the gasoline range appear to be due to diesel overlap: TP1-3 (590-32822-1), TP1-3 dup (590-32822-2), TP3-3 (590-32822-4) and TP5-2 (590-32822-6).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA
Method 8260D: Surrogate recovery for the following sample was outside control limits: TP5-2 (590-32822-6). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
Method 8270E_SIM: The matrix spike (MS) recoveries for preparation batch 590-56035 and analytical batch 590-56050 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270E_SIM: Surrogate recovery for the following sample was outside control limits: TP1-3 (590-32822-1). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Method 8270E_SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-56171 and analytical batch 590-56172 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270E_SIM: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-56233 and analytical batch 590-56262 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8270E_SIM: Surrogate recovery for the following samples were outside control limits: TP1-3 dup (590-32822-2) and (590-32822-B-2-B MS). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

Job ID: 590-32822-1 (Continued) — Eurofins Spokane

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the oil range appear to be due to weathered diesel overlap.

TP1-3 dup (590-32822-2), TP2-3 (590-32822-3) and TP4-2 (590-32822-5)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: TP1-3 dup (590-32822-2). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to weathered diesel.

TP1-3 (590-32822-1) and TP3-3 (590-32822-4)

Method NWTPH_Dx: Detected hydrocarbons in the oil range appear to be due to diesel overlap.

TP5-2 (590-32822-6)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: TP5-2 (590-32822-6). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6010D: The post digestion spike % recovery for Lead associated with batch 590-56231 was outside of control limits. The associated sample is: (590-32770-A-34-B PDS).

Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-56214 and analytical batch 590-56231 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010D: The sample duplicate (DUP) precision for preparation batch 590-56214 and analytical batch 590-56231 was outside control limits. Sample matrix interference is suspected.

Method 7471B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 590-56237 and analytical batch 590-56249 were outside control limits for one or more analytes. See QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is within acceptance limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32822-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-32822-1	TP1-3	Solid	08/25/25 09:00	08/27/25 09:15	Oregon
590-32822-2	TP1-3 dup	Solid	08/25/25 09:00	08/27/25 09:15	Oregon
590-32822-3	TP2-3	Solid	08/25/25 09:15	08/27/25 09:15	Oregon
590-32822-4	TP3-3	Solid	08/25/25 09:27	08/27/25 09:15	Oregon
590-32822-5	TP4-2	Solid	08/25/25 09:40	08/27/25 09:15	Oregon
590-32822-6	TP5-2	Solid	08/25/25 09:55	08/27/25 09:15	Oregon
590-32822-7	Trip Blank	Solid	08/25/25 00:00	08/27/25 09:15	Oregon

DRAFT

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC/MS Semi VOA

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1-	Surrogate recovery exceeds control limits, low biased.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL, and the absolute difference between results is < the upper reporting limits for both.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: TP1-3
Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-1
Matrix: Solid
Percent Solids: 73.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.15	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Chloromethane	ND		0.74	0.062	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Vinyl chloride	ND		0.089	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Bromomethane	ND		0.74	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Chloroethane	ND		0.30	0.083	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Trichlorofluoromethane	ND		0.30	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1-Dichloroethene	ND		0.15	0.050	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Methylene Chloride	ND		0.52	0.30	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
trans-1,2-Dichloroethene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1-Dichloroethane	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
2,2-Dichloropropane	ND		0.15	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
cis-1,2-Dichloroethene	ND		0.15	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Bromochloromethane	ND		0.15	0.059	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Chloroform	ND		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1,1-Trichloroethane	ND		0.15	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Carbon tetrachloride	ND		0.15	0.016	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1-Dichloropropene	ND		0.15	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Benzene	ND		0.030	0.015	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2-Dichloroethane (EDC)	ND		0.15	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Trichloroethene	ND		0.037	0.011	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2-Dichloropropane	ND		0.18	0.045	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Dibromomethane	ND		0.15	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Bromodichloromethane	ND		0.15	0.092	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
cis-1,3-Dichloropropene	ND		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Toluene	ND		0.15	0.067	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
trans-1,3-Dichloropropene	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1,2-Trichloroethane	ND		0.15	0.052	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Tetrachloroethene	ND		0.059	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,3-Dichloropropane	ND		0.15	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Dibromochloromethane	ND		0.30	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2-Dibromoethane (EDB)	ND		0.15	0.050	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Chlorobenzene	ND		0.15	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Ethylbenzene	ND		0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1,1,2-Tetrachloroethane	ND		0.15	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,1,2,2-Tetrachloroethane	**0.74**		0.15	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
m-Xylene & p-Xylene	ND		0.59	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
o-Xylene	ND		0.30	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Styrene	ND		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Bromoform	ND		0.30	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Isopropylbenzene	ND		0.15	0.046	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Bromobenzene	ND		0.15	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
N-Propylbenzene	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2,3-Trichloropropane	ND		0.30	0.054	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
2-Chlorotoluene	**0.054**	**J**	0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,3,5-Trimethylbenzene	**0.32**		0.15	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
4-Chlorotoluene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
tert-Butylbenzene	ND		0.15	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2,4-Trimethylbenzene	**0.30**		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
sec-Butylbenzene	**0.078**	**J**	0.15	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1

Client Sample ID: TP1-3
Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-1
Matrix: Solid
Percent Solids: 73.9

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.15	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
p-Isopropyltoluene	**0.56**		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,4-Dichlorobenzene	ND		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
n-Butylbenzene	**0.23**		0.15	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2-Dichlorobenzene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2-Dibromo-3-Chloropropane	**0.72**	**J**	0.74	0.089	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2,4-Trichlorobenzene	**0.060**	**J**	0.15	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
1,2,3-Trichlorobenzene	ND		0.15	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Hexachlorobutadiene	ND		0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Naphthalene	**0.44**		0.30	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1
Methyl tert-butyl ether	ND		0.074	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*	*09/05/25 11:26*	*09/05/25 18:32*	*1*
4-Bromofluorobenzene (Surr)	*111*		*66 - 129*	*09/05/25 11:26*	*09/05/25 18:32*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*79 - 124*	*09/05/25 11:26*	*09/05/25 18:32*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**910**		74	27	mg/Kg	☼	09/05/25 11:26	09/08/25 14:02	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*41.5 - 162*	*09/05/25 11:26*	*09/08/25 14:02*	*10*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**96**		13	2.8	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
2-Methylnaphthalene	**50**		13	4.1	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
1-Methylnaphthalene	**82**		13	2.9	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Acenaphthylene	ND		13	4.4	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Acenaphthene	**82**		13	3.3	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Fluorene	**70**		13	2.9	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Phenanthrene	**91**		13	4.8	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Anthracene	**110**		13	2.6	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Fluoranthene	**240**		13	3.3	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Pyrene	**680**		13	5.0	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Benzo[a]anthracene	**6.9**	**J**	13	2.8	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Chrysene	**4.1**	**J**	13	2.0	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Benzo[b]fluoranthene	ND		13	4.6	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Benzo[k]fluoranthene	ND		13	3.3	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Benzo[a]pyrene	ND		13	5.6	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Indeno[1,2,3-cd]pyrene	ND		13	3.9	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Dibenz(a,h)anthracene	ND		13	3.7	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1
Benzo[g,h,i]perylene	ND		13	3.1	ug/Kg	☼	08/29/25 08:45	08/29/25 17:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*70*		*42 - 110*	*08/29/25 08:45*	*08/29/25 17:04*	*1*
2-Fluorobiphenyl (Surr)	*116*	*S1+*	*49 - 110*	*08/29/25 08:45*	*08/29/25 17:04*	*1*
p-Terphenyl-d14	*76*		*49 - 134*	*08/29/25 08:45*	*08/29/25 17:04*	*1*

Client Sample ID: TP1-3

Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-1

Matrix: Solid
Percent Solids: 73.9

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	4900		140	57	mg/Kg	☼	09/03/25 08:54	09/10/25 05:32	10
Residual Range Organics (RRO) (C25-C36)	140	J	340	68	mg/Kg	☼	09/03/25 08:54	09/10/25 05:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*128*		*50 - 150*	*09/03/25 08:54*	*09/10/25 05:32*	*10*
n-Triacontane-d62	*88*		*50 - 150*	*09/03/25 08:54*	*09/10/25 05:32*	*10*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		12	4.9	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Barium	220		12	3.3	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Cadmium	ND		9.8	2.1	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Chromium	12		12	1.7	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Lead	ND		29	14	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Selenium	ND		49	30	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10
Silver	ND		12	2.8	mg/Kg	☼	09/06/25 12:00	09/06/25 22:53	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	27	J	48	12	ug/Kg	☼	09/08/25 14:07	09/08/25 18:19	1

Client Sample ID: TP1-3 dup

Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-2

Matrix: Solid
Percent Solids: 76.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.13	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Chloromethane	ND		0.64	0.053	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Vinyl chloride	ND		0.077	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Bromomethane	ND		0.64	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Chloroethane	ND		0.26	0.072	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Trichlorofluoromethane	ND		0.26	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1-Dichloroethene	ND		0.13	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Methylene Chloride	ND		0.45	0.26	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
trans-1,2-Dichloroethene	ND		0.13	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1-Dichloroethane	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
2,2-Dichloropropane	ND		0.13	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
cis-1,2-Dichloroethene	ND		0.13	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Bromochloromethane	ND		0.13	0.051	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Chloroform	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1,1-Trichloroethane	ND		0.13	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Carbon tetrachloride	ND		0.13	0.014	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1-Dichloropropene	ND		0.13	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Benzene	ND		0.026	0.013	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2-Dichloroethane (EDC)	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Trichloroethene	ND		0.032	0.0097	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2-Dichloropropane	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Dibromomethane	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1

Client Sample ID: TP1-3 dup

Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-2

Matrix: Solid
Percent Solids: 76.3

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.13	0.079	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
cis-1,3-Dichloropropene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Toluene	ND		0.13	0.058	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
trans-1,3-Dichloropropene	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1,2-Trichloroethane	ND		0.13	0.045	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Tetrachloroethene	ND		0.051	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,3-Dichloropropane	ND		0.13	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Dibromochloromethane	ND		0.26	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2-Dibromoethane (EDB)	ND		0.13	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Chlorobenzene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Ethylbenzene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1,1,2-Tetrachloroethane	ND		0.13	0.025	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,1,2,2-Tetrachloroethane	ND		0.13	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
m-Xylene & p-Xylene	ND		0.51	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
o-Xylene	ND		0.26	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Styrene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Bromoform	ND		0.26	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Isopropylbenzene	ND		0.13	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Bromobenzene	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
N-Propylbenzene	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2,3-Trichloropropane	ND		0.26	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
2-Chlorotoluene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,3,5-Trimethylbenzene	**0.11**	**J**	0.13	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
4-Chlorotoluene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
tert-Butylbenzene	ND		0.13	0.025	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2,4-Trimethylbenzene	**0.097**	**J**	0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
sec-Butylbenzene	**0.039**	**J**	0.13	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,3-Dichlorobenzene	ND		0.13	0.016	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
p-Isopropyltoluene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,4-Dichlorobenzene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
n-Butylbenzene	ND		0.13	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2-Dichlorobenzene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2-Dibromo-3-Chloropropane	ND		0.64	0.077	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2,4-Trichlorobenzene	ND		0.13	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
1,2,3-Trichlorobenzene	ND		0.13	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Hexachlorobutadiene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Naphthalene	ND		0.26	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1
Methyl tert-butyl ether	ND		0.064	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 18:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*97*		*80 - 120*	*09/05/25 11:26*	*09/05/25 18:55*	*1*
4-Bromofluorobenzene (Surr)	*110*		*66 - 129*	*09/05/25 11:26*	*09/05/25 18:55*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 18:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*79 - 124*	*09/05/25 11:26*	*09/05/25 18:55*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**860**		64	23	mg/Kg	☼	09/05/25 11:26	09/08/25 14:27	10

Client Sample ID: TP1-3 dup

Date Collected: 08/25/25 09:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-2

Matrix: Solid
Percent Solids: 76.3

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	99		41.5 - 162	09/05/25 11:26	09/08/25 14:27	10

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**95**	**J F1**	130	27	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
2-Methylnaphthalene	**92**	**J F1**	130	39	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
1-Methylnaphthalene	**130**	**F1**	130	28	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Acenaphthylene	ND		130	42	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Acenaphthene	**52**	**J F1**	130	32	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Fluorene	**32**	**J F1**	130	28	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Phenanthrene	**150**	**F1**	130	45	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Anthracene	**230**	**F1 F2**	130	25	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Fluoranthene	ND	F1 F2	130	31	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Pyrene	**1100**	**F1 F2**	130	48	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Benzo[a]anthracene	ND	F1	130	27	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Chrysene	ND		130	19	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Benzo[b]fluoranthene	ND		130	44	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Benzo[k]fluoranthene	ND	F1	130	31	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Benzo[a]pyrene	ND		130	53	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Indeno[1,2,3-cd]pyrene	ND		130	37	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Dibenz(a,h)anthracene	ND		130	36	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10
Benzo[g,h,i]perylene	ND		130	29	ug/Kg	☼	09/08/25 13:34	09/09/25 15:41	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	118	S1+	42 - 110	09/08/25 13:34	09/09/25 15:41	10
2-Fluorobiphenyl (Surr)	92		49 - 110	09/08/25 13:34	09/09/25 15:41	10
p-Terphenyl-d14	101		49 - 134	09/08/25 13:34	09/09/25 15:41	10

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**4000**		13	5.3	mg/Kg	☼	09/03/25 08:54	09/09/25 00:30	1
Residual Range Organics (RRO) (C25-C36)	**140**		32	6.3	mg/Kg	☼	09/03/25 08:54	09/09/25 00:30	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	27	S1-	50 - 150	09/03/25 08:54	09/09/25 00:30	1
n-Triacontane-d62	96		50 - 150	09/03/25 08:54	09/09/25 00:30	1

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		12	4.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Barium	**160**		12	3.2	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Cadmium	ND		9.5	2.0	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Chromium	**11**	**J**	12	1.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Lead	ND		28	14	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Selenium	ND		47	29	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10
Silver	ND		12	2.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:13	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**	**J**	47	12	ug/Kg	☼	09/08/25 14:07	09/08/25 18:22	1

Client Sample ID: TP2-3
Date Collected: 08/25/25 09:15
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-3
Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.12	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Chloromethane	ND		0.59	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Vinyl chloride	ND		0.070	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Bromomethane	ND		0.59	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Chloroethane	ND		0.23	0.066	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Trichlorofluoromethane	ND		0.23	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1-Dichloroethene	ND		0.12	0.040	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Methylene Chloride	ND		0.41	0.23	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
trans-1,2-Dichloroethene	ND		0.12	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1-Dichloroethane	ND		0.12	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
2,2-Dichloropropane	ND		0.12	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
cis-1,2-Dichloroethene	ND		0.12	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Bromochloromethane	ND		0.12	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Chloroform	ND		0.12	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1,1-Trichloroethane	ND		0.12	0.020	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Carbon tetrachloride	ND		0.12	0.013	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1-Dichloropropene	ND		0.12	0.020	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Benzene	ND		0.023	0.012	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2-Dichloroethane (EDC)	ND		0.12	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Trichloroethene	ND		0.029	0.0089	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2-Dichloropropane	ND		0.14	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Dibromomethane	ND		0.12	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Bromodichloromethane	ND		0.12	0.073	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
cis-1,3-Dichloropropene	ND		0.12	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Toluene	ND		0.12	0.053	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
trans-1,3-Dichloropropene	ND		0.12	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1,2-Trichloroethane	ND		0.12	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Tetrachloroethene	ND		0.047	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,3-Dichloropropane	ND		0.12	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Dibromochloromethane	ND		0.23	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2-Dibromoethane (EDB)	ND		0.12	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Chlorobenzene	ND		0.12	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Ethylbenzene	ND		0.12	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1,1,2-Tetrachloroethane	ND		0.12	0.023	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,1,2,2-Tetrachloroethane	ND		0.12	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
m-Xylene & p-Xylene	ND		0.47	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
o-Xylene	ND		0.23	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Styrene	ND		0.12	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Bromoform	ND		0.23	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Isopropylbenzene	ND		0.12	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Bromobenzene	ND		0.12	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
N-Propylbenzene	ND		0.12	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2,3-Trichloropropane	ND		0.23	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
2-Chlorotoluene	ND		0.12	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,3,5-Trimethylbenzene	ND		0.12	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
4-Chlorotoluene	ND		0.12	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
tert-Butylbenzene	ND		0.12	0.023	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2,4-Trimethylbenzene	**0.15**		0.12	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
sec-Butylbenzene	ND		0.12	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1

Client Sample ID: TP2-3

Date Collected: 08/25/25 09:15
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-3

Matrix: Solid
Percent Solids: 87.4

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.12	0.015	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
p-Isopropyltoluene	ND		0.12	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,4-Dichlorobenzene	ND		0.12	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
n-Butylbenzene	ND		0.12	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2-Dichlorobenzene	ND		0.12	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2-Dibromo-3-Chloropropane	ND		0.59	0.070	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2,4-Trichlorobenzene	ND		0.12	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
1,2,3-Trichlorobenzene	ND		0.12	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Hexachlorobutadiene	ND		0.12	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Naphthalene	ND		0.23	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1
Methyl tert-butyl ether	ND		0.059	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 19:17*	*1*
4-Bromofluorobenzene (Surr)	*104*		*66 - 129*	*09/05/25 11:26*	*09/05/25 19:17*	*1*
Dibromofluoromethane (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*79 - 124*	*09/05/25 11:26*	*09/05/25 19:17*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**370**		5.9	2.1	mg/Kg	☼	09/05/25 11:26	09/05/25 19:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*104*		*41.5 - 162*	*09/05/25 11:26*	*09/05/25 19:17*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**28**		11	2.5	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
2-Methylnaphthalene	**4.3**	**J**	11	3.5	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
1-Methylnaphthalene	**29**		11	2.5	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Acenaphthylene	ND		11	3.8	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Acenaphthene	**43**		11	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Fluorene	**20**		11	2.5	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Phenanthrene	**49**		11	4.1	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Anthracene	**78**		11	2.3	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Fluoranthene	**9.1**	**J**	11	2.8	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Pyrene	**320**		11	4.3	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Benzo[a]anthracene	ND		11	2.4	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Chrysene	**4.1**	**J**	11	1.7	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Benzo[b]fluoranthene	**4.3**	**J**	11	4.0	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Benzo[k]fluoranthene	ND		11	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Benzo[a]pyrene	ND		11	4.8	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Indeno[1,2,3-cd]pyrene	ND		11	3.4	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Dibenz(a,h)anthracene	ND		11	3.2	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1
Benzo[g,h,i]perylene	ND		11	2.7	ug/Kg	☼	09/05/25 08:46	09/05/25 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*42 - 110*	*09/05/25 08:46*	*09/05/25 12:46*	*1*
2-Fluorobiphenyl (Surr)	*86*		*49 - 110*	*09/05/25 08:46*	*09/05/25 12:46*	*1*
p-Terphenyl-d14	*100*		*49 - 134*	*09/05/25 08:46*	*09/05/25 12:46*	*1*

Client Sample ID: TP2-3

Date Collected: 08/25/25 09:15
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-3

Matrix: Solid
Percent Solids: 87.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1000		11	4.6	mg/Kg	☼	09/03/25 08:54	09/09/25 00:52	1
Residual Range Organics (RRO) (C25-C36)	39		28	5.5	mg/Kg	☼	09/03/25 08:54	09/09/25 00:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*121*		*50 - 150*	*09/03/25 08:54*	*09/09/25 00:52*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*09/03/25 08:54*	*09/09/25 00:52*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		9.3	3.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Barium	100		9.3	2.5	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Cadmium	ND		7.4	1.6	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Chromium	8.5	J	9.3	1.3	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Lead	ND		22	11	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Selenium	ND		37	22	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10
Silver	ND		9.3	2.1	mg/Kg	☼	09/06/25 12:00	09/06/25 23:18	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	24	J	48	12	ug/Kg	☼	09/08/25 14:07	09/08/25 18:24	1

Client Sample ID: TP3-3

Date Collected: 08/25/25 09:27
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-4

Matrix: Solid
Percent Solids: 83.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.13	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Chloromethane	ND		0.64	0.053	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Vinyl chloride	ND		0.077	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Bromomethane	ND		0.64	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Chloroethane	ND		0.26	0.072	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Trichlorofluoromethane	ND		0.26	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1-Dichloroethene	ND		0.13	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Methylene Chloride	ND		0.45	0.26	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
trans-1,2-Dichloroethene	ND		0.13	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1-Dichloroethane	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
2,2-Dichloropropane	ND		0.13	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
cis-1,2-Dichloroethene	ND		0.13	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Bromochloromethane	ND		0.13	0.051	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Chloroform	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1,1-Trichloroethane	ND		0.13	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Carbon tetrachloride	ND		0.13	0.014	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1-Dichloropropene	ND		0.13	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Benzene	ND		0.026	0.013	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2-Dichloroethane (EDC)	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Trichloroethene	ND		0.032	0.0097	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2-Dichloropropane	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Dibromomethane	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1

Client Sample ID: TP3-3
Date Collected: 08/25/25 09:27
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-4
Matrix: Solid
Percent Solids: 83.5

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.13	0.079	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
cis-1,3-Dichloropropene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Toluene	ND		0.13	0.058	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
trans-1,3-Dichloropropene	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1,2-Trichloroethane	ND		0.13	0.045	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Tetrachloroethene	ND		0.051	0.022	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,3-Dichloropropane	ND		0.13	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Dibromochloromethane	ND		0.26	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2-Dibromoethane (EDB)	ND		0.13	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Chlorobenzene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Ethylbenzene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1,1,2-Tetrachloroethane	ND		0.13	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,1,2,2-Tetrachloroethane	ND		0.13	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
m-Xylene & p-Xylene	ND		0.51	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
o-Xylene	ND		0.26	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Styrene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Bromoform	ND		0.26	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Isopropylbenzene	ND		0.13	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Bromobenzene	ND		0.13	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
N-Propylbenzene	ND		0.13	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2,3-Trichloropropane	ND		0.26	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
2-Chlorotoluene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,3,5-Trimethylbenzene	**0.62**		0.13	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
4-Chlorotoluene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
tert-Butylbenzene	ND		0.13	0.025	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2,4-Trimethylbenzene	**0.52**		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
sec-Butylbenzene	ND		0.13	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,3-Dichlorobenzene	ND		0.13	0.016	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
p-Isopropyltoluene	**0.58**		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,4-Dichlorobenzene	ND		0.13	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
n-Butylbenzene	ND		0.13	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2-Dichlorobenzene	ND		0.13	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2-Dibromo-3-Chloropropane	ND		0.64	0.077	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2,4-Trichlorobenzene	ND		0.13	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
1,2,3-Trichlorobenzene	ND		0.13	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Hexachlorobutadiene	ND		0.13	0.021	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Naphthalene	ND		0.26	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1
Methyl tert-butyl ether	ND		0.064	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*	*09/05/25 11:26*	*09/05/25 19:40*	*1*
4-Bromofluorobenzene (Surr)	*129*		*66 - 129*	*09/05/25 11:26*	*09/05/25 19:40*	*1*
Dibromofluoromethane (Surr)	*98*		*80 - 120*	*09/05/25 11:26*	*09/05/25 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*79 - 124*	*09/05/25 11:26*	*09/05/25 19:40*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**1700**		64	23	mg/Kg	☼	09/05/25 11:26	09/08/25 14:52	10

Client Sample ID: TP3-3

Date Collected: 08/25/25 09:27
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-4

Matrix: Solid
Percent Solids: 83.5

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	101		41.5 - 162	09/05/25 11:26	09/08/25 14:52	10

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**380**		12	2.5	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
2-Methylnaphthalene	**120**		12	3.6	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
1-Methylnaphthalene	**180**		12	2.6	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Acenaphthylene	**9.4**	**J**	12	3.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Acenaphthene	**83**		12	3.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Fluorene	ND		12	2.6	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Phenanthrene	**160**		12	4.2	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Anthracene	**130**		12	2.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Fluoranthene	**400**		12	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Pyrene	**1200**		12	4.4	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Benzo[a]anthracene	**11**	**J**	12	2.5	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Chrysene	**6.8**	**J**	12	1.8	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Benzo[b]fluoranthene	ND		12	4.1	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Benzo[k]fluoranthene	ND		12	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Benzo[a]pyrene	ND		12	4.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Indeno[1,2,3-cd]pyrene	ND		12	3.5	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Dibenz(a,h)anthracene	ND		12	3.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1
Benzo[g,h,i]perylene	**3.3**	**J**	12	2.7	ug/Kg	☼	09/05/25 08:46	09/05/25 13:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	59		42 - 110	09/05/25 08:46	09/05/25 13:08	1
2-Fluorobiphenyl (Surr)	63		49 - 110	09/05/25 08:46	09/05/25 13:08	1
p-Terphenyl-d14	66		49 - 134	09/05/25 08:46	09/05/25 13:08	1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**5200**		120	49	mg/Kg	☼	09/03/25 08:54	09/10/25 05:54	10
Residual Range Organics (RRO) (C25-C36)	**110**	**J**	290	58	mg/Kg	☼	09/03/25 08:54	09/10/25 05:54	10

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
o-Terphenyl	82		50 - 150	09/03/25 08:54	09/10/25 05:54	10
n-Triacontane-d62	89		50 - 150	09/03/25 08:54	09/10/25 05:54	10

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10	4.1	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Barium	**120**		10	2.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Cadmium	ND		8.2	1.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Chromium	**6.5**	**J**	10	1.5	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Lead	ND		25	12	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Selenium	ND		41	25	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10
Silver	ND		10	2.3	mg/Kg	☼	09/06/25 12:00	09/06/25 23:23	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**35**	**J**	48	12	ug/Kg	☼	09/08/25 14:07	09/08/25 18:27	1

Client Sample ID: TP4-2

Date Collected: 08/25/25 09:40
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-5

Matrix: Solid
Percent Solids: 76.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.15	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Chloromethane	ND		0.74	0.062	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Vinyl chloride	ND		0.089	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Bromomethane	ND		0.74	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Chloroethane	ND		0.30	0.083	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Trichlorofluoromethane	ND		0.30	0.048	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1-Dichloroethene	ND		0.15	0.050	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Methylene Chloride	ND		0.52	0.30	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
trans-1,2-Dichloroethene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1-Dichloroethane	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
2,2-Dichloropropane	ND		0.15	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
cis-1,2-Dichloroethene	ND		0.15	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Bromochloromethane	ND		0.15	0.059	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Chloroform	ND		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1,1-Trichloroethane	ND		0.15	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Carbon tetrachloride	ND		0.15	0.016	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1-Dichloropropene	ND		0.15	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Benzene	ND		0.030	0.015	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2-Dichloroethane (EDC)	ND		0.15	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Trichloroethene	ND		0.037	0.011	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2-Dichloropropane	ND		0.18	0.045	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Dibromomethane	ND		0.15	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Bromodichloromethane	ND		0.15	0.092	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
cis-1,3-Dichloropropene	ND		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Toluene	ND		0.15	0.067	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
trans-1,3-Dichloropropene	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1,2-Trichloroethane	ND		0.15	0.052	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Tetrachloroethene	ND		0.059	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,3-Dichloropropane	ND		0.15	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Dibromochloromethane	ND		0.30	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2-Dibromoethane (EDB)	ND		0.15	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Chlorobenzene	ND		0.15	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Ethylbenzene	ND		0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1,1,2-Tetrachloroethane	ND		0.15	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,1,2,2-Tetrachloroethane	ND		0.15	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
m-Xylene & p-Xylene	ND		0.59	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
o-Xylene	ND		0.30	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Styrene	ND		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Bromoform	ND		0.30	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Isopropylbenzene	ND		0.15	0.046	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Bromobenzene	ND		0.15	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
N-Propylbenzene	ND		0.15	0.039	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2,3-Trichloropropane	ND		0.30	0.054	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
2-Chlorotoluene	ND		0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,3,5-Trimethylbenzene	**0.18**		0.15	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
4-Chlorotoluene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
tert-Butylbenzene	ND		0.15	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2,4-Trimethylbenzene	**0.22**		0.15	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
sec-Butylbenzene	ND		0.15	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1

Client Sample ID: TP4-2

Date Collected: 08/25/25 09:40
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-5

Matrix: Solid
Percent Solids: 76.0

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		0.15	0.019	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
p-Isopropyltoluene	**0.17**		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,4-Dichlorobenzene	ND		0.15	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
n-Butylbenzene	**0.056**	**J**	0.15	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2-Dichlorobenzene	ND		0.15	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2-Dibromo-3-Chloropropane	ND		0.74	0.089	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2,4-Trichlorobenzene	ND		0.15	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
1,2,3-Trichlorobenzene	ND		0.15	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Hexachlorobutadiene	ND		0.15	0.024	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Naphthalene	ND		0.30	0.041	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1
Methyl tert-butyl ether	ND		0.074	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 20:02*	*1*
4-Bromofluorobenzene (Surr)	*117*		*66 - 129*	*09/05/25 11:26*	*09/05/25 20:02*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*	*09/05/25 11:26*	*09/05/25 20:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*79 - 124*	*09/05/25 11:26*	*09/05/25 20:02*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**320**		7.4	2.7	mg/Kg	☼	09/05/25 11:26	09/05/25 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*41.5 - 162*	*09/05/25 11:26*	*09/05/25 20:02*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**23**		13	2.8	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
2-Methylnaphthalene	**14**		13	4.1	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
1-Methylnaphthalene	**33**		13	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Acenaphthylene	**7.3**	**J**	13	4.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Acenaphthene	**43**		13	3.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Fluorene	**20**		13	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Phenanthrene	**40**		13	4.7	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Anthracene	**62**		13	2.6	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Fluoranthene	**12**	**J**	13	3.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Pyrene	**310**		13	5.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Benzo[a]anthracene	**5.9**	**J**	13	2.8	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Chrysene	**5.1**	**J**	13	2.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Benzo[b]fluoranthene	**9.9**	**J**	13	4.6	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Benzo[k]fluoranthene	ND		13	3.3	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Benzo[a]pyrene	ND		13	5.5	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Indeno[1,2,3-cd]pyrene	**3.9**	**J**	13	3.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Dibenz(a,h)anthracene	ND		13	3.7	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1
Benzo[g,h,i]perylene	**8.6**	**J**	13	3.1	ug/Kg	☼	09/05/25 08:46	09/05/25 13:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*60*		*42 - 110*	*09/05/25 08:46*	*09/05/25 13:30*	*1*
2-Fluorobiphenyl (Surr)	*80*		*49 - 110*	*09/05/25 08:46*	*09/05/25 13:30*	*1*
p-Terphenyl-d14	*91*		*49 - 134*	*09/05/25 08:46*	*09/05/25 13:30*	*1*

Client Sample ID: TP4-2

Date Collected: 08/25/25 09:40
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-5

Matrix: Solid
Percent Solids: 76.0

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1000		13	5.5	mg/Kg	☼	09/03/25 08:54	09/09/25 01:36	1
Residual Range Organics (RRO) (C25-C36)	190		33	6.5	mg/Kg	☼	09/03/25 08:54	09/09/25 01:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*101*		*50 - 150*	*09/03/25 08:54*	*09/09/25 01:36*	*1*
n-Triacontane-d62	*90*		*50 - 150*	*09/03/25 08:54*	*09/09/25 01:36*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		10	4.2	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Barium	60		10	2.8	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Cadmium	ND		8.4	1.8	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Chromium	3.6	J	10	1.5	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Lead	14	J	25	12	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Selenium	ND		42	25	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10
Silver	ND		10	2.4	mg/Kg	☼	09/06/25 12:00	09/06/25 23:29	10

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	98		48	12	ug/Kg	☼	09/08/25 14:07	09/08/25 18:29	1

Client Sample ID: TP5-2

Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6

Matrix: Solid
Percent Solids: 73.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.16	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Chloromethane	ND		0.79	0.066	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Vinyl chloride	ND		0.095	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Bromomethane	ND		0.79	0.052	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Chloroethane	ND		0.32	0.089	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Trichlorofluoromethane	ND		0.32	0.052	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1-Dichloroethene	ND		0.16	0.054	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Methylene Chloride	ND		0.55	0.32	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
trans-1,2-Dichloroethene	ND		0.16	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1-Dichloroethane	ND		0.16	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
2,2-Dichloropropane	ND		0.16	0.038	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
cis-1,2-Dichloroethene	ND		0.16	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Bromochloromethane	ND		0.16	0.063	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Chloroform	ND		0.16	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1,1-Trichloroethane	ND		0.16	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Carbon tetrachloride	ND		0.16	0.017	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1-Dichloropropene	ND		0.16	0.027	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Benzene	ND		0.032	0.016	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2-Dichloroethane (EDC)	ND		0.16	0.034	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Trichloroethene	ND		0.039	0.012	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2-Dichloropropane	ND		0.19	0.048	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Dibromomethane	ND		0.16	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1

Client Sample ID: TP5-2
Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6
Matrix: Solid
Percent Solids: 73.1

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	ND		0.16	0.098	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
cis-1,3-Dichloropropene	ND		0.16	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Toluene	**0.079**	**J**	0.16	0.071	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
trans-1,3-Dichloropropene	ND		0.16	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1,2-Trichloroethane	ND		0.16	0.056	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Tetrachloroethene	ND		0.063	0.028	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,3-Dichloropropane	ND		0.16	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Dibromochloromethane	ND		0.32	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2-Dibromoethane (EDB)	ND		0.16	0.053	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Chlorobenzene	ND		0.16	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Ethylbenzene	**0.69**		0.16	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1,1,2-Tetrachloroethane	ND		0.16	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,1,2,2-Tetrachloroethane	ND		0.16	0.046	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
m-Xylene & p-Xylene	**6.5**		0.63	0.045	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
o-Xylene	**3.4**		0.32	0.036	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Styrene	ND		0.16	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Bromoform	ND		0.32	0.030	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Isopropylbenzene	**0.49**		0.16	0.049	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Bromobenzene	ND		0.16	0.035	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
N-Propylbenzene	**1.7**		0.16	0.042	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2,3-Trichloropropane	ND		0.32	0.058	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
2-Chlorotoluene	ND		0.16	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,3,5-Trimethylbenzene	**6.4**		0.16	0.051	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
4-Chlorotoluene	ND		0.16	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
tert-Butylbenzene	ND		0.16	0.031	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2,4-Trimethylbenzene	**17**		1.6	0.37	mg/Kg	☼	09/05/25 11:26	09/08/25 15:17	10
sec-Butylbenzene	**0.81**		0.16	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,3-Dichlorobenzene	ND		0.16	0.020	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
p-Isopropyltoluene	**1.3**		0.16	0.032	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,4-Dichlorobenzene	ND		0.16	0.033	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
n-Butylbenzene	**2.5**		0.16	0.043	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2-Dichlorobenzene	ND		0.16	0.037	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2-Dibromo-3-Chloropropane	ND		0.79	0.095	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2,4-Trichlorobenzene	ND		0.16	0.029	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
1,2,3-Trichlorobenzene	ND		0.16	0.053	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Hexachlorobutadiene	ND		0.16	0.026	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Naphthalene	**1.4**		0.32	0.044	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1
Methyl tert-butyl ether	ND		0.079	0.047	mg/Kg	☼	09/05/25 11:26	09/05/25 20:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*80 - 120*	*09/05/25 11:26*	*09/05/25 20:25*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*	*09/05/25 11:26*	*09/08/25 15:17*	*10*
4-Bromofluorobenzene (Surr)	*132*	*S1+*	*66 - 129*	*09/05/25 11:26*	*09/05/25 20:25*	*1*
4-Bromofluorobenzene (Surr)	*102*		*66 - 129*	*09/05/25 11:26*	*09/08/25 15:17*	*10*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*09/05/25 11:26*	*09/05/25 20:25*	*1*
Dibromofluoromethane (Surr)	*106*		*80 - 120*	*09/05/25 11:26*	*09/08/25 15:17*	*10*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*	*09/05/25 11:26*	*09/05/25 20:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*79 - 124*	*09/05/25 11:26*	*09/08/25 15:17*	*10*

Client Sample ID: TP5-2

Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6

Matrix: Solid
Percent Solids: 73.1

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	1800		79	28	mg/Kg	☼	09/05/25 11:26	09/08/25 15:17	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*102*		*41.5 - 162*	*09/05/25 11:26*	*09/08/25 15:17*	*10*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	690		14	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
2-Methylnaphthalene	1300		14	4.2	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
1-Methylnaphthalene	710		14	3.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Acenaphthylene	43		14	4.5	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Acenaphthene	120		14	3.4	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Fluorene	120		14	3.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Phenanthrene	350		14	4.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Anthracene	200		14	2.7	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Fluoranthene	30		14	3.4	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Pyrene	860		14	5.2	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Benzo[a]anthracene	21		14	2.9	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Chrysene	11	J	14	2.1	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Benzo[b]fluoranthene	10	J	14	4.8	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Benzo[k]fluoranthene	3.9	J	14	3.4	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Benzo[a]pyrene	ND		14	5.7	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Indeno[1,2,3-cd]pyrene	ND		14	4.0	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Dibenz(a,h)anthracene	ND		14	3.8	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1
Benzo[g,h,i]perylene	7.0	J	14	3.2	ug/Kg	☼	09/05/25 08:46	09/05/25 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*58*		*42 - 110*	*09/05/25 08:46*	*09/05/25 13:53*	*1*
2-Fluorobiphenyl (Surr)	*53*		*49 - 110*	*09/05/25 08:46*	*09/05/25 13:53*	*1*
p-Terphenyl-d14	*76*		*49 - 134*	*09/05/25 08:46*	*09/05/25 13:53*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3700		14	5.7	mg/Kg	☼	09/03/25 08:54	09/09/25 02:19	1
Residual Range Organics (RRO) (C25-C36)	150		34	6.8	mg/Kg	☼	09/03/25 08:54	09/09/25 02:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*30*	*S1-*	*50 - 150*	*09/03/25 08:54*	*09/09/25 02:19*	*1*
n-Triacontane-d62	*95*		*50 - 150*	*09/03/25 08:54*	*09/09/25 02:19*	*1*

Method: SW846 6010D - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.1	J	12	4.8	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Barium	130		12	3.2	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Cadmium	ND		9.6	2.0	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Chromium	16		12	1.7	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Lead	31		29	14	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Selenium	ND		48	29	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10
Silver	ND		12	2.8	mg/Kg	☼	09/06/25 12:00	09/06/25 23:34	10

Client Sample ID: TP5-2

Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6

Matrix: Solid
Percent Solids: 73.1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		46	11	ug/Kg	☼	09/08/25 14:07	09/08/25 18:32	1

Client Sample ID: Trip Blank

Date Collected: 08/25/25 00:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-7

Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Chloromethane	ND		0.51	0.042	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Vinyl chloride	ND		0.061	0.020	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Bromomethane	ND		0.51	0.034	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Chloroethane	ND		0.20	0.057	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1-Dichloroethene	ND		0.10	0.035	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1-Dichloroethane	ND		0.10	0.027	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
2,2-Dichloropropane	ND		0.10	0.025	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Chloroform	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1,1-Trichloroethane	ND		0.10	0.018	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1-Dichloropropene	ND		0.10	0.018	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Benzene	ND		0.020	0.010	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2-Dichloroethane (EDC)	ND		0.10	0.022	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Trichloroethene	ND		0.025	0.0077	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2-Dichloropropane	ND		0.12	0.031	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Dibromomethane	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Bromodichloromethane	ND		0.10	0.063	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
cis-1,3-Dichloropropene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Toluene	ND		0.10	0.046	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
trans-1,3-Dichloropropene	ND		0.10	0.027	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1,2-Trichloroethane	ND		0.10	0.036	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Tetrachloroethene	ND		0.041	0.018	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
m-Xylene & p-Xylene	ND		0.41	0.029	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
o-Xylene	ND		0.20	0.023	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Styrene	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Bromoform	ND		0.20	0.019	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Bromobenzene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
N-Propylbenzene	ND		0.10	0.027	mg/Kg		09/05/25 11:26	09/05/25 21:09	1

Client Sample ID: Trip Blank
Date Collected: 08/25/25 00:00
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-7
Matrix: Solid

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
2-Chlorotoluene	ND		0.10	0.017	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
4-Chlorotoluene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2,4-Trimethylbenzene	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
p-Isopropyltoluene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2-Dichlorobenzene	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2-Dibromo-3-Chloropropane	ND		0.51	0.061	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
1,2,3-Trichlorobenzene	ND		0.10	0.034	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Hexachlorobutadiene	ND		0.10	0.017	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Naphthalene	ND		0.20	0.028	mg/Kg		09/05/25 11:26	09/05/25 21:09	1
Methyl tert-butyl ether	ND		0.051	0.030	mg/Kg		09/05/25 11:26	09/05/25 21:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*	*09/05/25 11:26*	*09/05/25 21:09*	*1*
4-Bromofluorobenzene (Surr)	*95*		*66 - 129*	*09/05/25 11:26*	*09/05/25 21:09*	*1*
Dibromofluoromethane (Surr)	*102*		*80 - 120*	*09/05/25 11:26*	*09/05/25 21:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*79 - 124*	*09/05/25 11:26*	*09/05/25 21:09*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-56185/1-A
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		0.10	0.028	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Chloromethane	ND		0.50	0.042	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Vinyl chloride	ND		0.060	0.020	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Bromomethane	ND		0.50	0.033	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Chloroethane	ND		0.20	0.056	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Trichlorofluoromethane	ND		0.20	0.033	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1-Dichloroethene	ND		0.10	0.034	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Methylene Chloride	ND		0.35	0.20	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
trans-1,2-Dichloroethene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1-Dichloroethane	ND		0.10	0.026	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
2,2-Dichloropropane	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
cis-1,2-Dichloroethene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Bromochloromethane	ND		0.10	0.040	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Chloroform	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1,1-Trichloroethane	ND		0.10	0.017	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Carbon tetrachloride	ND		0.10	0.011	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1-Dichloropropene	ND		0.10	0.017	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Benzene	ND		0.020	0.010	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2-Dichloroethane (EDC)	ND		0.10	0.022	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Trichloroethene	ND		0.025	0.0076	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2-Dichloropropane	ND		0.12	0.030	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Dibromomethane	ND		0.10	0.022	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Bromodichloromethane	ND		0.10	0.062	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
cis-1,3-Dichloropropene	ND		0.10	0.020	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Toluene	ND		0.10	0.045	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
trans-1,3-Dichloropropene	ND		0.10	0.026	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1,2-Trichloroethane	ND		0.10	0.035	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Tetrachloroethene	ND		0.040	0.018	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,3-Dichloropropane	ND		0.10	0.030	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Dibromochloromethane	ND		0.20	0.016	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2-Dibromoethane (EDB)	ND		0.10	0.034	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Chlorobenzene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Ethylbenzene	ND		0.10	0.016	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1,1,2-Tetrachloroethane	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,1,2,2-Tetrachloroethane	ND		0.10	0.029	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
m-Xylene & p-Xylene	ND		0.40	0.029	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
o-Xylene	ND		0.20	0.023	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Styrene	ND		0.10	0.024	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Bromoform	ND		0.20	0.019	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Isopropylbenzene	ND		0.10	0.031	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Bromobenzene	ND		0.10	0.022	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
N-Propylbenzene	ND		0.10	0.026	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2,3-Trichloropropane	ND		0.20	0.037	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
2-Chlorotoluene	ND		0.10	0.016	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,3,5-Trimethylbenzene	ND		0.10	0.032	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
4-Chlorotoluene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
tert-Butylbenzene	ND		0.10	0.020	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2,4-Trimethylbenzene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 13:37	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-56185/1-A
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56185

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,3-Dichlorobenzene	ND		0.10	0.013	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
p-Isopropyltoluene	ND		0.10	0.020	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,4-Dichlorobenzene	ND		0.10	0.021	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
n-Butylbenzene	ND		0.10	0.028	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2-Dichlorobenzene	ND		0.10	0.023	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2-Dibromo-3-Chloropropane	ND		0.50	0.060	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2,4-Trichlorobenzene	ND		0.10	0.019	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
1,2,3-Trichlorobenzene	ND		0.10	0.033	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Hexachlorobutadiene	ND		0.10	0.016	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Naphthalene	ND		0.20	0.028	mg/Kg		09/05/25 11:26	09/05/25 13:37	1
Methyl tert-butyl ether	ND		0.050	0.030	mg/Kg		09/05/25 11:26	09/05/25 13:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*	*09/05/25 11:26*	*09/05/25 13:37*	*1*
4-Bromofluorobenzene (Surr)	*98*		*66 - 129*	*09/05/25 11:26*	*09/05/25 13:37*	*1*
Dibromofluoromethane (Surr)	*101*		*80 - 120*	*09/05/25 11:26*	*09/05/25 13:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*79 - 124*	*09/05/25 11:26*	*09/05/25 13:37*	*1*

Lab Sample ID: LCS 590-56185/2-A
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	0.500	0.393		mg/Kg		79	14 - 120
Chloromethane	0.500	0.465	J	mg/Kg		93	29 - 150
Vinyl chloride	0.500	0.540		mg/Kg		108	38 - 150
Bromomethane	0.500	0.546		mg/Kg		109	39 - 150
Chloroethane	0.500	0.538		mg/Kg		108	38 - 150
Trichlorofluoromethane	0.500	0.541		mg/Kg		108	45 - 150
1,1-Dichloroethene	0.500	0.495		mg/Kg		99	50 - 150
Methylene Chloride	0.500	0.522		mg/Kg		104	42 - 150
trans-1,2-Dichloroethene	0.500	0.519		mg/Kg		104	75 - 140
1,1-Dichloroethane	0.500	0.474		mg/Kg		95	79 - 133
2,2-Dichloropropane	0.500	0.617		mg/Kg		123	50 - 150
cis-1,2-Dichloroethene	0.500	0.468		mg/Kg		94	78 - 132
Bromochloromethane	0.500	0.463		mg/Kg		93	67 - 138
Chloroform	0.500	0.488		mg/Kg		98	80 - 131
1,1,1-Trichloroethane	0.500	0.520		mg/Kg		104	59 - 150
Carbon tetrachloride	0.500	0.521		mg/Kg		104	61 - 150
1,1-Dichloropropene	0.500	0.503		mg/Kg		101	80 - 131
Benzene	0.500	0.491		mg/Kg		98	80 - 128
1,2-Dichloroethane (EDC)	0.500	0.449		mg/Kg		90	77 - 126
Trichloroethene	0.500	0.547		mg/Kg		109	80 - 129
1,2-Dichloropropane	0.500	0.441		mg/Kg		88	71 - 136
Dibromomethane	0.500	0.488		mg/Kg		98	76 - 121
Bromodichloromethane	0.500	0.458		mg/Kg		92	79 - 122
cis-1,3-Dichloropropene	0.500	0.477		mg/Kg		95	71 - 123

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-56185/2-A
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56185

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	0.500	0.495		mg/Kg		99	79 - 130
trans-1,3-Dichloropropene	0.500	0.470		mg/Kg		94	68 - 133
1,1,2-Trichloroethane	0.500	0.482		mg/Kg		96	74 - 131
Tetrachloroethene	0.500	0.571		mg/Kg		114	76 - 142
1,3-Dichloropropane	0.500	0.448		mg/Kg		90	73 - 125
Dibromochloromethane	0.500	0.486		mg/Kg		97	70 - 132
1,2-Dibromoethane (EDB)	0.500	0.494		mg/Kg		99	76 - 126
Chlorobenzene	0.500	0.501		mg/Kg		100	80 - 124
Ethylbenzene	0.500	0.503		mg/Kg		101	80 - 127
1,1,1,2-Tetrachloroethane	0.500	0.507		mg/Kg		101	76 - 139
1,1,2,2-Tetrachloroethane	0.500	0.471		mg/Kg		94	66 - 130
m-Xylene & p-Xylene	0.500	0.521		mg/Kg		104	80 - 131
o-Xylene	0.500	0.490		mg/Kg		98	78 - 128
Styrene	0.500	0.482		mg/Kg		96	76 - 128
Bromoform	0.500	0.494		mg/Kg		99	49 - 150
Isopropylbenzene	0.500	0.503		mg/Kg		101	79 - 134
Bromobenzene	0.500	0.476		mg/Kg		95	70 - 129
N-Propylbenzene	0.500	0.488		mg/Kg		98	71 - 136
1,2,3-Trichloropropane	0.500	0.460		mg/Kg		92	61 - 138
2-Chlorotoluene	0.500	0.495		mg/Kg		99	73 - 131
1,3,5-Trimethylbenzene	0.500	0.506		mg/Kg		101	76 - 130
4-Chlorotoluene	0.500	0.490		mg/Kg		98	76 - 128
tert-Butylbenzene	0.500	0.516		mg/Kg		103	74 - 129
1,2,4-Trimethylbenzene	0.500	0.502		mg/Kg		100	78 - 128
sec-Butylbenzene	0.500	0.517		mg/Kg		103	78 - 132
1,3-Dichlorobenzene	0.500	0.530		mg/Kg		106	80 - 121
p-Isopropyltoluene	0.500	0.517		mg/Kg		103	79 - 128
1,4-Dichlorobenzene	0.500	0.525		mg/Kg		105	80 - 122
n-Butylbenzene	0.500	0.487		mg/Kg		97	75 - 128
1,2-Dichlorobenzene	0.500	0.528		mg/Kg		106	80 - 121
1,2-Dibromo-3-Chloropropane	0.500	0.429	J	mg/Kg		86	49 - 143
1,2,4-Trichlorobenzene	0.500	0.551		mg/Kg		110	73 - 129
1,2,3-Trichlorobenzene	0.500	0.509		mg/Kg		102	72 - 130
Hexachlorobutadiene	0.500	0.601		mg/Kg		120	75 - 136
Naphthalene	0.500	0.482		mg/Kg		96	57 - 131
Methyl tert-butyl ether	0.500	0.512		mg/Kg		102	69 - 132

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*66 - 129*
Dibromofluoromethane (Surr)	*100*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*90*		*79 - 124*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32931-B-21-A MS
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56185

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	ND	F1	0.889	1.10	F1	mg/Kg	☼	124	14 - 120
Chloromethane	ND		0.889	1.00		mg/Kg	☼	113	29 - 150
Vinyl chloride	ND		0.889	1.27		mg/Kg	☼	143	38 - 150
Bromomethane	ND		0.889	1.14		mg/Kg	☼	128	39 - 150
Chloroethane	ND	F1	0.889	1.43	F1	mg/Kg	☼	160	38 - 150
Trichlorofluoromethane	ND		0.889	1.13		mg/Kg	☼	127	45 - 150
1,1-Dichloroethene	ND		0.889	1.03		mg/Kg	☼	116	50 - 150
Methylene Chloride	ND		0.889	0.765		mg/Kg	☼	86	42 - 150
trans-1,2-Dichloroethene	ND		0.889	0.952		mg/Kg	☼	107	75 - 140
1,1-Dichloroethane	ND		0.889	0.895		mg/Kg	☼	101	79 - 133
2,2-Dichloropropane	ND		0.889	1.13		mg/Kg	☼	127	50 - 150
cis-1,2-Dichloroethene	ND		0.889	0.896		mg/Kg	☼	101	78 - 132
Bromochloromethane	ND		0.889	0.712		mg/Kg	☼	80	67 - 138
Chloroform	ND		0.889	0.932		mg/Kg	☼	105	80 - 131
1,1,1-Trichloroethane	ND		0.889	0.980		mg/Kg	☼	110	59 - 150
Carbon tetrachloride	ND		0.889	0.975		mg/Kg	☼	110	61 - 150
1,1-Dichloropropene	ND		0.889	0.932		mg/Kg	☼	105	80 - 131
Benzene	ND		0.889	0.920		mg/Kg	☼	104	80 - 128
1,2-Dichloroethane (EDC)	ND		0.889	0.832		mg/Kg	☼	94	77 - 126
Trichloroethene	ND		0.889	1.07		mg/Kg	☼	120	80 - 129
1,2-Dichloropropane	ND		0.889	0.803		mg/Kg	☼	90	71 - 136
Dibromomethane	ND		0.889	0.933		mg/Kg	☼	105	76 - 121
Bromodichloromethane	ND		0.889	0.882		mg/Kg	☼	99	79 - 122
cis-1,3-Dichloropropene	ND		0.889	0.881		mg/Kg	☼	99	71 - 123
Toluene	ND		0.889	0.908		mg/Kg	☼	102	79 - 130
trans-1,3-Dichloropropene	ND		0.889	0.891		mg/Kg	☼	100	68 - 133
1,1,2-Trichloroethane	ND		0.889	0.918		mg/Kg	☼	103	74 - 131
Tetrachloroethene	ND		0.889	1.06		mg/Kg	☼	119	76 - 142
1,3-Dichloropropane	ND		0.889	0.842		mg/Kg	☼	95	73 - 125
Dibromochloromethane	ND		0.889	0.933		mg/Kg	☼	105	70 - 132
1,2-Dibromoethane (EDB)	ND		0.889	0.919		mg/Kg	☼	103	76 - 126
Chlorobenzene	ND		0.889	0.922		mg/Kg	☼	104	80 - 124
Ethylbenzene	ND		0.889	0.903		mg/Kg	☼	102	80 - 127
1,1,1,2-Tetrachloroethane	ND		0.889	0.934		mg/Kg	☼	105	76 - 139
1,1,2,2-Tetrachloroethane	ND		0.889	0.764		mg/Kg	☼	86	66 - 130
m-Xylene & p-Xylene	ND		0.889	0.903		mg/Kg	☼	102	80 - 131
o-Xylene	ND		0.889	0.885		mg/Kg	☼	100	78 - 128
Styrene	ND		0.889	0.884		mg/Kg	☼	99	76 - 128
Bromoform	ND		0.889	0.944		mg/Kg	☼	106	49 - 150
Isopropylbenzene	ND		0.889	0.921		mg/Kg	☼	104	79 - 134
Bromobenzene	ND		0.889	0.813		mg/Kg	☼	91	70 - 129
N-Propylbenzene	ND		0.889	0.839		mg/Kg	☼	94	71 - 136
1,2,3-Trichloropropane	ND		0.889	0.783		mg/Kg	☼	88	61 - 138
2-Chlorotoluene	ND		0.889	0.857		mg/Kg	☼	96	73 - 131
1,3,5-Trimethylbenzene	ND		0.889	0.899		mg/Kg	☼	101	76 - 130
4-Chlorotoluene	ND		0.889	0.845		mg/Kg	☼	95	76 - 128
tert-Butylbenzene	ND		0.889	0.906		mg/Kg	☼	102	74 - 129
1,2,4-Trimethylbenzene	ND		0.889	0.893		mg/Kg	☼	100	78 - 128

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32931-B-21-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56189 — **Prep Batch: 56185**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
sec-Butylbenzene	ND		0.889	0.894		mg/Kg	☼	101	78 - 132
1,3-Dichlorobenzene	ND		0.889	0.965		mg/Kg	☼	108	80 - 121
p-Isopropyltoluene	ND		0.889	0.929		mg/Kg	☼	104	79 - 128
1,4-Dichlorobenzene	ND		0.889	0.943		mg/Kg	☼	106	80 - 122
n-Butylbenzene	ND		0.889	0.865		mg/Kg	☼	97	75 - 128
1,2-Dichlorobenzene	ND		0.889	0.958		mg/Kg	☼	108	80 - 121
1,2-Dibromo-3-Chloropropane	ND		0.889	0.763	J	mg/Kg	☼	86	49 - 143
1,2,4-Trichlorobenzene	ND		0.889	0.923		mg/Kg	☼	104	73 - 129
1,2,3-Trichlorobenzene	ND		0.889	0.908		mg/Kg	☼	102	72 - 130
Hexachlorobutadiene	ND		0.889	1.08		mg/Kg	☼	122	75 - 136
Naphthalene	ND		0.889	0.901		mg/Kg	☼	101	57 - 131
Methyl tert-butyl ether	ND		0.889	0.972		mg/Kg	☼	109	69 - 132

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*80 - 120*
4-Bromofluorobenzene (Surr)	*91*		*66 - 129*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*95*		*79 - 124*

Lab Sample ID: 590-32931-B-21-A MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56189 — **Prep Batch: 56185**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane	ND	F1	0.889	1.16	F1	mg/Kg	☼	131	14 - 120	6	40
Chloromethane	ND		0.889	1.02		mg/Kg	☼	114	29 - 150	1	40
Vinyl chloride	ND		0.889	1.25		mg/Kg	☼	141	38 - 150	1	40
Bromomethane	ND		0.889	1.12		mg/Kg	☼	126	39 - 150	2	40
Chloroethane	ND	F1	0.889	1.14		mg/Kg	☼	129	38 - 150	22	40
Trichlorofluoromethane	ND		0.889	1.13		mg/Kg	☼	128	45 - 150	1	37
1,1-Dichloroethene	ND		0.889	1.03		mg/Kg	☼	116	50 - 150	0	37
Methylene Chloride	ND		0.889	0.763		mg/Kg	☼	86	42 - 150	0	39
trans-1,2-Dichloroethene	ND		0.889	0.994		mg/Kg	☼	112	75 - 140	4	23
1,1-Dichloroethane	ND		0.889	0.874		mg/Kg	☼	98	79 - 133	2	17
2,2-Dichloropropane	ND		0.889	1.07		mg/Kg	☼	120	50 - 150	5	31
cis-1,2-Dichloroethene	ND		0.889	0.851		mg/Kg	☼	96	78 - 132	5	19
Bromochloromethane	ND		0.889	0.737		mg/Kg	☼	83	67 - 138	4	29
Chloroform	ND		0.889	0.913		mg/Kg	☼	103	80 - 131	2	20
1,1,1-Trichloroethane	ND		0.889	0.989		mg/Kg	☼	111	59 - 150	1	31
Carbon tetrachloride	ND		0.889	0.975		mg/Kg	☼	110	61 - 150	0	36
1,1-Dichloropropene	ND		0.889	0.931		mg/Kg	☼	105	80 - 131	0	20
Benzene	ND		0.889	0.908		mg/Kg	☼	102	80 - 128	1	17
1,2-Dichloroethane (EDC)	ND		0.889	0.859		mg/Kg	☼	97	77 - 126	3	18
Trichloroethene	ND		0.889	1.04		mg/Kg	☼	117	80 - 129	3	17
1,2-Dichloropropane	ND		0.889	0.813		mg/Kg	☼	91	71 - 136	1	22
Dibromomethane	ND		0.889	0.924		mg/Kg	☼	104	76 - 121	1	20
Bromodichloromethane	ND		0.889	0.884		mg/Kg	☼	99	79 - 122	0	20
cis-1,3-Dichloropropene	ND		0.889	0.855		mg/Kg	☼	96	71 - 123	3	20

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32931-B-21-A MSD
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56185

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Toluene	ND		0.889	0.892		mg/Kg	☼	100	79 - 130	2	21
trans-1,3-Dichloropropene	ND		0.889	0.860		mg/Kg	☼	97	68 - 133	4	22
1,1,2-Trichloroethane	ND		0.889	0.892		mg/Kg	☼	100	74 - 131	3	20
Tetrachloroethene	ND		0.889	1.04		mg/Kg	☼	116	76 - 142	2	19
1,3-Dichloropropane	ND		0.889	0.820		mg/Kg	☼	92	73 - 125	3	18
Dibromochloromethane	ND		0.889	0.909		mg/Kg	☼	102	70 - 132	3	20
1,2-Dibromoethane (EDB)	ND		0.889	0.909		mg/Kg	☼	102	76 - 126	1	20
Chlorobenzene	ND		0.889	0.881		mg/Kg	☼	99	80 - 124	5	18
Ethylbenzene	ND		0.889	0.883		mg/Kg	☼	99	80 - 127	2	19
1,1,1,2-Tetrachloroethane	ND		0.889	0.911		mg/Kg	☼	102	76 - 139	3	23
1,1,2,2-Tetrachloroethane	ND		0.889	0.744		mg/Kg	☼	84	66 - 130	3	23
m-Xylene & p-Xylene	ND		0.889	0.873		mg/Kg	☼	98	80 - 131	3	19
o-Xylene	ND		0.889	0.865		mg/Kg	☼	97	78 - 128	2	19
Styrene	ND		0.889	0.857		mg/Kg	☼	96	76 - 128	3	19
Bromoform	ND		0.889	0.917		mg/Kg	☼	103	49 - 150	3	23
Isopropylbenzene	ND		0.889	0.898		mg/Kg	☼	101	79 - 134	3	19
Bromobenzene	ND		0.889	0.764		mg/Kg	☼	86	70 - 129	6	23
N-Propylbenzene	ND		0.889	0.815		mg/Kg	☼	92	71 - 136	3	20
1,2,3-Trichloropropane	ND		0.889	0.773		mg/Kg	☼	87	61 - 138	1	28
2-Chlorotoluene	ND		0.889	0.833		mg/Kg	☼	94	73 - 131	3	21
1,3,5-Trimethylbenzene	ND		0.889	0.852		mg/Kg	☼	96	76 - 130	5	18
4-Chlorotoluene	ND		0.889	0.830		mg/Kg	☼	93	76 - 128	2	20
tert-Butylbenzene	ND		0.889	0.882		mg/Kg	☼	99	74 - 129	3	21
1,2,4-Trimethylbenzene	ND		0.889	0.852		mg/Kg	☼	96	78 - 128	5	19
sec-Butylbenzene	ND		0.889	0.872		mg/Kg	☼	98	78 - 132	3	20
1,3-Dichlorobenzene	ND		0.889	0.901		mg/Kg	☼	101	80 - 121	7	19
p-Isopropyltoluene	ND		0.889	0.882		mg/Kg	☼	99	79 - 128	5	20
1,4-Dichlorobenzene	ND		0.889	0.927		mg/Kg	☼	104	80 - 122	2	18
n-Butylbenzene	ND		0.889	0.848		mg/Kg	☼	95	75 - 128	2	21
1,2-Dichlorobenzene	ND		0.889	0.932		mg/Kg	☼	105	80 - 121	3	21
1,2-Dibromo-3-Chloropropane	ND		0.889	0.769	J	mg/Kg	☼	87	49 - 143	1	33
1,2,4-Trichlorobenzene	ND		0.889	0.958		mg/Kg	☼	108	73 - 129	4	29
1,2,3-Trichlorobenzene	ND		0.889	0.918		mg/Kg	☼	103	72 - 130	1	31
Hexachlorobutadiene	ND		0.889	1.07		mg/Kg	☼	121	75 - 136	1	29
Naphthalene	ND		0.889	0.852		mg/Kg	☼	96	57 - 131	6	34
Methyl tert-butyl ether	ND		0.889	0.981		mg/Kg	☼	110	69 - 132	1	32

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*80 - 120*
4-Bromofluorobenzene (Surr)	*89*		*66 - 129*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32931-B-21-A DU
Matrix: Solid
Analysis Batch: 56189

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 56185

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Dichlorodifluoromethane	ND	F1		ND		mg/Kg	☼			NC	40
Chloromethane	ND			ND		mg/Kg	☼			NC	40
Vinyl chloride	ND			ND		mg/Kg	☼			NC	40
Bromomethane	ND			ND		mg/Kg	☼			NC	40
Chloroethane	ND	F1		ND		mg/Kg	☼			NC	40
Trichlorofluoromethane	ND			ND		mg/Kg	☼			NC	37
1,1-Dichloroethene	ND			ND		mg/Kg	☼			NC	37
Methylene Chloride	ND			ND		mg/Kg	☼			NC	39
trans-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	23
1,1-Dichloroethane	ND			ND		mg/Kg	☼			NC	17
2,2-Dichloropropane	ND			ND		mg/Kg	☼			NC	31
cis-1,2-Dichloroethene	ND			ND		mg/Kg	☼			NC	19
Bromochloromethane	ND			ND		mg/Kg	☼			NC	29
Chloroform	ND			ND		mg/Kg	☼			NC	20
1,1,1-Trichloroethane	ND			ND		mg/Kg	☼			NC	31
Carbon tetrachloride	ND			ND		mg/Kg	☼			NC	36
1,1-Dichloropropene	ND			ND		mg/Kg	☼			NC	20
Benzene	ND			ND		mg/Kg	☼			NC	17
1,2-Dichloroethane (EDC)	ND			ND		mg/Kg	☼			NC	18
Trichloroethene	ND			ND		mg/Kg	☼			NC	17
1,2-Dichloropropane	ND			ND		mg/Kg	☼			NC	22
Dibromomethane	ND			ND		mg/Kg	☼			NC	20
Bromodichloromethane	ND			ND		mg/Kg	☼			NC	20
cis-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	20
Toluene	ND			ND		mg/Kg	☼			NC	21
trans-1,3-Dichloropropene	ND			ND		mg/Kg	☼			NC	22
1,1,2-Trichloroethane	ND			ND		mg/Kg	☼			NC	20
Tetrachloroethene	ND			ND		mg/Kg	☼			NC	19
1,3-Dichloropropane	ND			ND		mg/Kg	☼			NC	18
Dibromochloromethane	ND			ND		mg/Kg	☼			NC	20
1,2-Dibromoethane (EDB)	ND			ND		mg/Kg	☼			NC	20
Chlorobenzene	ND			ND		mg/Kg	☼			NC	18
Ethylbenzene	ND			ND		mg/Kg	☼			NC	19
1,1,1,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	23
1,1,2,2-Tetrachloroethane	ND			ND		mg/Kg	☼			NC	23
m-Xylene & p-Xylene	ND			ND		mg/Kg	☼			NC	19
o-Xylene	ND			ND		mg/Kg	☼			NC	19
Styrene	ND			ND		mg/Kg	☼			NC	19
Bromoform	ND			ND		mg/Kg	☼			NC	23
Isopropylbenzene	ND			ND		mg/Kg	☼			NC	19
Bromobenzene	ND			ND		mg/Kg	☼			NC	23
N-Propylbenzene	ND			ND		mg/Kg	☼			NC	20
1,2,3-Trichloropropane	ND			ND		mg/Kg	☼			NC	28
2-Chlorotoluene	ND			ND		mg/Kg	☼			NC	21
1,3,5-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	18
4-Chlorotoluene	ND			ND		mg/Kg	☼			NC	20
tert-Butylbenzene	ND			ND		mg/Kg	☼			NC	21
1,2,4-Trimethylbenzene	ND			ND		mg/Kg	☼			NC	19

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 590-32931-B-21-A DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56189 — **Prep Batch: 56185**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
sec-Butylbenzene	ND			ND		mg/Kg	☼			NC	20
1,3-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	19
p-Isopropyltoluene	ND			ND		mg/Kg	☼			NC	20
1,4-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	18
n-Butylbenzene	ND			ND		mg/Kg	☼			NC	21
1,2-Dichlorobenzene	ND			ND		mg/Kg	☼			NC	21
1,2-Dibromo-3-Chloropropane	ND			ND		mg/Kg	☼			NC	33
1,2,4-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	29
1,2,3-Trichlorobenzene	ND			ND		mg/Kg	☼			NC	31
Hexachlorobutadiene	ND			ND		mg/Kg	☼			NC	29
Naphthalene	ND			ND		mg/Kg	☼			NC	34
Methyl tert-butyl ether	ND			ND		mg/Kg	☼			NC	32

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
Toluene-d8 (Surr)	*98*		*80 - 120*
4-Bromofluorobenzene (Surr)	*96*		*66 - 129*
Dibromofluoromethane (Surr)	*103*		*80 - 120*
1,2-Dichloroethane-d4 (Surr)	*94*		*79 - 124*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-56185/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56188 — **Prep Batch: 56185**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		5.0	1.8	mg/Kg		09/05/25 11:26	09/05/25 13:37	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*41.5 - 162*	*09/05/25 11:26*	*09/05/25 13:37*	*1*

Lab Sample ID: LCS 590-56185/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56188 — **Prep Batch: 56185**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Gasoline			50.0	55.8		mg/Kg		112	74.4 - 124		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*99*		*41.5 - 162*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-56035/1-A
Matrix: Solid
Analysis Batch: 56050

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56035

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Acenaphthylene	ND		10	3.3	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Acenaphthene	ND		10	2.5	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Fluorene	ND		10	2.2	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Phenanthrene	ND		10	3.6	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Anthracene	ND		10	2.0	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Fluoranthene	ND		10	2.5	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Pyrene	ND		10	3.8	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Chrysene	ND		10	1.5	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		08/29/25 08:45	08/29/25 13:22	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		08/29/25 08:45	08/29/25 13:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*76*		*42 - 110*	*08/29/25 08:45*	*08/29/25 13:22*	*1*
2-Fluorobiphenyl (Surr)	*82*		*49 - 110*	*08/29/25 08:45*	*08/29/25 13:22*	*1*
p-Terphenyl-d14	*99*		*49 - 134*	*08/29/25 08:45*	*08/29/25 13:22*	*1*

Lab Sample ID: LCS 590-56035/2-A
Matrix: Solid
Analysis Batch: 56050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56035

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	267	211		ug/Kg		79	43 - 108
2-Methylnaphthalene	267	228		ug/Kg		85	45 - 111
1-Methylnaphthalene	267	226		ug/Kg		85	44 - 111
Acenaphthylene	267	242		ug/Kg		91	57 - 120
Acenaphthene	267	242		ug/Kg		91	56 - 120
Fluorene	267	255		ug/Kg		96	59 - 120
Phenanthrene	267	275		ug/Kg		103	60 - 128
Anthracene	267	235		ug/Kg		88	60 - 130
Fluoranthene	267	266		ug/Kg		100	67 - 141
Pyrene	267	279		ug/Kg		105	64 - 122
Benzo[a]anthracene	267	287		ug/Kg		108	65 - 131
Chrysene	267	220		ug/Kg		83	64 - 120
Benzo[b]fluoranthene	267	279		ug/Kg		105	56 - 129
Benzo[k]fluoranthene	267	236		ug/Kg		88	62 - 135
Benzo[a]pyrene	267	255		ug/Kg		96	60 - 120
Indeno[1,2,3-cd]pyrene	267	261		ug/Kg		98	65 - 120
Dibenz(a,h)anthracene	267	263		ug/Kg		99	64 - 128
Benzo[g,h,i]perylene	267	259		ug/Kg		97	60 - 127

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-56035/2-A
Matrix: Solid
Analysis Batch: 56050

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56035

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5	82		42 - 110
2-Fluorobiphenyl (Surr)	88		49 - 110
p-Terphenyl-d14	105		49 - 134

Lab Sample ID: 590-32770-A-33-B MS
Matrix: Solid
Analysis Batch: 56050

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56035

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	17		274	235		ug/Kg	☼	80	37 - 120
2-Methylnaphthalene	10		274	248		ug/Kg	☼	87	45 - 120
1-Methylnaphthalene	6.5	J	274	238		ug/Kg	☼	85	44 - 120
Acenaphthylene	21		274	273		ug/Kg	☼	92	52 - 120
Acenaphthene	3.4	J	274	257		ug/Kg	☼	93	52 - 120
Fluorene	ND		274	264		ug/Kg	☼	97	56 - 120
Phenanthrene	130	F1	274	457	F1	ug/Kg	☼	121	60 - 120
Anthracene	75		274	301		ug/Kg	☼	82	54 - 120
Fluoranthene	140		274	448		ug/Kg	☼	113	62 - 120
Pyrene	130		274	414		ug/Kg	☼	104	58 - 122
Benzo[a]anthracene	73		274	370		ug/Kg	☼	109	65 - 122
Chrysene	94		274	316		ug/Kg	☼	81	53 - 120
Benzo[b]fluoranthene	190		274	456		ug/Kg	☼	98	56 - 122
Benzo[k]fluoranthene	86		274	323		ug/Kg	☼	86	53 - 120
Benzo[a]pyrene	110		274	377		ug/Kg	☼	98	56 - 120
Indeno[1,2,3-cd]pyrene	150		274	392		ug/Kg	☼	88	59 - 120
Dibenz(a,h)anthracene	48		274	294		ug/Kg	☼	90	59 - 120
Benzo[g,h,i]perylene	220		274	421		ug/Kg	☼	74	60 - 120

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	80		42 - 110
2-Fluorobiphenyl (Surr)	87		49 - 110
p-Terphenyl-d14	88		49 - 134

Lab Sample ID: 590-32770-A-33-C MSD
Matrix: Solid
Analysis Batch: 56050

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56035

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	17		271	242		ug/Kg	☼	83	37 - 120	3	35
2-Methylnaphthalene	10		271	266		ug/Kg	☼	94	45 - 120	7	29
1-Methylnaphthalene	6.5	J	271	259		ug/Kg	☼	93	44 - 120	8	28
Acenaphthylene	21		271	287		ug/Kg	☼	98	52 - 120	5	23
Acenaphthene	3.4	J	271	276		ug/Kg	☼	101	52 - 120	7	22
Fluorene	ND		271	282		ug/Kg	☼	104	56 - 120	7	22
Phenanthrene	130	F1	271	433		ug/Kg	☼	114	60 - 120	5	20
Anthracene	75		271	301		ug/Kg	☼	83	54 - 120	0	22
Fluoranthene	140		271	416		ug/Kg	☼	102	62 - 120	7	19
Pyrene	130		271	415		ug/Kg	☼	106	58 - 122	0	16

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-32770-A-33-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56050 — **Prep Batch: 56035**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzo[a]anthracene	73		271	372		ug/Kg	☼	110	65 - 122	0	21
Chrysene	94		271	311		ug/Kg	☼	80	53 - 120	2	16
Benzo[b]fluoranthene	190		271	478		ug/Kg	☼	107	56 - 122	5	24
Benzo[k]fluoranthene	86		271	336		ug/Kg	☼	92	53 - 120	4	19
Benzo[a]pyrene	110		271	410		ug/Kg	☼	112	56 - 120	9	20
Indeno[1,2,3-cd]pyrene	150		271	374		ug/Kg	☼	82	59 - 120	5	15
Dibenz(a,h)anthracene	48		271	299		ug/Kg	☼	93	59 - 120	2	15
Benzo[g,h,i]perylene	220		271	391		ug/Kg	☼	64	60 - 120	7	14

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*88*		*42 - 110*
2-Fluorobiphenyl (Surr)	*91*		*49 - 110*
p-Terphenyl-d14	*91*		*49 - 134*

Lab Sample ID: MB 590-56171/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56172 — **Prep Batch: 56171**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Acenaphthylene	ND		10	3.3	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Acenaphthene	ND		10	2.5	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Fluorene	ND		10	2.2	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Phenanthrene	ND		10	3.6	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Anthracene	ND		10	2.0	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Fluoranthene	ND		10	2.5	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Pyrene	ND		10	3.8	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Benzo[a]anthracene	ND		10	2.1	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Chrysene	ND		10	1.5	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		09/05/25 08:46	09/05/25 10:33	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		09/05/25 08:46	09/05/25 10:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*90*		*42 - 110*	*09/05/25 08:46*	*09/05/25 10:33*	*1*
2-Fluorobiphenyl (Surr)	*90*		*49 - 110*	*09/05/25 08:46*	*09/05/25 10:33*	*1*
p-Terphenyl-d14	*96*		*49 - 134*	*09/05/25 08:46*	*09/05/25 10:33*	*1*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-56171/2-A
Matrix: Solid
Analysis Batch: 56172

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56171

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	267	208		ug/Kg		78	43 - 108
2-Methylnaphthalene	267	223		ug/Kg		84	45 - 111
1-Methylnaphthalene	267	224		ug/Kg		84	44 - 111
Acenaphthylene	267	238		ug/Kg		89	57 - 120
Acenaphthene	267	236		ug/Kg		89	56 - 120
Fluorene	267	250		ug/Kg		94	59 - 120
Phenanthrene	267	268		ug/Kg		100	60 - 128
Anthracene	267	247		ug/Kg		92	60 - 130
Fluoranthene	267	262		ug/Kg		98	67 - 141
Pyrene	267	270		ug/Kg		101	64 - 122
Benzo[a]anthracene	267	288		ug/Kg		108	65 - 131
Chrysene	267	236		ug/Kg		88	64 - 120
Benzo[b]fluoranthene	267	255		ug/Kg		96	56 - 129
Benzo[k]fluoranthene	267	268		ug/Kg		101	62 - 135
Benzo[a]pyrene	267	273		ug/Kg		102	60 - 120
Indeno[1,2,3-cd]pyrene	267	274		ug/Kg		103	65 - 120
Dibenz(a,h)anthracene	267	277		ug/Kg		104	64 - 128
Benzo[g,h,i]perylene	267	275		ug/Kg		103	60 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*84*		*42 - 110*
2-Fluorobiphenyl (Surr)	*88*		*49 - 110*
p-Terphenyl-d14	*96*		*49 - 134*

Lab Sample ID: 590-32931-A-22-B MS
Matrix: Solid
Analysis Batch: 56172

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56171

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	1700		308	1340	4	ug/Kg	☼	-113	37 - 120
2-Methylnaphthalene	3500		308	2390	4	ug/Kg	☼	-358	45 - 120
1-Methylnaphthalene	3500		308	2420	4	ug/Kg	☼	-346	44 - 120
Acenaphthylene	130	J	308	405		ug/Kg	☼	90	52 - 120
Acenaphthene	1500		308	1530	4	ug/Kg	☼	4	52 - 120
Fluorene	1200		308	1490		ug/Kg	☼	92	56 - 120
Phenanthrene	2400		308	2910	4	ug/Kg	☼	171	60 - 120
Anthracene	1700		308	2050	4	ug/Kg	☼	128	54 - 120
Fluoranthene	70	J F1	308	859	F1	ug/Kg	☼	256	62 - 120
Pyrene	3400	F2	308	3570	4	ug/Kg	☼	61	58 - 122
Benzo[a]anthracene	96	J	308	401		ug/Kg	☼	99	65 - 122
Chrysene	44	J	308	358		ug/Kg	☼	102	53 - 120
Benzo[b]fluoranthene	ND		308	330		ug/Kg	☼	107	56 - 122
Benzo[k]fluoranthene	ND		308	313		ug/Kg	☼	102	53 - 120
Benzo[a]pyrene	ND		308	327		ug/Kg	☼	106	56 - 120
Indeno[1,2,3-cd]pyrene	ND		308	313		ug/Kg	☼	102	59 - 120
Dibenz(a,h)anthracene	ND		308	314		ug/Kg	☼	102	59 - 120
Benzo[g,h,i]perylene	ND		308	330		ug/Kg	☼	107	60 - 120

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-32931-A-22-B MS
Matrix: Solid
Analysis Batch: 56172

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56171

Surrogate	MS %Recovery	MS Qualifier	Limits
Nitrobenzene-d5	43		42 - 110
2-Fluorobiphenyl (Surr)	125	S1+	49 - 110
p-Terphenyl-d14	99		49 - 134

Lab Sample ID: 590-32931-A-22-C MSD
Matrix: Solid
Analysis Batch: 56172

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 56171

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	1700		308	1270	4	ug/Kg	☼	-136	37 - 120	5	35
2-Methylnaphthalene	3500		308	2410	4	ug/Kg	☼	-349	45 - 120	1	29
1-Methylnaphthalene	3500		308	2420	4	ug/Kg	☼	-346	44 - 120	0	28
Acenaphthylene	130	J	308	441		ug/Kg	☼	101	52 - 120	9	23
Acenaphthene	1500		308	1620	4	ug/Kg	☼	32	52 - 120	5	22
Fluorene	1200		308	1390		ug/Kg	☼	58	56 - 120	7	22
Phenanthrene	2400		308	2480	4	ug/Kg	☼	31	60 - 120	16	20
Anthracene	1700		308	1910	4	ug/Kg	☼	83	54 - 120	7	22
Fluoranthene	70	J F1	308	728	F1	ug/Kg	☼	214	62 - 120	17	19
Pyrene	3400	F2	308	4230	4 F2	ug/Kg	☼	277	58 - 122	17	16
Benzo[a]anthracene	96	J	308	415		ug/Kg	☼	104	65 - 122	3	21
Chrysene	44	J	308	396		ug/Kg	☼	114	53 - 120	10	16
Benzo[b]fluoranthene	ND		308	326		ug/Kg	☼	106	56 - 122	1	24
Benzo[k]fluoranthene	ND		308	349		ug/Kg	☼	113	53 - 120	11	19
Benzo[a]pyrene	ND		308	336		ug/Kg	☼	109	56 - 120	3	20
Indeno[1,2,3-cd]pyrene	ND		308	331		ug/Kg	☼	107	59 - 120	5	15
Dibenz(a,h)anthracene	ND		308	328		ug/Kg	☼	106	59 - 120	4	15
Benzo[g,h,i]perylene	ND		308	346		ug/Kg	☼	112	60 - 120	5	14

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Nitrobenzene-d5	60		42 - 110
2-Fluorobiphenyl (Surr)	134	S1+	49 - 110
p-Terphenyl-d14	104		49 - 134

Lab Sample ID: MB 590-56233/1-A
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		10	2.2	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
2-Methylnaphthalene	ND		10	3.1	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
1-Methylnaphthalene	ND		10	2.2	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Acenaphthylene	ND		10	3.3	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Acenaphthene	ND		10	2.5	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Fluorene	ND		10	2.2	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Phenanthrene	ND		10	3.6	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Anthracene	ND		10	2.0	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Fluoranthene	ND		10	2.5	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Pyrene	ND		10	3.8	ug/Kg		09/08/25 13:34	09/09/25 14:57	1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: MB 590-56233/1-A
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56233

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[a]anthracene	ND		10	2.1	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Chrysene	ND		10	1.5	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Benzo[b]fluoranthene	ND		10	3.5	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Benzo[k]fluoranthene	ND		10	2.5	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Benzo[a]pyrene	ND		10	4.2	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Indeno[1,2,3-cd]pyrene	ND		10	3.0	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Dibenz(a,h)anthracene	ND		10	2.8	ug/Kg		09/08/25 13:34	09/09/25 14:57	1
Benzo[g,h,i]perylene	ND		10	2.4	ug/Kg		09/08/25 13:34	09/09/25 14:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*109*		*42 - 110*	*09/08/25 13:34*	*09/09/25 14:57*	*1*
2-Fluorobiphenyl (Surr)	*91*		*49 - 110*	*09/08/25 13:34*	*09/09/25 14:57*	*1*
p-Terphenyl-d14	*114*		*49 - 134*	*09/08/25 13:34*	*09/09/25 14:57*	*1*

Lab Sample ID: LCS 590-56233/2-A
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56233

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	267	236		ug/Kg		88	43 - 108
2-Methylnaphthalene	267	287		ug/Kg		108	45 - 111
1-Methylnaphthalene	267	287		ug/Kg		108	44 - 111
Acenaphthylene	267	270		ug/Kg		101	57 - 120
Acenaphthene	267	276		ug/Kg		104	56 - 120
Fluorene	267	286		ug/Kg		107	59 - 120
Phenanthrene	267	307		ug/Kg		115	60 - 128
Anthracene	267	273		ug/Kg		103	60 - 130
Fluoranthene	267	304		ug/Kg		114	67 - 141
Pyrene	267	325		ug/Kg		122	64 - 122
Benzo[a]anthracene	267	324		ug/Kg		122	65 - 131
Chrysene	267	254		ug/Kg		95	64 - 120
Benzo[b]fluoranthene	267	306		ug/Kg		115	56 - 129
Benzo[k]fluoranthene	267	279		ug/Kg		104	62 - 135
Benzo[a]pyrene	267	307		ug/Kg		115	60 - 120
Indeno[1,2,3-cd]pyrene	267	304		ug/Kg		114	65 - 120
Dibenz(a,h)anthracene	267	305		ug/Kg		114	64 - 128
Benzo[g,h,i]perylene	267	312		ug/Kg		117	60 - 127

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*105*		*42 - 110*
2-Fluorobiphenyl (Surr)	*88*		*49 - 110*
p-Terphenyl-d14	*112*		*49 - 134*

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-32822-2 MS — **Client Sample ID: TP1-3 dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	95	J F1	342	446		ug/Kg	☼	102	37 - 120
2-Methylnaphthalene	92	J F1	342	439		ug/Kg	☼	101	45 - 120
1-Methylnaphthalene	130	F1	342	551	F1	ug/Kg	☼	124	44 - 120
Acenaphthylene	ND		342	375		ug/Kg	☼	110	52 - 120
Acenaphthene	52	J F1	342	507	F1	ug/Kg	☼	133	52 - 120
Fluorene	32	J F1	342	461	F1	ug/Kg	☼	125	56 - 120
Phenanthrene	150	F1	342	577	F1	ug/Kg	☼	126	60 - 120
Anthracene	230	F1 F2	342	522		ug/Kg	☼	86	54 - 120
Fluoranthene	ND	F1 F2	342	381		ug/Kg	☼	111	62 - 120
Pyrene	1100	F1 F2	342	1540	F1	ug/Kg	☼	137	58 - 122
Benzo[a]anthracene	ND	F1	342	436	F1	ug/Kg	☼	128	65 - 122
Chrysene	ND		342	344		ug/Kg	☼	101	53 - 120
Benzo[b]fluoranthene	ND		342	349		ug/Kg	☼	102	56 - 122
Benzo[k]fluoranthene	ND	F1	342	396		ug/Kg	☼	116	53 - 120
Benzo[a]pyrene	ND		342	381		ug/Kg	☼	112	56 - 120
Indeno[1,2,3-cd]pyrene	ND		342	379		ug/Kg	☼	111	59 - 120
Dibenz(a,h)anthracene	ND		342	373		ug/Kg	☼	109	59 - 120
Benzo[g,h,i]perylene	ND		342	382		ug/Kg	☼	112	60 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Nitrobenzene-d5	*117*	*S1+*	*42 - 110*
2-Fluorobiphenyl (Surr)	*93*		*49 - 110*
p-Terphenyl-d14	*103*		*49 - 134*

Lab Sample ID: 590-32822-2 MSD — **Client Sample ID: TP1-3 dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56262 — **Prep Batch: 56233**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene	95	J F1	333	499	F1	ug/Kg	☼	121	37 - 120	11	35
2-Methylnaphthalene	92	J F1	333	501	F1	ug/Kg	☼	123	45 - 120	13	29
1-Methylnaphthalene	130	F1	333	679	F1	ug/Kg	☼	165	44 - 120	21	28
Acenaphthylene	ND		333	378		ug/Kg	☼	113	52 - 120	1	23
Acenaphthene	52	J F1	333	529	F1	ug/Kg	☼	143	52 - 120	4	22
Fluorene	32	J F1	333	492	F1	ug/Kg	☼	138	56 - 120	7	22
Phenanthrene	150	F1	333	677	F1	ug/Kg	☼	159	60 - 120	16	20
Anthracene	230	F1 F2	333	695	F1 F2	ug/Kg	☼	140	54 - 120	28	22
Fluoranthene	ND	F1 F2	333	527	F1 F2	ug/Kg	☼	158	62 - 120	32	19
Pyrene	1100	F1 F2	333	2310	F1 F2	ug/Kg	☼	371	58 - 122	40	16
Benzo[a]anthracene	ND	F1	333	456	F1	ug/Kg	☼	137	65 - 122	4	21
Chrysene	ND		333	358		ug/Kg	☼	107	53 - 120	4	16
Benzo[b]fluoranthene	ND		333	354		ug/Kg	☼	106	56 - 122	1	24
Benzo[k]fluoranthene	ND	F1	333	405	F1	ug/Kg	☼	121	53 - 120	2	19
Benzo[a]pyrene	ND		333	379		ug/Kg	☼	114	56 - 120	1	20
Indeno[1,2,3-cd]pyrene	ND		333	369		ug/Kg	☼	111	59 - 120	3	15
Dibenz(a,h)anthracene	ND		333	366		ug/Kg	☼	110	59 - 120	2	15
Benzo[g,h,i]perylene	ND		333	386		ug/Kg	☼	116	60 - 120	1	14

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 590-32822-2 MSD
Matrix: Solid
Analysis Batch: 56262

Client Sample ID: TP1-3 dup
Prep Type: Total/NA
Prep Batch: 56233

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Nitrobenzene-d5	*90*		*42 - 110*
2-Fluorobiphenyl (Surr)	*93*		*49 - 110*
p-Terphenyl-d14	*109*		*49 - 134*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-56114/1-A
Matrix: Solid
Analysis Batch: 56234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56114

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		09/03/25 08:54	09/08/25 19:46	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		09/03/25 08:54	09/08/25 19:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*97*		*50 - 150*	*09/03/25 08:54*	*09/08/25 19:46*	*1*
n-Triacontane-d62	*112*		*50 - 150*	*09/03/25 08:54*	*09/08/25 19:46*	*1*

Lab Sample ID: LCS 590-56114/2-A
Matrix: Solid
Analysis Batch: 56234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56114

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Diesel Range Organics (DRO) (C10-C25)	66.7	56.8		mg/Kg		85	50 - 150
Residual Range Organics (RRO) (C25-C36)	66.7	60.8		mg/Kg		91	50 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*101*		*50 - 150*
n-Triacontane-d62	*108*		*50 - 150*

Lab Sample ID: 590-32819-A-1-C DU
Matrix: Solid
Analysis Batch: 56234

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 56114

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND		ND		mg/Kg	☼	NC	40
Residual Range Organics (RRO) (C25-C36)	ND		ND		mg/Kg	☼	NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*90*		*50 - 150*
n-Triacontane-d62	*95*		*50 - 150*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC) (Continued)

Lab Sample ID: 590-32887-A-1-G DU
Matrix: Solid
Analysis Batch: 56234

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 56114

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	48	J	ND		mg/Kg	☼	NC	40
Residual Range Organics (RRO) (C25-C36)	180	J	185	J	mg/Kg	☼	2	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*73*		*50 - 150*
n-Triacontane-d62	*77*		*50 - 150*

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 590-56214/2-A
Matrix: Solid
Analysis Batch: 56231

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56214

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.3	0.50	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Barium	ND		1.3	0.34	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Cadmium	ND		1.0	0.21	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Chromium	ND		1.3	0.18	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Lead	ND		3.0	1.5	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Selenium	ND		5.0	3.0	mg/Kg		09/06/25 12:00	09/06/25 21:43	1
Silver	ND		1.3	0.29	mg/Kg		09/06/25 12:00	09/06/25 21:43	1

Lab Sample ID: LCS 590-56214/1-A
Matrix: Solid
Analysis Batch: 56231

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56214

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	100	89.1		mg/Kg		89	80 - 120
Barium	100	96.0		mg/Kg		96	80 - 120
Cadmium	50.0	43.5		mg/Kg		87	80 - 120
Chromium	50.0	45.8		mg/Kg		92	80 - 120
Lead	50.0	46.7		mg/Kg		93	80 - 120
Selenium	100	89.6		mg/Kg		90	80 - 120
Silver	5.00	4.61		mg/Kg		92	80 - 120

Lab Sample ID: 590-32770-A-34-D MS
Matrix: Solid
Analysis Batch: 56231

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 56214

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	41		103	142		mg/Kg	☼	97	75 - 125
Barium	16		103	123		mg/Kg	☼	104	75 - 125
Cadmium	2.3	J	51.6	51.4		mg/Kg	☼	95	75 - 125
Chromium	5.2	J	51.6	55.3		mg/Kg	☼	97	75 - 125
Lead	930		51.6	1170	4	mg/Kg	☼	462	75 - 125
Selenium	ND		103	101		mg/Kg	☼	98	75 - 125
Silver	ND	F1	5.16	6.99	J F1	mg/Kg	☼	135	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 590-32770-A-34-E MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56231 — **Prep Batch: 56214**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	41		97.1	133		mg/Kg	☼	94	75 - 125	6	20
Barium	16		97.1	135		mg/Kg	☼	122	75 - 125	9	20
Cadmium	2.3	J	48.6	48.3		mg/Kg	☼	95	75 - 125	6	20
Chromium	5.2	J	48.6	54.9		mg/Kg	☼	102	75 - 125	1	20
Lead	930		48.6	1330	4	mg/Kg	☼	831	75 - 125	13	20
Selenium	ND		97.1	91.4		mg/Kg	☼	94	75 - 125	10	20
Silver	ND	F1	4.86	6.46	J F1	mg/Kg	☼	133	75 - 125	8	20

Lab Sample ID: 590-32770-A-34-F DU — **Client Sample ID: Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56231 — **Prep Batch: 56214**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	41		69.1	F3	mg/Kg	☼	50	20
Barium	16		39.3	F3	mg/Kg	☼	84	20
Cadmium	2.3	J	4.09	J F5	mg/Kg	☼	58	20
Chromium	5.2	J	8.65	J F5	mg/Kg	☼	50	20
Lead	930		1290	F3	mg/Kg	☼	32	20
Selenium	ND		ND		mg/Kg	☼	NC	20
Silver	ND	F1	ND		mg/Kg	☼	NC	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 590-56237/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56249 — **Prep Batch: 56237**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		50	12	ug/Kg		09/08/25 11:03	09/08/25 16:47	1

Lab Sample ID: LCS 590-56237/1-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56249 — **Prep Batch: 56237**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	200	179		ug/Kg		90	80 - 120

Lab Sample ID: 590-32770-A-34-I MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56249 — **Prep Batch: 56237**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	370	F1	212	517	F1	ug/Kg	☼	68	80 - 120

Lab Sample ID: 590-32770-A-34-J MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56249 — **Prep Batch: 56237**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	370	F1	208	523	F1	ug/Kg	☼	72	80 - 120	1	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: 590-32770-A-34-H DU
Matrix: Solid
Analysis Batch: 56249

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 56237

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Mercury	370	F1		323		ug/Kg	☼			14	20

Client Sample ID: TP1-3
Lab Sample ID: 590-32822-1
Date Collected: 08/25/25 09:00
Matrix: Solid
Date Received: 08/27/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP1-3
Lab Sample ID: 590-32822-1
Date Collected: 08/25/25 09:00
Matrix: Solid
Date Received: 08/27/25 09:15
Percent Solids: 73.9

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			12.018 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 18:32	JSP	EET SPK
Total/NA	Prep	5035			12.018 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	56229	09/08/25 14:02	JSP	EET SPK
Total/NA	Prep	3550C			15.43 g	2 mL	56035	08/29/25 08:45	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	56050	08/29/25 17:04	NMI	EET SPK
Total/NA	Prep	3550C			15.03 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	56267	09/10/25 05:32	NMI	EET SPK
Total/NA	Prep	3050B			1.38 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 22:53	AMB	EET SPK
Total/NA	Prep	7471B			0.71 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:19	AMB	EET SPK

Client Sample ID: TP1-3 dup
Lab Sample ID: 590-32822-2
Date Collected: 08/25/25 09:00
Matrix: Solid
Date Received: 08/27/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP1-3 dup
Lab Sample ID: 590-32822-2
Date Collected: 08/25/25 09:00
Matrix: Solid
Date Received: 08/27/25 09:15
Percent Solids: 76.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			13.565 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 18:55	JSP	EET SPK
Total/NA	Prep	5035			13.565 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	56229	09/08/25 14:27	JSP	EET SPK
Total/NA	Prep	3550C			15.72 g	2 mL	56233	09/08/25 13:34	M1M	EET SPK
Total/NA	Analysis	8270E SIM		10	1 uL	1 uL	56262	09/09/25 15:41	NMI	EET SPK
Total/NA	Prep	3550C			15.53 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56234	09/09/25 00:30	NMI	EET SPK
Total/NA	Prep	3050B			1.38 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 23:13	AMB	EET SPK
Total/NA	Prep	7471B			0.69 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:22	AMB	EET SPK

Client Sample ID: TP2-3
Date Collected: 08/25/25 09:15
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP2-3
Date Collected: 08/25/25 09:15
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-3
Matrix: Solid
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.107 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 19:17	JSP	EET SPK
Total/NA	Prep	5035			11.107 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	56188	09/05/25 19:17	JSP	EET SPK
Total/NA	Prep	3550C			15.05 g	2 mL	56171	09/05/25 08:46	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	56172	09/05/25 12:46	NMI	EET SPK
Total/NA	Prep	3550C			15.49 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56234	09/09/25 00:52	NMI	EET SPK
Total/NA	Prep	3050B			1.54 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 23:18	AMB	EET SPK
Total/NA	Prep	7471B			0.59 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:24	AMB	EET SPK

Client Sample ID: TP3-3
Date Collected: 08/25/25 09:27
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP3-3
Date Collected: 08/25/25 09:27
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-4
Matrix: Solid
Percent Solids: 83.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.122 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 19:40	JSP	EET SPK
Total/NA	Prep	5035			11.122 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	56229	09/08/25 14:52	JSP	EET SPK
Total/NA	Prep	3550C			15.40 g	2 mL	56171	09/05/25 08:46	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	56172	09/05/25 13:08	NMI	EET SPK
Total/NA	Prep	3550C			15.37 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	56267	09/10/25 05:54	NMI	EET SPK
Total/NA	Prep	3050B			1.46 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 23:23	AMB	EET SPK
Total/NA	Prep	7471B			0.63 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:27	AMB	EET SPK

Client Sample ID: TP4-2
Date Collected: 08/25/25 09:40
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP4-2
Date Collected: 08/25/25 09:40
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-5
Matrix: Solid
Percent Solids: 76.0

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.331 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 20:02	JSP	EET SPK
Total/NA	Prep	5035			11.331 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	0.86 mL	43 mL	56188	09/05/25 20:02	JSP	EET SPK
Total/NA	Prep	3550C			15.09 g	2 mL	56171	09/05/25 08:46	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	56172	09/05/25 13:30	NMI	EET SPK
Total/NA	Prep	3550C			15.12 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56234	09/09/25 01:36	NMI	EET SPK
Total/NA	Prep	3050B			1.57 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 23:29	AMB	EET SPK
Total/NA	Prep	7471B			0.68 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:29	AMB	EET SPK

Client Sample ID: TP5-2
Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56005	08/28/25 08:09	M1M	EET SPK

Client Sample ID: TP5-2
Date Collected: 08/25/25 09:55
Date Received: 08/27/25 09:15

Lab Sample ID: 590-32822-6
Matrix: Solid
Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			11.279 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 20:25	JSP	EET SPK
Total/NA	Prep	5035			11.279 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		10	0.86 mL	43 mL	56230	09/08/25 15:17	JSP	EET SPK
Total/NA	Prep	5035			11.279 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		10	0.86 mL	43 mL	56229	09/08/25 15:17	JSP	EET SPK
Total/NA	Prep	3550C			15.15 g	2 mL	56171	09/05/25 08:46	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	56172	09/05/25 13:53	NMI	EET SPK
Total/NA	Prep	3550C			15.02 g	5 mL	56114	09/03/25 08:54	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56234	09/09/25 02:19	NMI	EET SPK
Total/NA	Prep	3050B			1.42 g	50 mL	56214	09/06/25 12:00	AMB	EET SPK
Total/NA	Analysis	6010D		10			56231	09/06/25 23:34	AMB	EET SPK

Client Sample ID: TP5-2

Lab Sample ID: 590-32822-6

Date Collected: 08/25/25 09:55

Matrix: Solid

Date Received: 08/27/25 09:15

Percent Solids: 73.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			0.75 g	50 mL	56237	09/08/25 14:07	AMB	EET SPK
Total/NA	Analysis	7471B		1			56249	09/08/25 18:32	AMB	EET SPK

Client Sample ID: Trip Blank

Lab Sample ID: 590-32822-7

Date Collected: 08/25/25 00:00

Matrix: Solid

Date Received: 08/27/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			9.873 g	10 mL	56185	09/05/25 11:26	JSP	EET SPK
Total/NA	Analysis	8260D		1	0.86 mL	43 mL	56189	09/05/25 21:09	JSP	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32822-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
6010D	Metals (ICP)	SW846	EET SPK
7471B	Mercury (CVAA)	SW846	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3050B	Preparation, Metals	SW846	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK
5035	Closed System Purge and Trap	SW846	EET SPK
7471B	Preparation, Mercury	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13667-3674.1
Client Contact: Jonathon White	Phone: 541 387 4422	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin:	Page: Page 1 of 2
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days):			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jwhite@msbaenvironmental.com	WO #:			
Project Name: Lawrence Oil - St Helens	Project #: 59002184			
Site: Lawrence Oil - St Helens	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water S=solid, O=waste/oil BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	[redacted]	8260D	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	N			
TP1-3	8/25/25	09 00	G	Solid			✓	✓				
TP1-3 dup	8/25/25	09 00	G	Solid			✓	✓				
TP2-3	8/25/25	09:15	G	Solid			✓	✓				
TP3-3	8/25/25	09 27	G	Solid			✓	✓				
TP4-2	8/25/25	09:40	G	Solid			✓	✓				
TP5-2	8/25/25	09:55	G	Solid			✓	✓				
Trip Blank	8/25/25	—	—	Solid						✓		prepared by Laboratory
				Solid								
				Solid								
				Solid								
				Solid								

590-32822 Chain of Custody

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

Sample Disposal (A fee may be assessed
☐ Return To Client ☐ Disposal

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Jon White	8/26/25 - 15 00	MSBA	[illegible]	8/27/25 8:15	FEDEX
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

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

Cooler Temperature(s) °C and Other Remarks: 4.9, 4.9 IR001

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32822-1

Login Number: 32822
List Number: 1
Creator: Desimone, Carson

List Source: Eurofins Spokane

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

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 9/10/2025 5:31:42 PM

JOB DESCRIPTION

Lawrence Oil-St. Helens

JOB NUMBER

590-32916-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

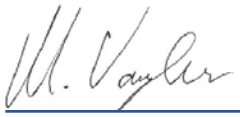
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
9/10/2025 5:31:42 PM

Authorized for release by
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Designee for
Randee Arrington, Business Unit Manager
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DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Definitions 6
Client Sample Results 7
QC Sample Results 9
Chronicle 10
Certification Summary 13
Method Summary 14
Chain of Custody 15
Receipt Checklists 16

Job Narrative
590-32916-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/3/2025 9:50 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.1°C.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to oil overlap.

S11-3 (590-32916-2)

Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel and/or a light weight oil.

S12-3 (590-32916-3), S13-2.5 (590-32916-4), S12-3 dup (590-32916-7) and (590-32916-A-3-B DU)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32916-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-32916-1	S10-3	Solid	08/29/25 11:09	09/03/25 09:50	Oregon
590-32916-2	S11-3	Solid	08/29/25 11:15	09/03/25 09:50	Oregon
590-32916-3	S12-3	Solid	08/29/25 11:24	09/03/25 09:50	Oregon
590-32916-4	S13-2.5	Solid	08/29/25 11:33	09/03/25 09:50	Oregon
590-32916-5	S14-2	Solid	08/29/25 11:47	09/03/25 09:50	Oregon
590-32916-6	S15-2	Solid	08/29/25 11:58	09/03/25 09:50	Oregon
590-32916-7	S12-3 dup	Solid	08/29/25 11:24	09/03/25 09:50	Oregon

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32916-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: S10-3

Lab Sample ID: 590-32916-1

Date Collected: 08/29/25 11:09

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 71.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		14	5.7	mg/Kg	☼	09/09/25 09:08	09/10/25 00:05	1
Residual Range Organics (RRO) (C25-C36)	ND		34	6.8	mg/Kg	☼	09/09/25 09:08	09/10/25 00:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*84*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:05*	*1*
n-Triacontane-d62	*106*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:05*	*1*

Client Sample ID: S11-3

Lab Sample ID: 590-32916-2

Date Collected: 08/29/25 11:15

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 69.2

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**94**		14	6.0	mg/Kg	☼	09/09/25 09:08	09/10/25 00:27	1
Residual Range Organics (RRO) (C25-C36)	**1000**		36	7.2	mg/Kg	☼	09/09/25 09:08	09/10/25 00:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:27*	*1*
n-Triacontane-d62	*108*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:27*	*1*

Client Sample ID: S12-3

Lab Sample ID: 590-32916-3

Date Collected: 08/29/25 11:24

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 84.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**260**		12	4.9	mg/Kg	☼	09/09/25 09:08	09/10/25 00:49	1
Residual Range Organics (RRO) (C25-C36)	**200**		29	5.9	mg/Kg	☼	09/09/25 09:08	09/10/25 00:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:49*	*1*
n-Triacontane-d62	*109*		*50 - 150*	*09/09/25 09:08*	*09/10/25 00:49*	*1*

Client Sample ID: S13-2.5

Lab Sample ID: 590-32916-4

Date Collected: 08/29/25 11:33

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 72.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**21**		14	5.8	mg/Kg	☼	09/09/25 09:08	09/10/25 01:32	1
Residual Range Organics (RRO) (C25-C36)	**8.7**	**J**	34	6.9	mg/Kg	☼	09/09/25 09:08	09/10/25 01:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/09/25 09:08*	*09/10/25 01:32*	*1*
n-Triacontane-d62	*116*		*50 - 150*	*09/09/25 09:08*	*09/10/25 01:32*	*1*

Client Sample ID: S14-2

Lab Sample ID: 590-32916-5

Date Collected: 08/29/25 11:47

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 62.3

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		16	6.7	mg/Kg	☼	09/09/25 09:08	09/10/25 01:54	1
Residual Range Organics (RRO) (C25-C36)	**9.2**	**J**	40	8.0	mg/Kg	☼	09/09/25 09:08	09/10/25 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*82*		*50 - 150*	*09/09/25 09:08*	*09/10/25 01:54*	*1*
n-Triacontane-d62	*103*		*50 - 150*	*09/09/25 09:08*	*09/10/25 01:54*	*1*

Client Sample ID: S15-2

Lab Sample ID: 590-32916-6

Date Collected: 08/29/25 11:58

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 68.1

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		14	5.9	mg/Kg	☼	09/09/25 09:08	09/10/25 02:16	1
Residual Range Organics (RRO) (C25-C36)	**13**	**J**	35	7.0	mg/Kg	☼	09/09/25 09:08	09/10/25 02:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*92*		*50 - 150*	*09/09/25 09:08*	*09/10/25 02:16*	*1*
n-Triacontane-d62	*113*		*50 - 150*	*09/09/25 09:08*	*09/10/25 02:16*	*1*

Client Sample ID: S12-3 dup

Lab Sample ID: 590-32916-7

Date Collected: 08/29/25 11:24

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 85.5

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**200**		11	4.7	mg/Kg	☼	09/09/25 09:08	09/10/25 02:38	1
Residual Range Organics (RRO) (C25-C36)	**240**		28	5.6	mg/Kg	☼	09/09/25 09:08	09/10/25 02:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*91*		*50 - 150*	*09/09/25 09:08*	*09/10/25 02:38*	*1*
n-Triacontane-d62	*110*		*50 - 150*	*09/09/25 09:08*	*09/10/25 02:38*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-56258/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56267 — **Prep Batch: 56258**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		09/09/25 09:08	09/09/25 23:21	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		09/09/25 09:08	09/09/25 23:21	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/09/25 09:08*	*09/09/25 23:21*	*1*
n-Triacontane-d62	*107*		*50 - 150*	*09/09/25 09:08*	*09/09/25 23:21*	*1*

Lab Sample ID: LCS 590-56258/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56267 — **Prep Batch: 56258**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	47.8		mg/Kg		72	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	60.5		mg/Kg		91	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*91*		*50 - 150*
n-Triacontane-d62	*105*		*50 - 150*

Lab Sample ID: 590-32916-3 DU — **Client Sample ID: S12-3**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 56267 — **Prep Batch: 56258**

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	260			306		mg/Kg	☼			16	40
Residual Range Organics (RRO) (C25-C36)	200			183		mg/Kg	☼			11	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*93*		*50 - 150*
n-Triacontane-d62	*111*		*50 - 150*

Client Sample ID: S10-3 — **Lab Sample ID: 590-32916-1**
Date Collected: 08/29/25 11:09 — **Matrix: Solid**
Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S10-3 — **Lab Sample ID: 590-32916-1**
Date Collected: 08/29/25 11:09 — **Matrix: Solid**
Date Received: 09/03/25 09:50 — **Percent Solids: 71.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.35 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 00:05	NMI	EET SPK

Client Sample ID: S11-3 — **Lab Sample ID: 590-32916-2**
Date Collected: 08/29/25 11:15 — **Matrix: Solid**
Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S11-3 — **Lab Sample ID: 590-32916-2**
Date Collected: 08/29/25 11:15 — **Matrix: Solid**
Date Received: 09/03/25 09:50 — **Percent Solids: 69.2**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.06 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 00:27	NMI	EET SPK

Client Sample ID: S12-3 — **Lab Sample ID: 590-32916-3**
Date Collected: 08/29/25 11:24 — **Matrix: Solid**
Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S12-3 — **Lab Sample ID: 590-32916-3**
Date Collected: 08/29/25 11:24 — **Matrix: Solid**
Date Received: 09/03/25 09:50 — **Percent Solids: 84.7**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.07 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 00:49	NMI	EET SPK

Client Sample ID: S13-2.5 — **Lab Sample ID: 590-32916-4**
Date Collected: 08/29/25 11:33 — **Matrix: Solid**
Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S13-2.5

Lab Sample ID: 590-32916-4

Date Collected: 08/29/25 11:33

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 72.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.05 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 01:32	NMI	EET SPK

Client Sample ID: S14-2

Lab Sample ID: 590-32916-5

Date Collected: 08/29/25 11:47

Matrix: Solid

Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S14-2

Lab Sample ID: 590-32916-5

Date Collected: 08/29/25 11:47

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 62.3

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.10 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 01:54	NMI	EET SPK

Client Sample ID: S15-2

Lab Sample ID: 590-32916-6

Date Collected: 08/29/25 11:58

Matrix: Solid

Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

Client Sample ID: S15-2

Lab Sample ID: 590-32916-6

Date Collected: 08/29/25 11:58

Matrix: Solid

Date Received: 09/03/25 09:50

Percent Solids: 68.1

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.62 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 02:16	NMI	EET SPK

Client Sample ID: S12-3 dup

Lab Sample ID: 590-32916-7

Date Collected: 08/29/25 11:24

Matrix: Solid

Date Received: 09/03/25 09:50

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56161	09/04/25 13:25	M1M	EET SPK

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32916-1

Client Sample ID: S12-3 dup
Date Collected: 08/29/25 11:24
Date Received: 09/03/25 09:50

Lab Sample ID: 590-32916-7
Matrix: Solid
Percent Solids: 85.5

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.76 g	5 mL	56258	09/09/25 09:08	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	56267	09/10/25 02:38	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32916-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil-St. Helens

Job ID: 590-32916-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: J White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13667-3674.2
Client Contact: Jonathon White	Phone: 541.387.4422	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin:	Page: ~~Page 2 of 2~~ 1 of 1
Company: Martin S Burck Associates	PWSID:	Analysis Requested		Job #:
Address: 200 North Wasco Ct	Due Date Requested:			Preservation Codes: N None; F MeOH
City: Hood River	TAT Requested (days):			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jwhite@msbaenvironmental.com	WO #:			
Project Name: Lawrence Oil - St Helens	Project #: 59002184			Other:
Site: Lawrence Oil - St Helens	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	NWTPH-DX	Hold	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	F	N				
S10-3	8/29/25	11:09	G	Solid						✓			
S11-3	8/29/25	11:15	G	Solid						✓			
S12-3	8/29/25	11:24	G	Solid						✓			
S13-2.5	8/29/25	11:33	G	Solid						✓			
S14-2	8/29/25	11:47	G	Solid						✓			
S15-2	8/29/25	11:58	G	Solid						✓			
S12-3 dup	8/29/25	11 24	G	Solid						✓			
Trip Blank	8/29/25			Solid							✓		
				Solid									
				Solid									
				Solid									

590-32916 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Jon White	9/2/25 - 11:30		Brian Bam	9/2/25 915	ERTSP
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 3, 3, 3.1 IR005

9/10/2025

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32916-1

Login Number: 32916

List Source: Eurofins Spokane

List Number: 1

Creator: Desimone, Carson

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

DRAFT

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 9/18/2025 1:27:26 PM

JOB DESCRIPTION

Lawrence Oil - St. Helens

JOB NUMBER

590-33123-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

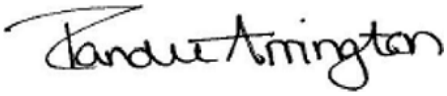
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Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



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9/18/2025 1:27:26 PM

Authorized for release by
Randee Arrington, Business Unit Manager
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DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 5
Definitions 6
Client Sample Results 7
QC Sample Results 8
Chronicle 9
Certification Summary 10
Method Summary 11
Chain of Custody 12
Receipt Checklists 13

Job Narrative
590-33123-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 9/11/2025 3:46 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 5.7°C.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the oil range appear to be due to weathered diesel overlap.

TP6-3 (590-33123-1)

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: TP6-3 (590-33123-1). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: Surrogate recovery for the following sample was outside control limits: TP7-3 (590-33123-2). Evidence of matrix interference due to high target analytes is present; therefore, re-extraction and/or re-analysis was not performed.

Method NWTPH_Dx: Detected hydrocarbons appear to be due to heavily weathered diesel.

TP7-3 (590-33123-2)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil - St. Helens

Job ID: 590-33123-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-33123-1	TP6-3	Solid	09/08/25 10:53	09/11/25 15:46	Oregon
590-33123-2	TP7-3	Solid	09/08/25 11:47	09/11/25 15:46	Oregon

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
S1+	Surrogate recovery exceeds control limits, high biased.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: TP6-3

Lab Sample ID: 590-33123-1

Date Collected: 09/08/25 10:53

Matrix: Solid

Date Received: 09/11/25 15:46

Percent Solids: 91.7

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	6000		110	45	mg/Kg	☼	09/15/25 09:23	09/16/25 13:32	10
Residual Range Organics (RRO) (C25-C36)	160	J	270	54	mg/Kg	☼	09/15/25 09:23	09/16/25 13:32	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*250*	*S1+*	*50 - 150*	*09/15/25 09:23*	*09/16/25 13:32*	*10*
n-Triacontane-d62	*140*		*50 - 150*	*09/15/25 09:23*	*09/16/25 13:32*	*10*

Client Sample ID: TP7-3

Lab Sample ID: 590-33123-2

Date Collected: 09/08/25 11:47

Matrix: Solid

Date Received: 09/11/25 15:46

Percent Solids: 91.4

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	5000		110	45	mg/Kg	☼	09/15/25 09:23	09/17/25 18:46	10
Residual Range Organics (RRO) (C25-C36)	180	J	270	54	mg/Kg	☼	09/15/25 09:23	09/17/25 18:46	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*238*	*S1+*	*50 - 150*	*09/15/25 09:23*	*09/17/25 18:46*	*10*
n-Triacontane-d62	*102*		*50 - 150*	*09/15/25 09:23*	*09/17/25 18:46*	*10*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-56367/1-A
Matrix: Solid
Analysis Batch: 56364

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 56367

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		10	4.2	mg/Kg		09/15/25 09:23	09/16/25 07:36	1
Residual Range Organics (RRO) (C25-C36)	ND		25	5.0	mg/Kg		09/15/25 09:23	09/16/25 07:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*89*		*50 - 150*	*09/15/25 09:23*	*09/16/25 07:36*	*1*
n-Triacontane-d62	*100*		*50 - 150*	*09/15/25 09:23*	*09/16/25 07:36*	*1*

Lab Sample ID: LCS 590-56367/2-A
Matrix: Solid
Analysis Batch: 56364

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 56367

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			66.7	55.9		mg/Kg		84	50 - 150		
Residual Range Organics (RRO) (C25-C36)			66.7	59.4		mg/Kg		89	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*95*		*50 - 150*
n-Triacontane-d62	*75*		*50 - 150*

Lab Sample ID: 590-33145-A-1-B DU
Matrix: Solid
Analysis Batch: 56364

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 56367

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)	ND			ND		mg/Kg	☼			NC	40
Residual Range Organics (RRO) (C25-C36)	ND			5.91	J	mg/Kg	☼			NC	40

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
o-Terphenyl	*101*		*50 - 150*
n-Triacontane-d62	*108*		*50 - 150*

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil - St. Helens

Job ID: 590-33123-1

Client Sample ID: TP6-3

Lab Sample ID: 590-33123-1

Date Collected: 09/08/25 10:53

Matrix: Solid

Date Received: 09/11/25 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56390	09/15/25 14:49	M1M	EET SPK

Client Sample ID: TP6-3

Lab Sample ID: 590-33123-1

Date Collected: 09/08/25 10:53

Matrix: Solid

Date Received: 09/11/25 15:46

Percent Solids: 91.7

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.08 g	5 mL	56367	09/15/25 09:23	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	56364	09/16/25 13:32	NMI	EET SPK

Client Sample ID: TP7-3

Lab Sample ID: 590-33123-2

Date Collected: 09/08/25 11:47

Matrix: Solid

Date Received: 09/11/25 15:46

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1			56390	09/15/25 14:49	M1M	EET SPK

Client Sample ID: TP7-3

Lab Sample ID: 590-33123-2

Date Collected: 09/08/25 11:47

Matrix: Solid

Date Received: 09/11/25 15:46

Percent Solids: 91.4

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3550C			15.34 g	5 mL	56367	09/15/25 09:23	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		10	1 mL	1 mL	56444	09/17/25 18:46	NMI	EET SPK

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil - St. Helens

Job ID: 590-33123-1

Laboratory: Eurofins Spokane

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil - St. Helens

Job ID: 590-33123-1

Method	Method Description	Protocol	Laboratory
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
Moisture	Percent Moisture	EPA	EET SPK
3550C	Ultrasonic Extraction	SW846	EET SPK

Protocol References:

EPA = US Environmental Protection Agency

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 E 1st Avenue

Spokane, WA 99206-5302
phone 509.924.9200 fax 509 924 9290

Chain of Custody Record

eurofins Environment Testing America

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Eurofins Environment Testing America

Client Contact	Project Manager: Josh Owen	Site Contact:	Date:	COC No:
Martin S Burke Associates	Email: jowen@msbaenvironmental.com	Lab Contact.	Carrier	1 of 1 COCs
Address 200 N Wasco Ct	Tel/Fax			TALS Project #.
City/State/Zip Hood River, OR 97031	**Analysis Turnaround Time**			Sampler:
Phone 541 387 4422	☐ CALENDAR DAYS ☐ WORKING DAYS			**For Lab Use Only**
FAX. 541-387-4813	TAT if different from Below ____			Walk-in Client:
Project Name Lawrence Oil - St Helens	☐ 2 weeks			Lab Sampling
Site: Lawrence Oil - St. Helens	☐ 1 week			
PO# Lawrence Oil	☐ 2 days			Job / SDG No.
	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS/MSD (Y/N)	NWTPH-Dx	Hold	Sample Specific Notes.
TP6-3	9/8/25	10 53	G	Solid	3			✓		
TP7-3	9/8/25	11 47	G	Solid	3			✓		
Trip Blank									✓	prepared by Eurofins

590-33123 Chain of Custody

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4; 4=HNO3, 5=NaOH; 6= Other ____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments

5.1 5.7 IR 06

Custody Seals Intact. ☐ Yes ☐ No	Custody Seal No	Cooler Temp. (°C) Obs'd.	Corr'd:	Therm ID No.:

Relinquished by:	Company: MSBA	Date/Time: 9/10/25 13:05	Received by:	Company: EFISD	Date/Time: 9/11/25 15:46
Relinquished by:	Company:	Date/Time:	Received by	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-33123-1

Login Number: 33123

List Source: Eurofins Spokane

List Number: 1

Creator: Desimone, Carson

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

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Appendix E

Water Sample Laboratory Reports

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ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 8/31/2025 3:56:32 AM

JOB DESCRIPTION

Lawrence Oil

JOB NUMBER

590-32662-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

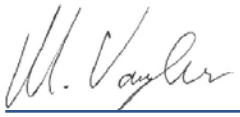
DRAFT

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
8/31/2025 3:56:32 AM

Authorized for release by
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Madison.Vaughan@et.eurofinsus.com
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DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Definitions 7
Client Sample Results 8
QC Sample Results 20
Chronicle 31
Certification Summary 33
Method Summary 34
Chain of Custody 35
Receipt Checklists 38

Job Narrative
590-32662-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 8/19/2025 9:15 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 4.4°C and 5.3°C.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-55883 recovered outside acceptance criteria, low biased, for Naphthalene. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 590-55883 recovered outside control limits for the following analytes: Chloroethane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 590-55883 recovered outside control limits for the following analytes: Chloroethane.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-55883 recovered above the upper control limit for Bromomethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

SW1 (590-32662-1), SW2 (590-32662-2) and SW2 DUP (590-32662-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Metals
Method 6020B - Total Recoverable: The reference method requires samples to be preserved to a pH of <2. The following sample(s) was received with insufficient preservation at a pH of 2>. The sample(s) was preserved to the appropriate pH in the laboratory.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 590-32662-1 (Continued)

Eurofins Spokane

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-32662-1	SW1	Water	08/14/25 11:08	08/19/25 09:15	Oregon
590-32662-2	SW2	Water	08/14/25 11:55	08/19/25 09:15	Oregon
590-32662-3	SW2 DUP	Water	08/14/25 11:55	08/19/25 09:15	Oregon
590-32662-4	EB2-GW	Water	08/14/25 10:35	08/19/25 09:15	Oregon
590-32662-5	Trip Blank	Water	08/14/25 00:00	08/19/25 09:15	Oregon

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client Sample ID: SW1

Date Collected: 08/14/25 11:08
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-1

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 19:33	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 19:33	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 19:33	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 19:33	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 19:33	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 19:33	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:33	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 19:33	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:33	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 19:33	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 19:33	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 19:33	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 19:33	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 19:33	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 19:33	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 19:33	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 19:33	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 19:33	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 19:33	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:33	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 19:33	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 19:33	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 19:33	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 19:33	1
Toluene	**1.1**		1.0	0.31	ug/L			08/21/25 19:33	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 19:33	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 19:33	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 19:33	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 19:33	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 19:33	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 19:33	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 19:33	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 19:33	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 19:33	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 19:33	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 19:33	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 19:33	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 19:33	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 19:33	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 19:33	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 19:33	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 19:33	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 19:33	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 19:33	1
1,3,5-Trimethylbenzene	**0.50**	**J**	1.0	0.32	ug/L			08/21/25 19:33	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 19:33	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 19:33	1
1,2,4-Trimethylbenzene	**0.87**	**J**	1.0	0.31	ug/L			08/21/25 19:33	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 19:33	1

Client Sample ID: SW1
Date Collected: 08/14/25 11:08
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 19:33	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 19:33	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 19:33	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 19:33	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 19:33	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 19:33	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 19:33	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 19:33	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 19:33	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 19:33	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*100*		*80 - 120*		*08/21/25 19:33*	*1*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*		*08/21/25 19:33*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/21/25 19:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*80 - 120*		*08/21/25 19:33*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	**66**	**J**	150	54	ug/L			08/21/25 19:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*68.7 - 141*		*08/21/25 19:33*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.091	0.054	ug/L		08/21/25 08:47	08/21/25 15:37	1
2-Methylnaphthalene	ND		0.091	0.045	ug/L		08/21/25 08:47	08/21/25 15:37	1
1-Methylnaphthalene	**0.029**	**J**	0.091	0.023	ug/L		08/21/25 08:47	08/21/25 15:37	1
Acenaphthylene	ND		0.091	0.016	ug/L		08/21/25 08:47	08/21/25 15:37	1
Acenaphthene	ND		0.091	0.022	ug/L		08/21/25 08:47	08/21/25 15:37	1
Fluorene	ND		0.091	0.016	ug/L		08/21/25 08:47	08/21/25 15:37	1
Phenanthrene	**0.068**	**J**	0.091	0.044	ug/L		08/21/25 08:47	08/21/25 15:37	1
Anthracene	ND		0.091	0.025	ug/L		08/21/25 08:47	08/21/25 15:37	1
Fluoranthene	ND		0.091	0.044	ug/L		08/21/25 08:47	08/21/25 15:37	1
Pyrene	**0.37**		0.091	0.046	ug/L		08/21/25 08:47	08/21/25 15:37	1
Benzo[a]anthracene	ND		0.091	0.028	ug/L		08/21/25 08:47	08/21/25 15:37	1
Chrysene	ND		0.091	0.018	ug/L		08/21/25 08:47	08/21/25 15:37	1
Benzo[b]fluoranthene	ND		0.091	0.025	ug/L		08/21/25 08:47	08/21/25 15:37	1
Benzo[k]fluoranthene	ND		0.091	0.026	ug/L		08/21/25 08:47	08/21/25 15:37	1
Benzo[a]pyrene	ND		0.091	0.021	ug/L		08/21/25 08:47	08/21/25 15:37	1
Indeno[1,2,3-cd]pyrene	ND		0.091	0.022	ug/L		08/21/25 08:47	08/21/25 15:37	1
Dibenz(a,h)anthracene	ND		0.091	0.026	ug/L		08/21/25 08:47	08/21/25 15:37	1
Benzo[g,h,i]perylene	ND		0.091	0.021	ug/L		08/21/25 08:47	08/21/25 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*73*		*44 - 120*	*08/21/25 08:47*	*08/21/25 15:37*	*1*
2-Fluorobiphenyl (Surr)	*73*		*32 - 120*	*08/21/25 08:47*	*08/21/25 15:37*	*1*
p-Terphenyl-d14	*80*		*39 - 120*	*08/21/25 08:47*	*08/21/25 15:37*	*1*

Client Sample ID: SW1

Lab Sample ID: 590-32662-1

Date Collected: 08/14/25 11:08

Matrix: Water

Date Received: 08/19/25 09:15

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	3.1		0.21	0.11	mg/L		08/21/25 09:04	08/21/25 18:38	1
Residual Range Organics (RRO) (C25-C36)	1.2		0.31	0.12	mg/L		08/21/25 09:04	08/21/25 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*86*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:38*	*1*
n-Triacontane-d62	*99*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:38*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.4		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 11:11	1
Chromium	0.84	J	2.0	0.37	ug/L		08/21/25 14:41	08/22/25 11:11	1
Copper	2.1		2.0	0.23	ug/L		08/21/25 14:41	08/22/25 11:11	1
Lead	0.79	J	1.0	0.059	ug/L		08/21/25 14:41	08/22/25 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Non-Purgable Organic (SM 5310C)	23		2.0	1.2	mg/L			08/29/25 23:51	4

Client Sample ID: SW2

Lab Sample ID: 590-32662-2

Date Collected: 08/14/25 11:55

Matrix: Water

Date Received: 08/19/25 09:15

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 19:55	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 19:55	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 19:55	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 19:55	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 19:55	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 19:55	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:55	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 19:55	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:55	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 19:55	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 19:55	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 19:55	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 19:55	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 19:55	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 19:55	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 19:55	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 19:55	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 19:55	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 19:55	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 19:55	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 19:55	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 19:55	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 19:55	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 19:55	1

Client Sample ID: SW2

Date Collected: 08/14/25 11:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-2

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	**0.46**	**J**	1.0	0.31	ug/L			08/21/25 19:55	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 19:55	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 19:55	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 19:55	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 19:55	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 19:55	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 19:55	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 19:55	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 19:55	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 19:55	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 19:55	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 19:55	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 19:55	1
Styrene	**0.69**	**J**	1.0	0.24	ug/L			08/21/25 19:55	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 19:55	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 19:55	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 19:55	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 19:55	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 19:55	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 19:55	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 19:55	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 19:55	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 19:55	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 19:55	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 19:55	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 19:55	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 19:55	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 19:55	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 19:55	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 19:55	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 19:55	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 19:55	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 19:55	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 19:55	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 19:55	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*80 - 120*		*08/21/25 19:55*	*1*
4-Bromofluorobenzene (Surr)	*94*		*76 - 120*		*08/21/25 19:55*	*1*
Dibromofluoromethane (Surr)	*110*		*80 - 123*		*08/21/25 19:55*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/21/25 19:55*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/21/25 19:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*68.7 - 141*		*08/21/25 19:55*	*1*

Client Sample ID: SW2

Date Collected: 08/14/25 11:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-2

Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		08/21/25 08:47	08/21/25 15:59	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		08/21/25 08:47	08/21/25 15:59	1
1-Methylnaphthalene	**0.025**	**J**	0.090	0.023	ug/L		08/21/25 08:47	08/21/25 15:59	1
Acenaphthylene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 15:59	1
Acenaphthene	**0.032**	**J**	0.090	0.022	ug/L		08/21/25 08:47	08/21/25 15:59	1
Fluorene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 15:59	1
Phenanthrene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 15:59	1
Anthracene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 15:59	1
Fluoranthene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 15:59	1
Pyrene	**0.15**		0.090	0.045	ug/L		08/21/25 08:47	08/21/25 15:59	1
Benzo[a]anthracene	ND		0.090	0.028	ug/L		08/21/25 08:47	08/21/25 15:59	1
Chrysene	ND		0.090	0.018	ug/L		08/21/25 08:47	08/21/25 15:59	1
Benzo[b]fluoranthene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 15:59	1
Benzo[k]fluoranthene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 15:59	1
Benzo[a]pyrene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 15:59	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		08/21/25 08:47	08/21/25 15:59	1
Dibenz(a,h)anthracene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 15:59	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*74*		*44 - 120*	*08/21/25 08:47*	*08/21/25 15:59*	*1*
2-Fluorobiphenyl (Surr)	*70*		*32 - 120*	*08/21/25 08:47*	*08/21/25 15:59*	*1*
p-Terphenyl-d14	*73*		*39 - 120*	*08/21/25 08:47*	*08/21/25 15:59*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	**0.97**		0.20	0.11	mg/L		08/21/25 09:04	08/21/25 18:59	1
Residual Range Organics (RRO) (C25-C36)	**0.35**		0.30	0.12	mg/L		08/21/25 09:04	08/21/25 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*76*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:59*	*1*
n-Triacontane-d62	*79*		*50 - 150*	*08/21/25 09:04*	*08/21/25 18:59*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**1.1**		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 11:13	1
Chromium	**1.7**	**J**	2.0	0.37	ug/L		08/21/25 14:41	08/22/25 11:13	1
Copper	**1.2**	**J**	2.0	0.23	ug/L		08/21/25 14:41	08/22/25 11:13	1
Lead	**0.14**	**J**	1.0	0.059	ug/L		08/21/25 14:41	08/22/25 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Non-Purgable Organic (SM 5310C)	**19**		2.0	1.2	mg/L			08/30/25 00:26	4

Client Sample ID: SW2 DUP

Date Collected: 08/14/25 11:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 20:16	1
Chloromethane	**1.0**	**J**	3.0	0.50	ug/L			08/21/25 20:16	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 20:16	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 20:16	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 20:16	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 20:16	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:16	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 20:16	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:16	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 20:16	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 20:16	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 20:16	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 20:16	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 20:16	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 20:16	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 20:16	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 20:16	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 20:16	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 20:16	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:16	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 20:16	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 20:16	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 20:16	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 20:16	1
Toluene	**0.44**	**J**	1.0	0.31	ug/L			08/21/25 20:16	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 20:16	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 20:16	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 20:16	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 20:16	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 20:16	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 20:16	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 20:16	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 20:16	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 20:16	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 20:16	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 20:16	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 20:16	1
Styrene	**0.68**	**J**	1.0	0.24	ug/L			08/21/25 20:16	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 20:16	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 20:16	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 20:16	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 20:16	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 20:16	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 20:16	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 20:16	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 20:16	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 20:16	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 20:16	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 20:16	1

Client Sample ID: SW2 DUP

Date Collected: 08/14/25 11:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-3

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 20:16	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 20:16	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 20:16	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 20:16	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 20:16	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 20:16	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 20:16	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 20:16	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 20:16	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 20:16	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*99*		*80 - 120*		*08/21/25 20:16*	*1*
4-Bromofluorobenzene (Surr)	*95*		*76 - 120*		*08/21/25 20:16*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/21/25 20:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*80 - 120*		*08/21/25 20:16*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/21/25 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*95*		*68.7 - 141*		*08/21/25 20:16*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.088	0.052	ug/L		08/21/25 08:47	08/21/25 16:22	1
2-Methylnaphthalene	ND		0.088	0.043	ug/L		08/21/25 08:47	08/21/25 16:22	1
1-Methylnaphthalene	ND		0.088	0.022	ug/L		08/21/25 08:47	08/21/25 16:22	1
Acenaphthylene	ND		0.088	0.016	ug/L		08/21/25 08:47	08/21/25 16:22	1
Acenaphthene	ND		0.088	0.022	ug/L		08/21/25 08:47	08/21/25 16:22	1
Fluorene	**0.016**	**J**	0.088	0.016	ug/L		08/21/25 08:47	08/21/25 16:22	1
Phenanthrene	ND		0.088	0.042	ug/L		08/21/25 08:47	08/21/25 16:22	1
Anthracene	ND		0.088	0.024	ug/L		08/21/25 08:47	08/21/25 16:22	1
Fluoranthene	**0.055**	**J**	0.088	0.042	ug/L		08/21/25 08:47	08/21/25 16:22	1
Pyrene	**0.15**		0.088	0.044	ug/L		08/21/25 08:47	08/21/25 16:22	1
Benzo[a]anthracene	ND		0.088	0.027	ug/L		08/21/25 08:47	08/21/25 16:22	1
Chrysene	ND		0.088	0.018	ug/L		08/21/25 08:47	08/21/25 16:22	1
Benzo[b]fluoranthene	ND		0.088	0.024	ug/L		08/21/25 08:47	08/21/25 16:22	1
Benzo[k]fluoranthene	ND		0.088	0.025	ug/L		08/21/25 08:47	08/21/25 16:22	1
Benzo[a]pyrene	ND		0.088	0.021	ug/L		08/21/25 08:47	08/21/25 16:22	1
Indeno[1,2,3-cd]pyrene	ND		0.088	0.022	ug/L		08/21/25 08:47	08/21/25 16:22	1
Dibenz(a,h)anthracene	ND		0.088	0.025	ug/L		08/21/25 08:47	08/21/25 16:22	1
Benzo[g,h,i]perylene	ND		0.088	0.021	ug/L		08/21/25 08:47	08/21/25 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*68*		*44 - 120*	*08/21/25 08:47*	*08/21/25 16:22*	*1*
2-Fluorobiphenyl (Surr)	*68*		*32 - 120*	*08/21/25 08:47*	*08/21/25 16:22*	*1*
p-Terphenyl-d14	*77*		*39 - 120*	*08/21/25 08:47*	*08/21/25 16:22*	*1*

Client Sample ID: SW2 DUP

Date Collected: 08/14/25 11:55
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-3
Matrix: Water

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	1.1		0.23	0.13	mg/L		08/21/25 09:04	08/21/25 19:21	1
Residual Range Organics (RRO) (C25-C36)	0.29	J	0.35	0.14	mg/L		08/21/25 09:04	08/21/25 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*79*		*50 - 150*	*08/21/25 09:04*	*08/21/25 19:21*	*1*
n-Triacontane-d62	*84*		*50 - 150*	*08/21/25 09:04*	*08/21/25 19:21*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.2		1.0	0.19	ug/L		08/22/25 15:07	08/25/25 12:34	1
Chromium	0.41	J	2.0	0.37	ug/L		08/22/25 15:07	08/25/25 12:34	1
Copper	1.5	J	2.0	0.23	ug/L		08/22/25 15:07	08/25/25 12:34	1
Lead	0.34	J	1.0	0.059	ug/L		08/22/25 15:07	08/25/25 12:34	1

Client Sample ID: EB2-GW

Date Collected: 08/14/25 10:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-4
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 20:38	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 20:38	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 20:38	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 20:38	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 20:38	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 20:38	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:38	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 20:38	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:38	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 20:38	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 20:38	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 20:38	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 20:38	1
Chloroform	1.2		1.0	0.24	ug/L			08/21/25 20:38	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 20:38	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 20:38	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 20:38	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 20:38	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 20:38	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 20:38	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 20:38	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 20:38	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 20:38	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 20:38	1
Toluene	ND		1.0	0.31	ug/L			08/21/25 20:38	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 20:38	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 20:38	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 20:38	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 20:38	1

Client Sample ID: EB2-GW

Date Collected: 08/14/25 10:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-4

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 20:38	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 20:38	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 20:38	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 20:38	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 20:38	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 20:38	1
m-Xylene & p-Xylene	**0.56**	**J**	2.0	0.28	ug/L			08/21/25 20:38	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 20:38	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 20:38	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 20:38	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 20:38	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 20:38	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 20:38	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 20:38	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 20:38	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 20:38	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 20:38	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 20:38	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 20:38	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 20:38	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 20:38	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 20:38	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 20:38	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 20:38	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 20:38	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 20:38	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 20:38	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 20:38	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 20:38	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 20:38	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*102*		*80 - 120*		*08/21/25 20:38*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*08/21/25 20:38*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 123*		*08/21/25 20:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/21/25 20:38*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/21/25 20:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*97*		*68.7 - 141*		*08/21/25 20:38*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.092	0.054	ug/L		08/21/25 08:47	08/21/25 16:44	1
2-Methylnaphthalene	ND		0.092	0.045	ug/L		08/21/25 08:47	08/21/25 16:44	1
1-Methylnaphthalene	ND		0.092	0.023	ug/L		08/21/25 08:47	08/21/25 16:44	1

Client Sample ID: EB2-GW

Date Collected: 08/14/25 10:35
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-4
Matrix: Water

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	ND		0.092	0.016	ug/L		08/21/25 08:47	08/21/25 16:44	1
Acenaphthene	ND		0.092	0.022	ug/L		08/21/25 08:47	08/21/25 16:44	1
Fluorene	ND		0.092	0.016	ug/L		08/21/25 08:47	08/21/25 16:44	1
Phenanthrene	ND		0.092	0.044	ug/L		08/21/25 08:47	08/21/25 16:44	1
Anthracene	ND		0.092	0.025	ug/L		08/21/25 08:47	08/21/25 16:44	1
Fluoranthene	ND		0.092	0.044	ug/L		08/21/25 08:47	08/21/25 16:44	1
Pyrene	ND		0.092	0.046	ug/L		08/21/25 08:47	08/21/25 16:44	1
Benzo[a]anthracene	ND		0.092	0.029	ug/L		08/21/25 08:47	08/21/25 16:44	1
Chrysene	ND		0.092	0.018	ug/L		08/21/25 08:47	08/21/25 16:44	1
Benzo[b]fluoranthene	ND		0.092	0.025	ug/L		08/21/25 08:47	08/21/25 16:44	1
Benzo[k]fluoranthene	ND		0.092	0.026	ug/L		08/21/25 08:47	08/21/25 16:44	1
Benzo[a]pyrene	ND		0.092	0.021	ug/L		08/21/25 08:47	08/21/25 16:44	1
Indeno[1,2,3-cd]pyrene	ND		0.092	0.022	ug/L		08/21/25 08:47	08/21/25 16:44	1
Dibenz(a,h)anthracene	ND		0.092	0.026	ug/L		08/21/25 08:47	08/21/25 16:44	1
Benzo[g,h,i]perylene	ND		0.092	0.021	ug/L		08/21/25 08:47	08/21/25 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*66*		*44 - 120*	*08/21/25 08:47*	*08/21/25 16:44*	*1*
2-Fluorobiphenyl (Surr)	*64*		*32 - 120*	*08/21/25 08:47*	*08/21/25 16:44*	*1*
p-Terphenyl-d14	*88*		*39 - 120*	*08/21/25 08:47*	*08/21/25 16:44*	*1*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.20	0.11	mg/L		08/21/25 09:04	08/21/25 19:43	1
Residual Range Organics (RRO) (C25-C36)	ND		0.30	0.12	mg/L		08/21/25 09:04	08/21/25 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*72*		*50 - 150*	*08/21/25 09:04*	*08/21/25 19:43*	*1*
n-Triacontane-d62	*72*		*50 - 150*	*08/21/25 09:04*	*08/21/25 19:43*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 11:16	1
Chromium	ND		2.0	0.37	ug/L		08/21/25 14:41	08/22/25 11:16	1
Copper	ND		2.0	0.23	ug/L		08/21/25 14:41	08/22/25 11:16	1
Lead	**0.079**	**J**	1.0	0.059	ug/L		08/21/25 14:41	08/22/25 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Non-Purgable Organic (SM 5310C)	**0.35**	**J**	0.50	0.30	mg/L			08/30/25 01:01	1

Client Sample ID: Trip Blank

Date Collected: 08/14/25 00:00
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 21:00	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 21:00	1

Client Sample ID: Trip Blank

Date Collected: 08/14/25 00:00
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-5

Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 21:00	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 21:00	1
Chloroethane	ND	*+ *1	2.0	0.40	ug/L			08/21/25 21:00	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 21:00	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 21:00	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 21:00	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 21:00	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 21:00	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 21:00	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 21:00	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 21:00	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 21:00	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 21:00	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 21:00	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 21:00	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 21:00	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 21:00	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 21:00	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 21:00	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 21:00	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 21:00	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 21:00	1
Toluene	ND		1.0	0.31	ug/L			08/21/25 21:00	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 21:00	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 21:00	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 21:00	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 21:00	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 21:00	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 21:00	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 21:00	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 21:00	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 21:00	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 21:00	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 21:00	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 21:00	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 21:00	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 21:00	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 21:00	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 21:00	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 21:00	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 21:00	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 21:00	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 21:00	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 21:00	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 21:00	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 21:00	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 21:00	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 21:00	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 21:00	1

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32662-1

Client Sample ID: Trip Blank
Date Collected: 08/14/25 00:00
Date Received: 08/19/25 09:15

Lab Sample ID: 590-32662-5
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 21:00	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 21:00	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 21:00	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 21:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 21:00	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 21:00	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 21:00	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 21:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*103*		*80 - 120*		*08/21/25 21:00*	*1*
4-Bromofluorobenzene (Surr)	*97*		*76 - 120*		*08/21/25 21:00*	*1*
Dibromofluoromethane (Surr)	*107*		*80 - 123*		*08/21/25 21:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*80 - 120*		*08/21/25 21:00*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-55883/10
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			08/21/25 13:34	1
Chloromethane	ND		3.0	0.50	ug/L			08/21/25 13:34	1
Vinyl chloride	ND		0.40	0.13	ug/L			08/21/25 13:34	1
Bromomethane	ND		5.0	0.76	ug/L			08/21/25 13:34	1
Chloroethane	ND		2.0	0.40	ug/L			08/21/25 13:34	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
Methylene Chloride	ND		5.0	2.2	ug/L			08/21/25 13:34	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			08/21/25 13:34	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			08/21/25 13:34	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			08/21/25 13:34	1
Bromochloromethane	ND		2.0	0.44	ug/L			08/21/25 13:34	1
Chloroform	ND		1.0	0.24	ug/L			08/21/25 13:34	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			08/21/25 13:34	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			08/21/25 13:34	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			08/21/25 13:34	1
Benzene	ND		0.40	0.093	ug/L			08/21/25 13:34	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			08/21/25 13:34	1
Trichloroethene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			08/21/25 13:34	1
Dibromomethane	ND		2.0	0.50	ug/L			08/21/25 13:34	1
Bromodichloromethane	ND		1.0	0.29	ug/L			08/21/25 13:34	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			08/21/25 13:34	1
Toluene	ND		1.0	0.31	ug/L			08/21/25 13:34	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			08/21/25 13:34	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			08/21/25 13:34	1
Tetrachloroethene	ND		1.0	0.22	ug/L			08/21/25 13:34	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			08/21/25 13:34	1
Dibromochloromethane	ND		2.0	0.33	ug/L			08/21/25 13:34	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			08/21/25 13:34	1
Chlorobenzene	ND		1.0	0.32	ug/L			08/21/25 13:34	1
Ethylbenzene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			08/21/25 13:34	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			08/21/25 13:34	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			08/21/25 13:34	1
o-Xylene	ND		1.0	0.16	ug/L			08/21/25 13:34	1
Styrene	ND		1.0	0.24	ug/L			08/21/25 13:34	1
Bromoform	ND		5.0	0.66	ug/L			08/21/25 13:34	1
Isopropylbenzene	ND		1.0	0.24	ug/L			08/21/25 13:34	1
Bromobenzene	ND		1.0	0.28	ug/L			08/21/25 13:34	1
N-Propylbenzene	ND		1.0	0.25	ug/L			08/21/25 13:34	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			08/21/25 13:34	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			08/21/25 13:34	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			08/21/25 13:34	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			08/21/25 13:34	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			08/21/25 13:34	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			08/21/25 13:34	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-55883/10
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.22	ug/L			08/21/25 13:34	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			08/21/25 13:34	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			08/21/25 13:34	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			08/21/25 13:34	1
n-Butylbenzene	ND		1.0	0.20	ug/L			08/21/25 13:34	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			08/21/25 13:34	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			08/21/25 13:34	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			08/21/25 13:34	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			08/21/25 13:34	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			08/21/25 13:34	1
Naphthalene	ND		2.0	0.63	ug/L			08/21/25 13:34	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			08/21/25 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*105*		*80 - 120*		*08/21/25 13:34*	*1*
4-Bromofluorobenzene (Surr)	*98*		*76 - 120*		*08/21/25 13:34*	*1*
Dibromofluoromethane (Surr)	*108*		*80 - 123*		*08/21/25 13:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*80 - 120*		*08/21/25 13:34*	*1*

Lab Sample ID: LCS 590-55883/1005
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	8.55		ug/L		86	30 - 150
Chloromethane	10.0	9.50		ug/L		95	19 - 150
Vinyl chloride	10.0	8.44		ug/L		84	50 - 150
Bromomethane	10.0	13.1		ug/L		131	66 - 149
Chloroethane	10.0	10.2		ug/L		102	64 - 134
Trichlorofluoromethane	10.0	10.8		ug/L		108	71 - 147
1,1-Dichloroethene	10.0	9.34		ug/L		93	65 - 141
Methylene Chloride	10.0	9.26		ug/L		93	30 - 150
trans-1,2-Dichloroethene	10.0	9.53		ug/L		95	73 - 137
1,1-Dichloroethane	10.0	9.37		ug/L		94	80 - 125
2,2-Dichloropropane	10.0	11.0		ug/L		110	73 - 140
cis-1,2-Dichloroethene	10.0	8.85		ug/L		88	80 - 122
Bromochloromethane	10.0	10.0		ug/L		100	71 - 136
Chloroform	10.0	10.2		ug/L		102	80 - 123
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	71 - 138
Carbon tetrachloride	10.0	10.1		ug/L		101	72 - 138
1,1-Dichloropropene	10.0	9.66		ug/L		97	82 - 123
Benzene	10.0	9.90		ug/L		99	80 - 120
1,2-Dichloroethane (EDC)	10.0	10.0		ug/L		100	80 - 120
Trichloroethene	10.0	10.4		ug/L		104	80 - 123
1,2-Dichloropropane	10.0	9.23		ug/L		92	79 - 122
Dibromomethane	10.0	9.79		ug/L		98	80 - 122
Bromodichloromethane	10.0	9.94		ug/L		99	80 - 120
cis-1,3-Dichloropropene	10.0	9.29		ug/L		93	80 - 121

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-55883/1005
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	10.0	9.60		ug/L		96	80 - 129
trans-1,3-Dichloropropene	10.0	10.2		ug/L		102	73 - 138
1,1,2-Trichloroethane	10.0	10.4		ug/L		104	80 - 128
Tetrachloroethene	10.0	11.2		ug/L		112	80 - 139
1,3-Dichloropropane	10.0	9.73		ug/L		97	78 - 129
Dibromochloromethane	10.0	10.6		ug/L		106	80 - 130
1,2-Dibromoethane (EDB)	10.0	10.0		ug/L		100	80 - 124
Chlorobenzene	10.0	10.3		ug/L		103	80 - 124
Ethylbenzene	10.0	9.85		ug/L		98	80 - 122
1,1,1,2-Tetrachloroethane	10.0	10.7		ug/L		107	80 - 131
1,1,2,2-Tetrachloroethane	10.0	9.56		ug/L		96	60 - 150
m-Xylene & p-Xylene	10.0	9.70		ug/L		97	80 - 125
o-Xylene	10.0	9.03		ug/L		90	80 - 130
Styrene	10.0	9.34		ug/L		93	79 - 134
Bromoform	10.0	11.0		ug/L		110	73 - 139
Isopropylbenzene	10.0	9.22		ug/L		92	80 - 122
Bromobenzene	10.0	9.44		ug/L		94	73 - 125
N-Propylbenzene	10.0	9.27		ug/L		93	73 - 136
1,2,3-Trichloropropane	10.0	9.36		ug/L		94	65 - 142
2-Chlorotoluene	10.0	9.45		ug/L		94	74 - 129
1,3,5-Trimethylbenzene	10.0	9.47		ug/L		95	76 - 129
4-Chlorotoluene	10.0	9.53		ug/L		95	79 - 125
tert-Butylbenzene	10.0	9.53		ug/L		95	76 - 131
1,2,4-Trimethylbenzene	10.0	9.25		ug/L		92	78 - 131
sec-Butylbenzene	10.0	9.79		ug/L		98	73 - 138
1,3-Dichlorobenzene	10.0	10.2		ug/L		102	80 - 122
p-Isopropyltoluene	10.0	9.25		ug/L		93	78 - 128
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	80 - 120
n-Butylbenzene	10.0	8.77		ug/L		88	75 - 121
1,2-Dichlorobenzene	10.0	9.60		ug/L		96	80 - 120
1,2-Dibromo-3-Chloropropane	10.0	8.86	J	ug/L		89	53 - 142
1,2,4-Trichlorobenzene	10.0	8.10		ug/L		81	76 - 131
1,2,3-Trichlorobenzene	10.0	9.13		ug/L		91	70 - 137
Hexachlorobutadiene	10.0	10.8		ug/L		108	77 - 132
Naphthalene	10.0	6.67		ug/L		67	61 - 140
Methyl tert-butyl ether	10.0	9.60		ug/L		96	68 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*97*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*106*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-55883/6
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane			10.0	8.83		ug/L		88	30 - 150	3	22
Chloromethane			10.0	9.42		ug/L		94	19 - 150	1	35
Vinyl chloride			10.0	8.78		ug/L		88	50 - 150	4	26
Bromomethane			10.0	13.5		ug/L		135	66 - 149	3	24
Chloroethane			10.0	13.6	*+ *1	ug/L		136	64 - 134	29	24
Trichlorofluoromethane			10.0	10.7		ug/L		107	71 - 147	1	24
1,1-Dichloroethene			10.0	9.38		ug/L		94	65 - 141	0	19
Methylene Chloride			10.0	9.48		ug/L		95	30 - 150	2	25
trans-1,2-Dichloroethene			10.0	9.87		ug/L		99	73 - 137	4	18
1,1-Dichloroethane			10.0	9.40		ug/L		94	80 - 125	0	20
2,2-Dichloropropane			10.0	10.2		ug/L		102	73 - 140	8	18
cis-1,2-Dichloroethene			10.0	8.87		ug/L		89	80 - 122	0	17
Bromochloromethane			10.0	9.83		ug/L		98	71 - 136	2	21
Chloroform			10.0	9.85		ug/L		99	80 - 123	3	18
1,1,1-Trichloroethane			10.0	10.3		ug/L		103	71 - 138	1	17
Carbon tetrachloride			10.0	10.4		ug/L		104	72 - 138	3	28
1,1-Dichloropropene			10.0	9.54		ug/L		95	82 - 123	1	20
Benzene			10.0	9.89		ug/L		99	80 - 120	0	15
1,2-Dichloroethane (EDC)			10.0	10.0		ug/L		100	80 - 120	0	14
Trichloroethene			10.0	10.4		ug/L		104	80 - 123	0	14
1,2-Dichloropropane			10.0	9.49		ug/L		95	79 - 122	3	15
Dibromomethane			10.0	10.0		ug/L		100	80 - 122	2	16
Bromodichloromethane			10.0	10.1		ug/L		101	80 - 120	2	16
cis-1,3-Dichloropropene			10.0	9.39		ug/L		94	80 - 121	1	16
Toluene			10.0	9.31		ug/L		93	80 - 129	3	35
trans-1,3-Dichloropropene			10.0	9.82		ug/L		98	73 - 138	4	17
1,1,2-Trichloroethane			10.0	9.88		ug/L		99	80 - 128	5	15
Tetrachloroethene			10.0	10.8		ug/L		108	80 - 139	3	20
1,3-Dichloropropane			10.0	9.68		ug/L		97	78 - 129	1	17
Dibromochloromethane			10.0	10.1		ug/L		101	80 - 130	5	15
1,2-Dibromoethane (EDB)			10.0	9.65		ug/L		96	80 - 124	4	14
Chlorobenzene			10.0	9.77		ug/L		98	80 - 124	5	14
Ethylbenzene			10.0	9.50		ug/L		95	80 - 122	4	35
1,1,1,2-Tetrachloroethane			10.0	10.1		ug/L		101	80 - 131	6	17
1,1,2,2-Tetrachloroethane			10.0	9.87		ug/L		99	60 - 150	3	17
m-Xylene & p-Xylene			10.0	9.30		ug/L		93	80 - 125	4	35
o-Xylene			10.0	8.61		ug/L		86	80 - 130	5	35
Styrene			10.0	8.86		ug/L		89	79 - 134	5	17
Bromoform			10.0	10.5		ug/L		105	73 - 139	5	17
Isopropylbenzene			10.0	8.71		ug/L		87	80 - 122	6	16
Bromobenzene			10.0	9.41		ug/L		94	73 - 125	0	16
N-Propylbenzene			10.0	9.42		ug/L		94	73 - 136	2	18
1,2,3-Trichloropropane			10.0	9.65		ug/L		96	65 - 142	3	34
2-Chlorotoluene			10.0	9.28		ug/L		93	74 - 129	2	19
1,3,5-Trimethylbenzene			10.0	9.48		ug/L		95	76 - 129	0	17
4-Chlorotoluene			10.0	9.69		ug/L		97	79 - 125	2	16
tert-Butylbenzene			10.0	9.57		ug/L		96	76 - 131	0	18
1,2,4-Trimethylbenzene			10.0	9.28		ug/L		93	78 - 131	0	16

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-55883/6
Matrix: Water
Analysis Batch: 55883

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene			10.0	9.85		ug/L		99	73 - 138	1	17
1,3-Dichlorobenzene			10.0	10.3		ug/L		103	80 - 122	1	15
p-Isopropyltoluene			10.0	9.42		ug/L		94	78 - 128	2	17
1,4-Dichlorobenzene			10.0	10.1		ug/L		101	80 - 120	0	14
n-Butylbenzene			10.0	8.86		ug/L		89	75 - 121	1	16
1,2-Dichlorobenzene			10.0	10.1		ug/L		101	80 - 120	5	14
1,2-Dibromo-3-Chloropropane			10.0	9.30	J	ug/L		93	53 - 142	5	29
1,2,4-Trichlorobenzene			10.0	8.68		ug/L		87	76 - 131	7	24
1,2,3-Trichlorobenzene			10.0	9.49		ug/L		95	70 - 137	4	30
Hexachlorobutadiene			10.0	10.8		ug/L		108	77 - 132	0	25
Naphthalene			10.0	7.13		ug/L		71	61 - 140	7	25
Methyl tert-butyl ether			10.0	9.64		ug/L		96	68 - 134	0	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*93*		*80 - 120*
4-Bromofluorobenzene (Surr)	*92*		*76 - 120*
Dibromofluoromethane (Surr)	*105*		*80 - 123*
1,2-Dichloroethane-d4 (Surr)	*105*		*80 - 120*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-55882/10
Matrix: Water
Analysis Batch: 55882

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			08/21/25 13:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*98*		*68.7 - 141*		*08/21/25 13:34*	*1*

Lab Sample ID: LCS 590-55882/1009
Matrix: Water
Analysis Batch: 55882

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline			1000	1000		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*97*		*68.7 - 141*

Lab Sample ID: LCSD 590-55882/1020
Matrix: Water
Analysis Batch: 55882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	1020		ug/L		102	80 - 120	2	20

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCSD 590-55882/1020
Matrix: Water
Analysis Batch: 55882

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	94		68.7 - 141

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-55865/1-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		08/21/25 08:47	08/21/25 14:08	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		08/21/25 08:47	08/21/25 14:08	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		08/21/25 08:47	08/21/25 14:08	1
Acenaphthylene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 14:08	1
Acenaphthene	ND		0.090	0.022	ug/L		08/21/25 08:47	08/21/25 14:08	1
Fluorene	ND		0.090	0.016	ug/L		08/21/25 08:47	08/21/25 14:08	1
Phenanthrene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 14:08	1
Anthracene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 14:08	1
Fluoranthene	ND		0.090	0.043	ug/L		08/21/25 08:47	08/21/25 14:08	1
Pyrene	ND		0.090	0.045	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[a]anthracene	ND		0.090	0.028	ug/L		08/21/25 08:47	08/21/25 14:08	1
Chrysene	ND		0.090	0.018	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[b]fluoranthene	ND		0.090	0.025	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[k]fluoranthene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[a]pyrene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 14:08	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		08/21/25 08:47	08/21/25 14:08	1
Dibenz(a,h)anthracene	ND		0.090	0.026	ug/L		08/21/25 08:47	08/21/25 14:08	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		08/21/25 08:47	08/21/25 14:08	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	73		44 - 120	08/21/25 08:47	08/21/25 14:08	1
2-Fluorobiphenyl (Surr)	74		32 - 120	08/21/25 08:47	08/21/25 14:08	1
p-Terphenyl-d14	97		39 - 120	08/21/25 08:47	08/21/25 14:08	1

Lab Sample ID: LCS 590-55865/2-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	1.60	0.958		ug/L		60	47 - 120
2-Methylnaphthalene	1.60	0.951		ug/L		59	46 - 120
1-Methylnaphthalene	1.60	0.970		ug/L		61	49 - 120
Acenaphthylene	1.60	1.07		ug/L		67	56 - 120
Acenaphthene	1.60	1.05		ug/L		66	53 - 120
Fluorene	1.60	1.15		ug/L		72	56 - 120
Phenanthrene	1.60	1.17		ug/L		73	59 - 128
Anthracene	1.60	1.10		ug/L		69	56 - 128
Fluoranthene	1.60	1.22		ug/L		76	58 - 129
Pyrene	1.60	1.25		ug/L		78	61 - 135

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-55865/2-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55865

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			1.60	1.25		ug/L		78	62 - 130		
Chrysene			1.60	1.09		ug/L		68	57 - 135		
Benzo[b]fluoranthene			1.60	1.21		ug/L		75	47 - 136		
Benzo[k]fluoranthene			1.60	1.08		ug/L		68	55 - 131		
Benzo[a]pyrene			1.60	1.16		ug/L		73	57 - 130		
Indeno[1,2,3-cd]pyrene			1.60	1.25		ug/L		78	61 - 121		
Dibenz(a,h)anthracene			1.60	1.25		ug/L		78	59 - 127		
Benzo[g,h,i]perylene			1.60	1.27		ug/L		79	59 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*60*		*44 - 120*
2-Fluorobiphenyl (Surr)	*62*		*32 - 120*
p-Terphenyl-d14	*96*		*39 - 120*

Lab Sample ID: LCSD 590-55865/3-A
Matrix: Water
Analysis Batch: 55893

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			1.60	1.21		ug/L		76	47 - 120	23	30
2-Methylnaphthalene			1.60	1.21		ug/L		76	46 - 120	24	34
1-Methylnaphthalene			1.60	1.20		ug/L		75	49 - 120	21	32
Acenaphthylene			1.60	1.31		ug/L		82	56 - 120	20	24
Acenaphthene			1.60	1.30		ug/L		81	53 - 120	21	26
Fluorene			1.60	1.36		ug/L		85	56 - 120	17	24
Phenanthrene			1.60	1.34		ug/L		84	59 - 128	14	21
Anthracene			1.60	1.30		ug/L		81	56 - 128	16	25
Fluoranthene			1.60	1.39		ug/L		87	58 - 129	13	24
Pyrene			1.60	1.51		ug/L		94	61 - 135	18	24
Benzo[a]anthracene			1.60	1.37		ug/L		86	62 - 130	9	21
Chrysene			1.60	1.23		ug/L		77	57 - 135	12	20
Benzo[b]fluoranthene			1.60	1.24		ug/L		77	47 - 136	3	27
Benzo[k]fluoranthene			1.60	1.40		ug/L		87	55 - 131	25	28
Benzo[a]pyrene			1.60	1.35		ug/L		85	57 - 130	15	19
Indeno[1,2,3-cd]pyrene			1.60	1.37		ug/L		85	61 - 121	9	20
Dibenz(a,h)anthracene			1.60	1.39		ug/L		87	59 - 127	11	20
Benzo[g,h,i]perylene			1.60	1.40		ug/L		87	59 - 129	10	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*85*		*44 - 120*
2-Fluorobiphenyl (Surr)	*83*		*32 - 120*
p-Terphenyl-d14	*90*		*39 - 120*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-55866/1-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 55866

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.20	0.11	mg/L		08/21/25 09:04	08/21/25 14:20	1
Residual Range Organics (RRO) (C25-C36)	ND		0.30	0.12	mg/L		08/21/25 09:04	08/21/25 14:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*69*		*50 - 150*	*08/21/25 09:04*	*08/21/25 14:20*	*1*
n-Triacontane-d62	*66*		*50 - 150*	*08/21/25 09:04*	*08/21/25 14:20*	*1*

Lab Sample ID: LCS 590-55866/2-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 55866

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.11		mg/L		70	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.25		mg/L		78	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*60*		*50 - 150*
n-Triacontane-d62	*79*		*50 - 150*

Lab Sample ID: LCSD 590-55866/3-A
Matrix: Water
Analysis Batch: 55894

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 55866

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.10		mg/L		69	50 - 150	1	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.31		mg/L		82	50 - 150	5	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*74*		*50 - 150*
n-Triacontane-d62	*78*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 570-614957/1-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.19	ug/L		08/21/25 14:41	08/22/25 10:36	1
Chromium	ND		2.0	0.37	ug/L		08/21/25 14:41	08/22/25 10:36	1
Copper	ND		2.0	0.23	ug/L		08/21/25 14:41	08/22/25 10:36	1
Lead	ND		1.0	0.059	ug/L		08/21/25 14:41	08/22/25 10:36	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-614957/2-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			100	96.9		ug/L		97	80 - 120		
Chromium			100	98.8		ug/L		99	80 - 120		
Copper			100	98.2		ug/L		98	80 - 120		
Lead			100	93.4		ug/L		93	80 - 120		

Lab Sample ID: LCSD 570-614957/3-A
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			100	97.9		ug/L		98	80 - 120	1	20
Chromium			100	101		ug/L		101	80 - 120	2	20
Copper			100	101		ug/L		101	80 - 120	3	20
Lead			100	96.8		ug/L		97	80 - 120	4	20

Lab Sample ID: 590-32659-E-15-B MS
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	ND		100	94.5		ug/L		95	73 - 127		
Chromium	ND		100	97.7		ug/L		98	73 - 133		
Copper	ND		100	97.0		ug/L		97	72 - 108		
Lead	0.067	J	100	90.9		ug/L		91	79 - 121		

Lab Sample ID: 590-32659-E-15-C MSD
Matrix: Water
Analysis Batch: 615483

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 614957

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	ND		100	97.2		ug/L		97	73 - 127	3	11
Chromium	ND		100	100		ug/L		100	73 - 133	2	11
Copper	ND		100	98.6		ug/L		99	72 - 108	2	10
Lead	0.067	J	100	92.9		ug/L		93	79 - 121	2	10

Lab Sample ID: MB 570-615554/1-A
Matrix: Water
Analysis Batch: 616387

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 615554

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.19	ug/L		08/22/25 15:07	08/25/25 11:23	1
Chromium	ND		2.0	0.37	ug/L		08/22/25 15:07	08/25/25 11:23	1
Copper	ND		2.0	0.23	ug/L		08/22/25 15:07	08/25/25 11:23	1
Lead	ND		1.0	0.059	ug/L		08/22/25 15:07	08/25/25 11:23	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 570-615554/2-A
Matrix: Water
Analysis Batch: 616387

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 615554

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			80.0	88.8		ug/L		111	80 - 120		
Chromium			80.0	90.3		ug/L		113	80 - 120		
Copper			80.0	89.7		ug/L		112	80 - 120		
Lead			80.0	85.8		ug/L		107	80 - 120		

Lab Sample ID: LCSD 570-615554/3-A
Matrix: Water
Analysis Batch: 616387

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 615554

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic			80.0	90.5		ug/L		113	80 - 120	2	20
Chromium			80.0	92.1		ug/L		115	80 - 120	2	20
Copper			80.0	92.4		ug/L		116	80 - 120	3	20
Lead			80.0	88.7		ug/L		111	80 - 120	3	20

Lab Sample ID: 570-243308-B-2-A MS
Matrix: Water
Analysis Batch: 616387

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 615554

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	0.95	J	80.0	90.4		ug/L		112	73 - 127		
Chromium	1.4	J	80.0	89.3		ug/L		110	73 - 133		
Copper	2.3		80.0	87.5		ug/L		106	72 - 108		
Lead	0.41	J	80.0	83.7		ug/L		104	79 - 121		

Lab Sample ID: 570-243308-B-2-B MSD
Matrix: Water
Analysis Batch: 616387

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 615554

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.95	J	80.0	91.4		ug/L		113	73 - 127	1	11
Chromium	1.4	J	80.0	90.7		ug/L		112	73 - 133	2	11
Copper	2.3		80.0	88.6		ug/L		108	72 - 108	1	10
Lead	0.41	J	80.0	84.9		ug/L		106	79 - 121	1	10

Method: SM 5310C - TOC

Lab Sample ID: MB 570-619293/6
Matrix: Water
Analysis Batch: 619293

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbon, Non-Purgable Organic	ND		0.50	0.30	mg/L			08/29/25 20:57	1

Lab Sample ID: LCS 570-619293/7
Matrix: Water
Analysis Batch: 619293

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Carbon, Non-Purgable Organic			5.03	5.23		mg/L		104	85 - 115		

Method: SM 5310C - TOC

Lab Sample ID: LCSD 570-619293/8
Matrix: Water
Analysis Batch: 619293

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Non-Purgable Organic			5.03	5.23		mg/L		104	85 - 115	0	15

Lab Sample ID: 590-32662-1 MS
Matrix: Water
Analysis Batch: 619293

Client Sample ID: SW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Carbon, Non-Purgable Organic	23		20.1	42.0		mg/L		95	85 - 115		

Lab Sample ID: 590-32662-1 MSD
Matrix: Water
Analysis Batch: 619293

Client Sample ID: SW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Carbon, Non-Purgable Organic	23		20.1	42.9		mg/L		100	85 - 115	2	15

Client Sample ID: SW1

Lab Sample ID: 590-32662-1

Date Collected: 08/14/25 11:08

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 19:33	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	55882	08/21/25 19:33	JSP	EET SPK
Total/NA	Prep	3510C			246.7 mL	2 mL	55865	08/21/25 08:47	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55893	08/21/25 15:37	NMI	EET SPK
Total/NA	Prep	3510C			240.2 mL	2 mL	55866	08/21/25 09:04	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/21/25 18:38	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	614957	08/21/25 14:41	F4JD	EET CAL 4
Total Recoverable	Analysis	6020B		1			615483	08/22/25 11:11	C0YH	EET CAL 4
Total/NA	Analysis	SM 5310C		4	40 mL	40 mL	619293	08/29/25 23:51	U8XP	EET CAL 4

Client Sample ID: SW2

Lab Sample ID: 590-32662-2

Date Collected: 08/14/25 11:55

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 19:55	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	55882	08/21/25 19:55	JSP	EET SPK
Total/NA	Prep	3510C			250.6 mL	2 mL	55865	08/21/25 08:47	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55893	08/21/25 15:59	NMI	EET SPK
Total/NA	Prep	3510C			246.3 mL	2 mL	55866	08/21/25 09:04	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/21/25 18:59	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	614957	08/21/25 14:41	F4JD	EET CAL 4
Total Recoverable	Analysis	6020B		1			615483	08/22/25 11:13	C0YH	EET CAL 4
Total/NA	Analysis	SM 5310C		4	40 mL	40 mL	619293	08/30/25 00:26	U8XP	EET CAL 4

Client Sample ID: SW2 DUP

Lab Sample ID: 590-32662-3

Date Collected: 08/14/25 11:55

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 20:16	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	55882	08/21/25 20:16	JSP	EET SPK
Total/NA	Prep	3510C			255.6 mL	2 mL	55865	08/21/25 08:47	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55893	08/21/25 16:22	NMI	EET SPK
Total/NA	Prep	3510C			212.9 mL	2 mL	55866	08/21/25 09:04	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/21/25 19:21	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	615554	08/22/25 15:07	F4JD	EET CAL 4
Total Recoverable	Analysis	6020B		1			616387	08/25/25 12:34	C0YH	EET CAL 4

Client Sample ID: EB2-GW

Lab Sample ID: 590-32662-4

Date Collected: 08/14/25 10:35

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 20:38	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	55882	08/21/25 20:38	JSP	EET SPK
Total/NA	Prep	3510C			245.6 mL	2 mL	55865	08/21/25 08:47	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	55893	08/21/25 16:44	NMI	EET SPK
Total/NA	Prep	3510C			246.8 mL	2 mL	55866	08/21/25 09:04	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	55894	08/21/25 19:43	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	614957	08/21/25 14:41	F4JD	EET CAL 4
Total Recoverable	Analysis	6020B		1			615483	08/22/25 11:16	C0YH	EET CAL 4
Total/NA	Analysis	SM 5310C		1	40 mL	40 mL	619293	08/30/25 01:01	U8XP	EET CAL 4

Client Sample ID: Trip Blank

Lab Sample ID: 590-32662-5

Date Collected: 08/14/25 00:00

Matrix: Water

Date Received: 08/19/25 09:15

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	55883	08/21/25 21:00	JSP	EET SPK

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-32662-1

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

Laboratory: Eurofins Calscience

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
A2LA	Dept. of Defense ELAP	7296.01	11-30-26
A2LA	ISO/IEC 17025	7296.01	11-30-26
Alaska (UST)	State	25-005	03-02-26
Arizona	State	AZ0830	11-16-25
California	Los Angeles County Sanitation Districts	9257304	07-31-26
California	SCAQMD LAP	17LA0919	11-30-25
California	State	3082	07-31-26
Kansas	NELAP	E-10420	07-31-26
Nevada	State	CA00111	07-31-26
Oregon	NELAP	4175	02-02-26
USDA	US Federal Programs	525-23-159-97150	06-08-26
Utah	NELAP	CA00111	02-28-26
Washington	State	C916	10-11-25

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
6020B	Metals (ICP/MS)	SW846	EET CAL 4
SM 5310C	TOC	SM	EET CAL 4
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET CAL 4
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

SM = "Standard Methods For The Examination Of Water And Wastewater"

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

Laboratory References:

EET CAL 4 = Eurofins Calscience Tustin, 2841 Dow Avenue, Tustin, CA 92780, TEL (714)895-5494

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information	Sampler: Josh Owen & Jon White	Lab PM: Arrington, Randee E	Carrier Tracking No(s):	COC No: 590-13506-3642.4
Client Contact: Josh Owen	Phone: 541 387 4422	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: OR	Page: Page 1 of 1 (90)
Company: Martin S Burck Associates	PWSID:			Job #:
Address: 200 North Wasco Ct	Due Date Requested:			
City: Hood River	TAT Requested (days): Standard			
State, Zip: OR, 97031	Compliance Project: Δ Yes Δ No			
Phone: 541-387-4422(Tel)	PO #: Purchase Order not required			
Email: jowen@msbaenvironmental.com	WO #: Lawrence Oil			
Project Name: Lawrence Oil	Project #: 59002184			
Site: Lawrence Oil	SSOW#:			

Analysis Requested

Preservation Codes:
N None
F MeOH
A HCL
D HNO3
S H2SO4
GE NH4SO4/NH4OH
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air, DW=Drinking Water)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6010D, 8270E_SIM, NWTPH_Dx	8260D, NWTPH_Gx_MS	9060A Standard Soil TOC	8260D Standard Analyte List (Full List)	8260D, NWTPH_Gx_MS	NWTPH_Dx DRO and RRO	8270E_SIM Polycyclic Aromatic Hydrocarbons	6020B (MOD) As, Cr Cu & Pb - Total	6020B (MOD) Diss As, Cd & Pb (FF)	9060A Standard Water TOC	218.6_Pres_ORGF Hexavalent Chromium	8260D Standard Analyte List	NWTPH-Dx with Silica Gel Cleanup	Total Number of containers	Special Instructions/Note:
				Preservation Code:			N	F	N	F	A	A	N	D	D	S	GE	A			
SW1	8/14/25	11:08		Water						✓	✓	✓	✓	✓		✓					
SW2	8/14/25	11:55		Water						✓	✓	✓	✓	✓		✓					
SW2 DUP	8/14/25	11:55		Water						✓	✓	✓	✓	✓		✓					
EB2-GW	8/14/25	10:35		Water						✓	✓	✓	✓	✓		✓					
Trip Blank				Water						✓											

590-32662 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown ☐ Radiological	☐ Return To Client ☑ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV Other (specify)	Special Instructions/QC Requirements.

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Josh Owen	8/8/2025 13:00	MSBA		8/19/25 9:15	ARI
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: 5.3 5.3 / IR Gun 4.4, 4.4

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins

Loc: 590
32662

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-11638.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-32662-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 9/2/2025			Preservation -
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	6020B/3005A(MOD) As, Cr, Cu & Pb	5310C TOC, Standard analysis, 3 replicates	218.6_Pres_ORGFHexavalent Chromium	Number of containers	Special
SW1 (590-32662-1)	8/14/25	11:08 Pacific	G	Water			X	X			
SW2 (590-32662-2)	8/14/25	11:55 Pacific	G	Water			X	X	X		
SW2 DUP (590-32662-3)	8/14/25	11:55 Pacific	G	Water			X	X	X		
EB2-GW (590-32662-4)	8/14/25	10:35 Pacific	G	Water			X	X	X		

Analysis Requested

590-32662 Chain of Custody

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	***Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)***
Unconfirmed	☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Sam Din	8/19/25 14:46	ESS		8/20/25 0940	ESS
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:
		2.1/2.4 SC6

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Er

Loc: 590
32662

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-11667.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Southwest,		Accreditations Required (See note): NELAP - Oregon		Job #: 590-32662-1
Address: 2841 Dow Avenue, Suite 100, ,	Due Date Requested: 9/2/2025			
City: Tustin	TAT Requested (days): N/A			
State, Zip: CA, 92780				
Phone: 714-895-5494(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			

Analysis Requested

Preservation Codes:
-

Other: N/A

590-32662 Chain of Custody

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	MS/MSD (Yes or No)	6020B/3005A(MOD) As, Cr, Cu & Pb	5310C TOC, Standard analysis, 3 replicates
EB2-GW (590-32662-4)	8/14/25	10:35 Pacific	G	Water			X	X

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	8/21/25 14:04	EESP			
2	Fedex			[signature]	8/22/25 0900	EE
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3-1/3.4 SCM

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32662-1

Login Number: 32662
List Number: 1
Creator: Desimone, Carson

List Source: Eurofins Spokane

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

DRAFT

Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-32662-1

Login Number: 32662
List Number: 2
Creator: Ferreira, Bruno

List Source: Eurofins Calscience
List Creation: 08/20/25 02:54 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	2860863
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.4
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	Received project as a subcontract.
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

DRAFT

ANALYTICAL REPORT

PREPARED FOR

Attn: Josh Owen
Martin S Burck Associates
200 North Wasco Ct
Hood River, Oregon 97031

Generated 11/26/2025 11:59:43 AM

JOB DESCRIPTION

Lawrence Oil

JOB NUMBER

590-34336-1

Eurofins Spokane
11922 East 1st Ave
Spokane WA 99206

See page two for job notes and contact information.

my EOL

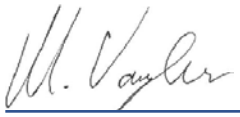
DRAFT

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

Authorization



Generated
11/26/2025 11:59:43 AM

Authorized for release by
Madison Vaughan, Project Management Assistant I
Madison.Vaughan@et.eurofinsus.com
Designee for
Randee Arrington, Business Unit Manager
Randee.Arrington@et.eurofinsus.com
(509)924-9200

DRAFT

Table of Contents

Cover Page 1
Table of Contents 3
Case Narrative 4
Sample Summary 6
Definitions 7
Client Sample Results 8
QC Sample Results 12
Chronicle 22
Certification Summary 23
Method Summary 24
Chain of Custody 25
Receipt Checklists 29

Job Narrative
590-34336-1

The analytical test results presented in this report meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page, unless otherwise noted. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable. Regulated compliance samples (e.g. SDWA, NPDES) must comply with associated agency requirements/permits.

- Matrix-specific batch QC (e.g., MS, MSD, SD) may not be reported when insufficient sample volume is available or when site-specific QC samples are not submitted. In such cases, a Laboratory Control Sample Duplicate (LCSD) may be analyzed to provide precision data for the batch.
- For samples analyzed using surrogate and/or isotope dilution analytes, any recoveries falling outside of established acceptance criteria are re-prepared and/or re-analyzed to confirm results, unless the deviation is due to sample dilution or otherwise explained in the case narrative.

Receipt
The samples were received on 11/18/2025 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 2.7°C.

Receipt Exceptions
Sample SW3 was received in an inproper container for TOC analysis. The sample was preserved upon receipt.

Gasoline Range Organics
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS VOA
Method 8260D: The continuing calibration verification (CCV) associated with batch 590-57956 recovered outside acceptance criteria, low biased, for Bromomethane, trans-1,2-Dichloroethene and Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

Method 8260D: The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 590-57956 recovered outside control limits for the following analytes: 1,1-Dichloroethane, cis-1,2-Dichloroethene and Chloroform. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Method 8260D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 590-57956 recovered outside control limits for the following analytes: 1,1-Dichloroethene and Methyl tert-butyl ether.

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-57956 recovered above the upper control limit for 1,1-Dichloroethane, cis-1,2-Dichloroethene and Bromochloromethane. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are:SW3 (590-34336-1) and Trip Blank (590-34336-2).

Method 8260D: The continuing calibration verification (CCV) associated with batch 590-57956 recovered outside acceptance criteria, low biased, for Methyl tert-butyl ether. A reporting limit (RL) standard was analyzed, and the target analytes are detected. Since the associated samples were non-detect for the analyte(s), the data are reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

GC/MS Semi VOA
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Hydrocarbons
Method NWTPH_Dx: Detected hydrocarbons in the diesel range appear to be due to heavily weathered diesel.

SW3 (590-34336-1)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Job ID: 590-34336-1 (Continued)

Metals
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

General Chemistry
No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Sample Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Sample Origin
590-34336-1	SW3	Water	11/13/25 09:37	11/18/25 10:00	Oregon
590-34336-2	Trip Blank	Water	11/13/25 00:00	11/18/25 10:00	Oregon

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Client Sample ID: SW3
Date Collected: 11/13/25 09:37
Date Received: 11/18/25 10:00

Lab Sample ID: 590-34336-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			11/21/25 14:22	1
Chloromethane	ND		3.0	0.50	ug/L			11/21/25 14:22	1
Vinyl chloride	ND		0.40	0.13	ug/L			11/21/25 14:22	1
Bromomethane	ND		5.0	0.76	ug/L			11/21/25 14:22	1
Chloroethane	ND		2.0	0.40	ug/L			11/21/25 14:22	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/21/25 14:22	1
1,1-Dichloroethene	ND	*1	1.0	0.20	ug/L			11/21/25 14:22	1
Methylene Chloride	ND		5.0	2.2	ug/L			11/21/25 14:22	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/21/25 14:22	1
1,1-Dichloroethane	ND	*+	1.0	0.29	ug/L			11/21/25 14:22	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			11/21/25 14:22	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.23	ug/L			11/21/25 14:22	1
Bromochloromethane	ND		2.0	0.44	ug/L			11/21/25 14:22	1
Chloroform	ND	*+	1.0	0.24	ug/L			11/21/25 14:22	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			11/21/25 14:22	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			11/21/25 14:22	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			11/21/25 14:22	1
Benzene	ND		0.40	0.093	ug/L			11/21/25 14:22	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			11/21/25 14:22	1
Trichloroethene	ND		1.0	0.20	ug/L			11/21/25 14:22	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			11/21/25 14:22	1
Dibromomethane	ND		2.0	0.50	ug/L			11/21/25 14:22	1
Bromodichloromethane	ND		1.0	0.29	ug/L			11/21/25 14:22	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			11/21/25 14:22	1
Toluene	ND		1.0	0.31	ug/L			11/21/25 14:22	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			11/21/25 14:22	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			11/21/25 14:22	1
Tetrachloroethene	ND		1.0	0.22	ug/L			11/21/25 14:22	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			11/21/25 14:22	1
Dibromochloromethane	ND		2.0	0.33	ug/L			11/21/25 14:22	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			11/21/25 14:22	1
Chlorobenzene	ND		1.0	0.32	ug/L			11/21/25 14:22	1
Ethylbenzene	ND		1.0	0.20	ug/L			11/21/25 14:22	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			11/21/25 14:22	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			11/21/25 14:22	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			11/21/25 14:22	1
o-Xylene	ND		1.0	0.16	ug/L			11/21/25 14:22	1
Styrene	ND		1.0	0.24	ug/L			11/21/25 14:22	1
Bromoform	ND		5.0	0.66	ug/L			11/21/25 14:22	1
Isopropylbenzene	ND		1.0	0.24	ug/L			11/21/25 14:22	1
Bromobenzene	ND		1.0	0.28	ug/L			11/21/25 14:22	1
N-Propylbenzene	ND		1.0	0.25	ug/L			11/21/25 14:22	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			11/21/25 14:22	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			11/21/25 14:22	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			11/21/25 14:22	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			11/21/25 14:22	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			11/21/25 14:22	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			11/21/25 14:22	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			11/21/25 14:22	1

Client Sample ID: SW3
Date Collected: 11/13/25 09:37
Date Received: 11/18/25 10:00

Lab Sample ID: 590-34336-1
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			11/21/25 14:22	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			11/21/25 14:22	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			11/21/25 14:22	1
n-Butylbenzene	ND		1.0	0.20	ug/L			11/21/25 14:22	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			11/21/25 14:22	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			11/21/25 14:22	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			11/21/25 14:22	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			11/21/25 14:22	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			11/21/25 14:22	1
Naphthalene	ND		2.0	0.63	ug/L			11/21/25 14:22	1
Methyl tert-butyl ether	ND	*- *1	1.0	0.16	ug/L			11/21/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*88 - 120*		*11/21/25 14:22*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 120*		*11/21/25 14:22*	*1*
Dibromofluoromethane (Surr)	*128*		*74 - 131*		*11/21/25 14:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*117*		*71 - 127*		*11/21/25 14:22*	*1*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			11/21/25 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*68.7 - 141*		*11/21/25 14:22*	*1*

Method: SW846 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.084	0.050	ug/L		11/19/25 11:41	11/20/25 03:28	1
2-Methylnaphthalene	ND		0.084	0.041	ug/L		11/19/25 11:41	11/20/25 03:28	1
1-Methylnaphthalene	ND		0.084	0.022	ug/L		11/19/25 11:41	11/20/25 03:28	1
Acenaphthylene	ND		0.084	0.015	ug/L		11/19/25 11:41	11/20/25 03:28	1
Acenaphthene	ND		0.084	0.021	ug/L		11/19/25 11:41	11/20/25 03:28	1
Fluorene	ND		0.084	0.015	ug/L		11/19/25 11:41	11/20/25 03:28	1
Phenanthrene	ND		0.084	0.040	ug/L		11/19/25 11:41	11/20/25 03:28	1
Anthracene	ND		0.084	0.023	ug/L		11/19/25 11:41	11/20/25 03:28	1
Fluoranthene	ND		0.084	0.040	ug/L		11/19/25 11:41	11/20/25 03:28	1
Pyrene	ND		0.084	0.042	ug/L		11/19/25 11:41	11/20/25 03:28	1
Benzo[a]anthracene	ND		0.084	0.026	ug/L		11/19/25 11:41	11/20/25 03:28	1
Chrysene	ND		0.084	0.017	ug/L		11/19/25 11:41	11/20/25 03:28	1
Benzo[b]fluoranthene	ND		0.084	0.023	ug/L		11/19/25 11:41	11/20/25 03:28	1
Benzo[k]fluoranthene	ND		0.084	0.024	ug/L		11/19/25 11:41	11/20/25 03:28	1
Benzo[a]pyrene	ND		0.084	0.020	ug/L		11/19/25 11:41	11/20/25 03:28	1
Indeno[1,2,3-cd]pyrene	ND		0.084	0.021	ug/L		11/19/25 11:41	11/20/25 03:28	1
Dibenz(a,h)anthracene	ND		0.084	0.024	ug/L		11/19/25 11:41	11/20/25 03:28	1
Benzo[g,h,i]perylene	ND		0.084	0.020	ug/L		11/19/25 11:41	11/20/25 03:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Nitrobenzene-d5	*65*		*30 - 132*	*11/19/25 11:41*	*11/20/25 03:28*	*1*
2-Fluorobiphenyl (Surr)	*67*		*48 - 103*	*11/19/25 11:41*	*11/20/25 03:28*	*1*
p-Terphenyl-d14	*71*		*23 - 157*	*11/19/25 11:41*	*11/20/25 03:28*	*1*

Client Sample ID: SW3

Lab Sample ID: 590-34336-1

Date Collected: 11/13/25 09:37

Matrix: Water

Date Received: 11/18/25 10:00

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	0.26		0.19	0.10	mg/L		11/21/25 09:15	11/21/25 15:47	1
Residual Range Organics (RRO) (C25-C36)	0.18	J	0.28	0.11	mg/L		11/21/25 09:15	11/21/25 15:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*73*		*50 - 150*	*11/21/25 09:15*	*11/21/25 15:47*	*1*
n-Triacontane-d62	*75*		*50 - 150*	*11/21/25 09:15*	*11/21/25 15:47*	*1*

Method: SW846 6020B - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		5.0	1.0	ug/L		11/21/25 14:07	11/24/25 17:42	5
Chromium	ND		5.0	0.87	ug/L		11/21/25 14:07	11/24/25 17:42	5
Copper	ND		10	3.0	ug/L		11/21/25 14:07	11/24/25 17:42	5
Lead	ND		2.5	0.20	ug/L		11/21/25 14:07	11/24/25 17:42	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon (SW846 9060A)	8400		1500	380	ug/L			11/22/25 09:59	1

Client Sample ID: Trip Blank

Lab Sample ID: 590-34336-2

Date Collected: 11/13/25 00:00

Matrix: Water

Date Received: 11/18/25 10:00

Method: SW846 8260D - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			11/21/25 14:43	1
Chloromethane	ND		3.0	0.50	ug/L			11/21/25 14:43	1
Vinyl chloride	ND		0.40	0.13	ug/L			11/21/25 14:43	1
Bromomethane	ND		5.0	0.76	ug/L			11/21/25 14:43	1
Chloroethane	ND		2.0	0.40	ug/L			11/21/25 14:43	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/21/25 14:43	1
1,1-Dichloroethene	ND	*1	1.0	0.20	ug/L			11/21/25 14:43	1
Methylene Chloride	ND		5.0	2.2	ug/L			11/21/25 14:43	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/21/25 14:43	1
1,1-Dichloroethane	ND	*+	1.0	0.29	ug/L			11/21/25 14:43	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			11/21/25 14:43	1
cis-1,2-Dichloroethene	ND	*+	1.0	0.23	ug/L			11/21/25 14:43	1
Bromochloromethane	ND		2.0	0.44	ug/L			11/21/25 14:43	1
Chloroform	ND	*+	1.0	0.24	ug/L			11/21/25 14:43	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			11/21/25 14:43	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			11/21/25 14:43	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			11/21/25 14:43	1
Benzene	ND		0.40	0.093	ug/L			11/21/25 14:43	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			11/21/25 14:43	1
Trichloroethene	ND		1.0	0.20	ug/L			11/21/25 14:43	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			11/21/25 14:43	1
Dibromomethane	ND		2.0	0.50	ug/L			11/21/25 14:43	1
Bromodichloromethane	ND		1.0	0.29	ug/L			11/21/25 14:43	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			11/21/25 14:43	1

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Client Sample ID: Trip Blank
Date Collected: 11/13/25 00:00
Date Received: 11/18/25 10:00

Lab Sample ID: 590-34336-2
Matrix: Water

Method: SW846 8260D - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toluene	ND		1.0	0.31	ug/L			11/21/25 14:43	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			11/21/25 14:43	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			11/21/25 14:43	1
Tetrachloroethene	ND		1.0	0.22	ug/L			11/21/25 14:43	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			11/21/25 14:43	1
Dibromochloromethane	ND		2.0	0.33	ug/L			11/21/25 14:43	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			11/21/25 14:43	1
Chlorobenzene	ND		1.0	0.32	ug/L			11/21/25 14:43	1
Ethylbenzene	ND		1.0	0.20	ug/L			11/21/25 14:43	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			11/21/25 14:43	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			11/21/25 14:43	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			11/21/25 14:43	1
o-Xylene	ND		1.0	0.16	ug/L			11/21/25 14:43	1
Styrene	ND		1.0	0.24	ug/L			11/21/25 14:43	1
Bromoform	ND		5.0	0.66	ug/L			11/21/25 14:43	1
Isopropylbenzene	ND		1.0	0.24	ug/L			11/21/25 14:43	1
Bromobenzene	ND		1.0	0.28	ug/L			11/21/25 14:43	1
N-Propylbenzene	ND		1.0	0.25	ug/L			11/21/25 14:43	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			11/21/25 14:43	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			11/21/25 14:43	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			11/21/25 14:43	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			11/21/25 14:43	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			11/21/25 14:43	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			11/21/25 14:43	1
sec-Butylbenzene	ND		1.0	0.22	ug/L			11/21/25 14:43	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			11/21/25 14:43	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			11/21/25 14:43	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			11/21/25 14:43	1
n-Butylbenzene	ND		1.0	0.20	ug/L			11/21/25 14:43	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			11/21/25 14:43	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			11/21/25 14:43	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			11/21/25 14:43	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			11/21/25 14:43	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			11/21/25 14:43	1
Naphthalene	ND		2.0	0.63	ug/L			11/21/25 14:43	1
Methyl tert-butyl ether	ND	*- *1	1.0	0.16	ug/L			11/21/25 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*98*		*88 - 120*		*11/21/25 14:43*	*1*
4-Bromofluorobenzene (Surr)	*109*		*76 - 120*		*11/21/25 14:43*	*1*
Dibromofluoromethane (Surr)	*116*		*74 - 131*		*11/21/25 14:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*71 - 127*		*11/21/25 14:43*	*1*

Method: 8260D - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 590-57956/10
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	ND		2.0	0.64	ug/L			11/21/25 13:17	1
Chloromethane	ND		3.0	0.50	ug/L			11/21/25 13:17	1
Vinyl chloride	ND		0.40	0.13	ug/L			11/21/25 13:17	1
Bromomethane	ND		5.0	0.76	ug/L			11/21/25 13:17	1
Chloroethane	ND		2.0	0.40	ug/L			11/21/25 13:17	1
Trichlorofluoromethane	ND		1.0	0.20	ug/L			11/21/25 13:17	1
1,1-Dichloroethene	ND		1.0	0.20	ug/L			11/21/25 13:17	1
Methylene Chloride	ND		5.0	2.2	ug/L			11/21/25 13:17	1
trans-1,2-Dichloroethene	ND		1.0	0.20	ug/L			11/21/25 13:17	1
1,1-Dichloroethane	ND		1.0	0.29	ug/L			11/21/25 13:17	1
2,2-Dichloropropane	ND		2.0	0.66	ug/L			11/21/25 13:17	1
cis-1,2-Dichloroethene	ND		1.0	0.23	ug/L			11/21/25 13:17	1
Bromochloromethane	ND		2.0	0.44	ug/L			11/21/25 13:17	1
Chloroform	ND		1.0	0.24	ug/L			11/21/25 13:17	1
1,1,1-Trichloroethane	ND		1.0	0.17	ug/L			11/21/25 13:17	1
Carbon tetrachloride	ND		1.0	0.40	ug/L			11/21/25 13:17	1
1,1-Dichloropropene	ND		1.0	0.50	ug/L			11/21/25 13:17	1
Benzene	ND		0.40	0.093	ug/L			11/21/25 13:17	1
1,2-Dichloroethane (EDC)	ND		1.0	0.31	ug/L			11/21/25 13:17	1
Trichloroethene	ND		1.0	0.20	ug/L			11/21/25 13:17	1
1,2-Dichloropropane	ND		1.0	0.23	ug/L			11/21/25 13:17	1
Dibromomethane	ND		2.0	0.50	ug/L			11/21/25 13:17	1
Bromodichloromethane	ND		1.0	0.29	ug/L			11/21/25 13:17	1
cis-1,3-Dichloropropene	ND		1.0	0.25	ug/L			11/21/25 13:17	1
Toluene	ND		1.0	0.31	ug/L			11/21/25 13:17	1
trans-1,3-Dichloropropene	ND		1.0	0.45	ug/L			11/21/25 13:17	1
1,1,2-Trichloroethane	ND		2.0	0.43	ug/L			11/21/25 13:17	1
Tetrachloroethene	ND		1.0	0.22	ug/L			11/21/25 13:17	1
1,3-Dichloropropane	ND		2.0	0.21	ug/L			11/21/25 13:17	1
Dibromochloromethane	ND		2.0	0.33	ug/L			11/21/25 13:17	1
1,2-Dibromoethane (EDB)	ND		1.0	0.20	ug/L			11/21/25 13:17	1
Chlorobenzene	ND		1.0	0.32	ug/L			11/21/25 13:17	1
Ethylbenzene	ND		1.0	0.20	ug/L			11/21/25 13:17	1
1,1,1,2-Tetrachloroethane	ND		1.0	0.48	ug/L			11/21/25 13:17	1
1,1,2,2-Tetrachloroethane	ND		2.0	0.32	ug/L			11/21/25 13:17	1
m-Xylene & p-Xylene	ND		2.0	0.28	ug/L			11/21/25 13:17	1
o-Xylene	ND		1.0	0.16	ug/L			11/21/25 13:17	1
Styrene	ND		1.0	0.24	ug/L			11/21/25 13:17	1
Bromoform	ND		5.0	0.66	ug/L			11/21/25 13:17	1
Isopropylbenzene	ND		1.0	0.24	ug/L			11/21/25 13:17	1
Bromobenzene	ND		1.0	0.28	ug/L			11/21/25 13:17	1
N-Propylbenzene	ND		1.0	0.25	ug/L			11/21/25 13:17	1
1,2,3-Trichloropropane	ND		2.0	0.50	ug/L			11/21/25 13:17	1
2-Chlorotoluene	ND		1.0	0.36	ug/L			11/21/25 13:17	1
1,3,5-Trimethylbenzene	ND		1.0	0.32	ug/L			11/21/25 13:17	1
4-Chlorotoluene	ND		1.0	0.26	ug/L			11/21/25 13:17	1
tert-Butylbenzene	ND		1.0	0.12	ug/L			11/21/25 13:17	1
1,2,4-Trimethylbenzene	ND		1.0	0.31	ug/L			11/21/25 13:17	1

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 590-57956/10
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	ND		1.0	0.22	ug/L			11/21/25 13:17	1
1,3-Dichlorobenzene	ND		1.0	0.14	ug/L			11/21/25 13:17	1
p-Isopropyltoluene	ND		1.0	0.27	ug/L			11/21/25 13:17	1
1,4-Dichlorobenzene	ND		1.0	0.28	ug/L			11/21/25 13:17	1
n-Butylbenzene	ND		1.0	0.20	ug/L			11/21/25 13:17	1
1,2-Dichlorobenzene	ND		1.0	0.23	ug/L			11/21/25 13:17	1
1,2-Dibromo-3-Chloropropane	ND		10	1.5	ug/L			11/21/25 13:17	1
1,2,4-Trichlorobenzene	ND		1.0	0.50	ug/L			11/21/25 13:17	1
1,2,3-Trichlorobenzene	ND		1.0	0.33	ug/L			11/21/25 13:17	1
Hexachlorobutadiene	ND		2.0	0.21	ug/L			11/21/25 13:17	1
Naphthalene	ND		2.0	0.63	ug/L			11/21/25 13:17	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			11/21/25 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Toluene-d8 (Surr)	*101*		*88 - 120*		*11/21/25 13:17*	*1*
4-Bromofluorobenzene (Surr)	*107*		*76 - 120*		*11/21/25 13:17*	*1*
Dibromofluoromethane (Surr)	*112*		*74 - 131*		*11/21/25 13:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*71 - 127*		*11/21/25 13:17*	*1*

Lab Sample ID: LCS 590-57956/1005
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Dichlorodifluoromethane	10.0	11.5		ug/L		115	46 - 139
Chloromethane	10.0	11.4		ug/L		114	51 - 139
Vinyl chloride	10.0	10.2		ug/L		102	45 - 150
Bromomethane	10.0	7.54		ug/L		75	66 - 149
Chloroethane	10.0	11.0		ug/L		110	34 - 169
Trichlorofluoromethane	10.0	8.06		ug/L		81	56 - 147
1,1-Dichloroethene	10.0	8.64		ug/L		86	59 - 141
Methylene Chloride	10.0	8.08		ug/L		81	41 - 161
trans-1,2-Dichloroethene	10.0	7.29		ug/L		73	61 - 137
1,1-Dichloroethane	10.0	13.8	*+	ug/L		138	80 - 125
2,2-Dichloropropane	10.0	11.8		ug/L		118	67 - 132
cis-1,2-Dichloroethene	10.0	12.6	*+	ug/L		126	72 - 122
Bromochloromethane	10.0	13.8		ug/L		138	55 - 144
Chloroform	10.0	11.5		ug/L		115	80 - 115
1,1,1-Trichloroethane	10.0	11.5		ug/L		115	76 - 121
Carbon tetrachloride	10.0	10.6		ug/L		106	72 - 124
1,1-Dichloropropene	10.0	10.4		ug/L		104	82 - 123
Benzene	10.0	11.3		ug/L		113	80 - 120
1,2-Dichloroethane (EDC)	10.0	11.2		ug/L		112	71 - 120
Trichloroethene	10.0	9.76		ug/L		98	78 - 123
1,2-Dichloropropane	10.0	11.6		ug/L		116	71 - 122
Dibromomethane	10.0	10.7		ug/L		107	80 - 110
Bromodichloromethane	10.0	11.1		ug/L		111	80 - 120
cis-1,3-Dichloropropene	10.0	9.73		ug/L		97	74 - 112

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 590-57956/1005
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Toluene	10.0	10.1		ug/L		101	80 - 117
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	81 - 121
1,1,2-Trichloroethane	10.0	9.45		ug/L		95	61 - 140
Tetrachloroethene	10.0	9.53		ug/L		95	80 - 124
1,3-Dichloropropane	10.0	9.65		ug/L		96	78 - 129
Dibromochloromethane	10.0	9.35		ug/L		94	55 - 118
1,2-Dibromoethane (EDB)	10.0	9.19		ug/L		92	80 - 124
Chlorobenzene	10.0	9.54		ug/L		95	85 - 114
Ethylbenzene	10.0	9.95		ug/L		100	80 - 122
1,1,1,2-Tetrachloroethane	10.0	9.15		ug/L		91	80 - 122
1,1,2,2-Tetrachloroethane	10.0	11.6		ug/L		116	60 - 139
m-Xylene & p-Xylene	10.0	10.3		ug/L		103	80 - 109
o-Xylene	10.0	9.66		ug/L		97	72 - 106
Styrene	10.0	9.45		ug/L		94	74 - 108
Bromoform	10.0	8.64		ug/L		86	68 - 139
Isopropylbenzene	10.0	9.81		ug/L		98	80 - 109
Bromobenzene	10.0	11.7		ug/L		117	73 - 125
N-Propylbenzene	10.0	11.5		ug/L		115	73 - 124
1,2,3-Trichloropropane	10.0	11.4		ug/L		114	56 - 142
2-Chlorotoluene	10.0	11.0		ug/L		110	69 - 129
1,3,5-Trimethylbenzene	10.0	11.5		ug/L		115	76 - 116
4-Chlorotoluene	10.0	11.7		ug/L		117	79 - 125
tert-Butylbenzene	10.0	11.1		ug/L		111	76 - 113
1,2,4-Trimethylbenzene	10.0	11.4		ug/L		114	78 - 117
sec-Butylbenzene	10.0	11.7		ug/L		117	77 - 121
1,3-Dichlorobenzene	10.0	10.9		ug/L		109	88 - 113
p-Isopropyltoluene	10.0	10.9		ug/L		109	78 - 114
1,4-Dichlorobenzene	10.0	11.6		ug/L		116	87 - 120
n-Butylbenzene	10.0	11.0		ug/L		110	67 - 121
1,2-Dichlorobenzene	10.0	11.4		ug/L		114	80 - 116
1,2-Dibromo-3-Chloropropane	10.0	8.37	J	ug/L		84	48 - 142
1,2,4-Trichlorobenzene	10.0	10.1		ug/L		101	57 - 131
1,2,3-Trichlorobenzene	10.0	10.7		ug/L		107	59 - 137
Hexachlorobutadiene	10.0	11.9		ug/L		119	77 - 132
Naphthalene	10.0	8.18		ug/L		82	45 - 140
Methyl tert-butyl ether	10.0	4.72	*-	ug/L		47	63 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Toluene-d8 (Surr)	*94*		*88 - 120*
4-Bromofluorobenzene (Surr)	*118*		*76 - 120*
Dibromofluoromethane (Surr)	*120*		*74 - 131*
1,2-Dichloroethane-d4 (Surr)	*119*		*71 - 127*

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-57956/6
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Dichlorodifluoromethane			10.0	12.5		ug/L		125	46 - 139	8	22
Chloromethane			10.0	10.5		ug/L		105	51 - 139	8	35
Vinyl chloride			10.0	9.23		ug/L		92	45 - 150	10	26
Bromomethane			10.0	6.93		ug/L		69	66 - 149	8	24
Chloroethane			10.0	11.3		ug/L		113	34 - 169	3	24
Trichlorofluoromethane			10.0	7.20		ug/L		72	56 - 147	11	24
1,1-Dichloroethene			10.0	6.64	*1	ug/L		66	59 - 141	26	19
Methylene Chloride			10.0	6.50		ug/L		65	41 - 161	22	25
trans-1,2-Dichloroethene			10.0	8.09		ug/L		81	61 - 137	10	18
1,1-Dichloroethane			10.0	13.0	*+	ug/L		130	80 - 125	6	20
2,2-Dichloropropane			10.0	11.3		ug/L		113	67 - 132	4	18
cis-1,2-Dichloroethene			10.0	11.8		ug/L		118	72 - 122	7	17
Bromochloromethane			10.0	12.5		ug/L		125	55 - 144	10	21
Chloroform			10.0	11.7	*+	ug/L		117	80 - 115	2	18
1,1,1-Trichloroethane			10.0	10.8		ug/L		108	76 - 121	7	17
Carbon tetrachloride			10.0	10.1		ug/L		101	72 - 124	5	28
1,1-Dichloropropene			10.0	10.3		ug/L		103	82 - 123	1	20
Benzene			10.0	10.9		ug/L		109	80 - 120	4	15
1,2-Dichloroethane (EDC)			10.0	10.4		ug/L		104	71 - 120	7	14
Trichloroethene			10.0	9.64		ug/L		96	78 - 123	1	14
1,2-Dichloropropane			10.0	11.4		ug/L		114	71 - 122	3	15
Dibromomethane			10.0	9.97		ug/L		100	80 - 110	7	16
Bromodichloromethane			10.0	10.7		ug/L		107	80 - 120	4	16
cis-1,3-Dichloropropene			10.0	9.61		ug/L		96	74 - 112	1	16
Toluene			10.0	10.2		ug/L		102	80 - 117	1	35
trans-1,3-Dichloropropene			10.0	10.6		ug/L		106	81 - 121	5	17
1,1,2-Trichloroethane			10.0	9.92		ug/L		99	61 - 140	5	15
Tetrachloroethene			10.0	9.69		ug/L		97	80 - 124	2	20
1,3-Dichloropropane			10.0	9.92		ug/L		99	78 - 129	3	17
Dibromochloromethane			10.0	9.54		ug/L		95	55 - 118	2	15
1,2-Dibromoethane (EDB)			10.0	9.53		ug/L		95	80 - 124	4	14
Chlorobenzene			10.0	9.69		ug/L		97	85 - 114	2	14
Ethylbenzene			10.0	10.0		ug/L		100	80 - 122	1	35
1,1,1,2-Tetrachloroethane			10.0	9.32		ug/L		93	80 - 122	2	17
1,1,2,2-Tetrachloroethane			10.0	11.7		ug/L		117	60 - 139	0	17
m-Xylene & p-Xylene			10.0	10.5		ug/L		105	80 - 109	2	35
o-Xylene			10.0	9.64		ug/L		96	72 - 106	0	35
Styrene			10.0	9.72		ug/L		97	74 - 108	3	17
Bromoform			10.0	8.73		ug/L		87	68 - 139	1	17
Isopropylbenzene			10.0	9.75		ug/L		98	80 - 109	1	16
Bromobenzene			10.0	11.7		ug/L		117	73 - 125	0	16
N-Propylbenzene			10.0	11.4		ug/L		114	73 - 124	1	18
1,2,3-Trichloropropane			10.0	11.2		ug/L		112	56 - 142	2	34
2-Chlorotoluene			10.0	11.0		ug/L		110	69 - 129	0	19
1,3,5-Trimethylbenzene			10.0	11.2		ug/L		112	76 - 116	3	17
4-Chlorotoluene			10.0	10.9		ug/L		109	79 - 125	7	16
tert-Butylbenzene			10.0	10.8		ug/L		108	76 - 113	3	18
1,2,4-Trimethylbenzene			10.0	11.0		ug/L		110	78 - 117	3	16

Method: 8260D - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 590-57956/6
Matrix: Water
Analysis Batch: 57956

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
sec-Butylbenzene			10.0	11.4		ug/L		114	77 - 121	3	17
1,3-Dichlorobenzene			10.0	10.6		ug/L		106	88 - 113	2	15
p-Isopropyltoluene			10.0	10.7		ug/L		107	78 - 114	2	17
1,4-Dichlorobenzene			10.0	11.6		ug/L		116	87 - 120	0	14
n-Butylbenzene			10.0	10.7		ug/L		107	67 - 121	2	16
1,2-Dichlorobenzene			10.0	11.0		ug/L		110	80 - 116	4	14
1,2-Dibromo-3-Chloropropane			10.0	8.51	J	ug/L		85	48 - 142	2	29
1,2,4-Trichlorobenzene			10.0	10.0		ug/L		100	57 - 131	1	24
1,2,3-Trichlorobenzene			10.0	10.4		ug/L		104	59 - 137	2	30
Hexachlorobutadiene			10.0	11.9		ug/L		119	77 - 132	0	25
Naphthalene			10.0	8.03		ug/L		80	45 - 140	2	25
Methyl tert-butyl ether			10.0	6.13	*- *1	ug/L		61	63 - 134	26	18

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Toluene-d8 (Surr)	*95*		*88 - 120*
4-Bromofluorobenzene (Surr)	*113*		*76 - 120*
Dibromofluoromethane (Surr)	*114*		*74 - 131*
1,2-Dichloroethane-d4 (Surr)	*108*		*71 - 127*

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS)

Lab Sample ID: MB 590-57955/10
Matrix: Water
Analysis Batch: 57955

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline	ND		150	54	ug/L			11/21/25 13:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*68.7 - 141*		*11/21/25 13:17*	*1*

Lab Sample ID: LCS 590-57955/1009
Matrix: Water
Analysis Batch: 57955

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline			1000	944		ug/L		94	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene (Surr)	*110*		*68.7 - 141*

Lab Sample ID: LCSD 590-57955/1019
Matrix: Water
Analysis Batch: 57955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline			1000	971		ug/L		97	80 - 120	3	20

Method: NWTPH-Gx - Northwest - Volatile Petroleum Products (GC/MS) (Continued)

Lab Sample ID: LCSD 590-57955/1019
Matrix: Water
Analysis Batch: 57955

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	117		68.7 - 141

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 590-57887/1-A
Matrix: Water
Analysis Batch: 57910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57887

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	ND		0.090	0.053	ug/L		11/19/25 11:41	11/19/25 23:24	1
2-Methylnaphthalene	ND		0.090	0.044	ug/L		11/19/25 11:41	11/19/25 23:24	1
1-Methylnaphthalene	ND		0.090	0.023	ug/L		11/19/25 11:41	11/19/25 23:24	1
Acenaphthylene	ND		0.090	0.016	ug/L		11/19/25 11:41	11/19/25 23:24	1
Acenaphthene	ND		0.090	0.022	ug/L		11/19/25 11:41	11/19/25 23:24	1
Fluorene	ND		0.090	0.016	ug/L		11/19/25 11:41	11/19/25 23:24	1
Phenanthrene	ND		0.090	0.043	ug/L		11/19/25 11:41	11/19/25 23:24	1
Anthracene	ND		0.090	0.025	ug/L		11/19/25 11:41	11/19/25 23:24	1
Fluoranthene	ND		0.090	0.043	ug/L		11/19/25 11:41	11/19/25 23:24	1
Pyrene	ND		0.090	0.045	ug/L		11/19/25 11:41	11/19/25 23:24	1
Benzo[a]anthracene	ND		0.090	0.028	ug/L		11/19/25 11:41	11/19/25 23:24	1
Chrysene	ND		0.090	0.018	ug/L		11/19/25 11:41	11/19/25 23:24	1
Benzo[b]fluoranthene	ND		0.090	0.025	ug/L		11/19/25 11:41	11/19/25 23:24	1
Benzo[k]fluoranthene	ND		0.090	0.026	ug/L		11/19/25 11:41	11/19/25 23:24	1
Benzo[a]pyrene	ND		0.090	0.021	ug/L		11/19/25 11:41	11/19/25 23:24	1
Indeno[1,2,3-cd]pyrene	ND		0.090	0.022	ug/L		11/19/25 11:41	11/19/25 23:24	1
Dibenz(a,h)anthracene	ND		0.090	0.026	ug/L		11/19/25 11:41	11/19/25 23:24	1
Benzo[g,h,i]perylene	ND		0.090	0.021	ug/L		11/19/25 11:41	11/19/25 23:24	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5	71		30 - 132	11/19/25 11:41	11/19/25 23:24	1
2-Fluorobiphenyl (Surr)	72		48 - 103	11/19/25 11:41	11/19/25 23:24	1
p-Terphenyl-d14	88		23 - 157	11/19/25 11:41	11/19/25 23:24	1

Lab Sample ID: LCS 590-57887/2-A
Matrix: Water
Analysis Batch: 57910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57887

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Naphthalene	1.60	1.45		ug/L		91	47 - 105
2-Methylnaphthalene	1.60	1.59		ug/L		99	46 - 105
1-Methylnaphthalene	1.60	1.45		ug/L		91	45 - 106
Acenaphthylene	1.60	1.49		ug/L		93	56 - 113
Acenaphthene	1.60	1.55		ug/L		97	53 - 113
Fluorene	1.60	1.59		ug/L		99	56 - 120
Phenanthrene	1.60	1.64		ug/L		103	50 - 119
Anthracene	1.60	1.44		ug/L		90	61 - 128
Fluoranthene	1.60	1.71		ug/L		107	58 - 129
Pyrene	1.60	1.68		ug/L		105	56 - 135

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 590-57887/2-A
Matrix: Water
Analysis Batch: 57910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57887

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Benzo[a]anthracene			1.60	1.64		ug/L		103	51 - 122		
Chrysene			1.60	1.68		ug/L		105	57 - 142		
Benzo[b]fluoranthene			1.60	1.62		ug/L		101	47 - 119		
Benzo[k]fluoranthene			1.60	1.73		ug/L		108	55 - 143		
Benzo[a]pyrene			1.60	1.64		ug/L		103	57 - 119		
Indeno[1,2,3-cd]pyrene			1.60	1.63		ug/L		102	61 - 121		
Dibenz(a,h)anthracene			1.60	1.65		ug/L		103	59 - 127		
Benzo[g,h,i]perylene			1.60	1.60		ug/L		100	54 - 129		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Nitrobenzene-d5	*76*		*30 - 132*
2-Fluorobiphenyl (Surr)	*76*		*48 - 103*
p-Terphenyl-d14	*80*		*23 - 157*

Lab Sample ID: LCSD 590-57887/3-A
Matrix: Water
Analysis Batch: 57910

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57887

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Naphthalene			1.60	1.42		ug/L		89	47 - 105	3	30
2-Methylnaphthalene			1.60	1.54		ug/L		96	46 - 105	3	34
1-Methylnaphthalene			1.60	1.41		ug/L		88	45 - 106	3	32
Acenaphthylene			1.60	1.48		ug/L		92	56 - 113	1	24
Acenaphthene			1.60	1.54		ug/L		96	53 - 113	1	26
Fluorene			1.60	1.57		ug/L		98	56 - 120	1	24
Phenanthrene			1.60	1.64		ug/L		102	50 - 119	0	21
Anthracene			1.60	1.43		ug/L		90	61 - 128	1	25
Fluoranthene			1.60	1.71		ug/L		107	58 - 129	0	24
Pyrene			1.60	1.76		ug/L		110	56 - 135	5	24
Benzo[a]anthracene			1.60	1.63		ug/L		102	51 - 122	1	21
Chrysene			1.60	1.66		ug/L		104	57 - 142	1	20
Benzo[b]fluoranthene			1.60	1.59		ug/L		99	47 - 119	2	27
Benzo[k]fluoranthene			1.60	1.71		ug/L		107	55 - 143	1	28
Benzo[a]pyrene			1.60	1.62		ug/L		101	57 - 119	1	19
Indeno[1,2,3-cd]pyrene			1.60	1.62		ug/L		101	61 - 121	0	20
Dibenz(a,h)anthracene			1.60	1.62		ug/L		101	59 - 127	2	20
Benzo[g,h,i]perylene			1.60	1.58		ug/L		99	54 - 129	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Nitrobenzene-d5	*73*		*30 - 132*
2-Fluorobiphenyl (Surr)	*70*		*48 - 103*
p-Terphenyl-d14	*77*		*23 - 157*

Method: NWTPH-Dx - Northwest - Semi-Volatile Petroleum Products (GC)

Lab Sample ID: MB 590-57943/1-A
Matrix: Water
Analysis Batch: 57960

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 57943

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics (DRO) (C10-C25)	ND		0.20	0.11	mg/L		11/21/25 09:15	11/21/25 14:25	1
Residual Range Organics (RRO) (C25-C36)	ND		0.30	0.12	mg/L		11/21/25 09:15	11/21/25 14:25	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
o-Terphenyl	*81*		*50 - 150*	*11/21/25 09:15*	*11/21/25 14:25*	*1*
n-Triacontane-d62	*87*		*50 - 150*	*11/21/25 09:15*	*11/21/25 14:25*	*1*

Lab Sample ID: LCS 590-57943/2-A
Matrix: Water
Analysis Batch: 57960

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 57943

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Diesel Range Organics (DRO) (C10-C25)			1.60	1.29		mg/L		81	50 - 150		
Residual Range Organics (RRO) (C25-C36)			1.60	1.55		mg/L		97	50 - 150		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
o-Terphenyl	*83*		*50 - 150*
n-Triacontane-d62	*86*		*50 - 150*

Lab Sample ID: LCSD 590-57943/3-A
Matrix: Water
Analysis Batch: 57960

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 57943

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Diesel Range Organics (DRO) (C10-C25)			1.60	1.24		mg/L		78	50 - 150	4	25
Residual Range Organics (RRO) (C25-C36)			1.60	1.58		mg/L		99	50 - 150	2	25

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
o-Terphenyl	*84*		*50 - 150*
n-Triacontane-d62	*86*		*50 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: 580-155818-B-1-B MS
Matrix: Water
Analysis Batch: 11347

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 11283

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic	0.56	J	1000	860		ug/L		86	80 - 120		
Chromium	0.64	J	1000	863		ug/L		86	80 - 120		
Copper	3.7		1000	831		ug/L		83	80 - 120		
Lead	ND		1000	843		ug/L		84	80 - 120		

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 580-155818-B-1-C MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 11347 — **Prep Batch: 11283**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Arsenic	0.56	J	1000	941		ug/L		94	80 - 120	9	20
Chromium	0.64	J	1000	957		ug/L		96	80 - 120	10	20
Copper	3.7		1000	923		ug/L		92	80 - 120	11	20
Lead	ND		1000	937		ug/L		94	80 - 120	11	20

Lab Sample ID: MB 350-11283/25-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 11347 — **Prep Batch: 11283**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0	0.20	ug/L		11/21/25 14:07	11/24/25 13:54	1
Chromium	ND		1.0	0.17	ug/L		11/21/25 14:07	11/24/25 13:54	1
Copper	ND		2.0	0.60	ug/L		11/21/25 14:07	11/24/25 13:54	1
Lead	ND		0.50	0.040	ug/L		11/21/25 14:07	11/24/25 13:54	1

Lab Sample ID: LCS 350-11283/26-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total Recoverable**
Analysis Batch: 11347 — **Prep Batch: 11283**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	1000	932		ug/L		93	80 - 120
Chromium	1000	981		ug/L		98	80 - 120
Copper	1000	956		ug/L		96	80 - 120
Lead	1000	939		ug/L		94	80 - 120

Method: 9060A - Organic Carbon, Total (TOC)

Lab Sample ID: MB 580-509148/3 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509148

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Organic Carbon	ND		1500	380	ug/L			11/21/25 20:07	1

Lab Sample ID: LCS 580-509148/4 — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509148

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	25000	26400		ug/L		106	85 - 115

Lab Sample ID: LCSD 580-509148/5 — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 509148

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	25000	26400		ug/L		106	85 - 115	0	20

Method: 9060A - Organic Carbon, Total (TOC) (Continued)

Lab Sample ID: 580-155953-C-1 MS
Matrix: Water
Analysis Batch: 509148

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Total Organic Carbon	ND		10000	11300		ug/L		113	85 - 115

Lab Sample ID: 580-155953-C-1 MSD
Matrix: Water
Analysis Batch: 509148

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Organic Carbon	ND		10000	10600		ug/L		106	85 - 115	6	20

Lab Sample ID: 580-155894-H-1 DU
Matrix: Water
Analysis Batch: 509148

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Organic Carbon	ND		ND		ug/L		NC	20

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Client Sample ID: SW3

Lab Sample ID: 590-34336-1

Date Collected: 11/13/25 09:37

Matrix: Water

Date Received: 11/18/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	57956	11/21/25 14:22	JSP	EET SPK
Total/NA	Analysis	NWTPH-Gx		1	43 mL	43 mL	57955	11/21/25 14:22	JSP	EET SPK
Total/NA	Prep	3510C			267.4 mL	2 mL	57887	11/19/25 11:41	M1M	EET SPK
Total/NA	Analysis	8270E SIM		1	1 uL	1 uL	57910	11/20/25 03:28	NMI	EET SPK
Total/NA	Prep	3510C			268.3 mL	2 mL	57943	11/21/25 09:15	M1M	EET SPK
Total/NA	Analysis	NWTPH-Dx		1	1 mL	1 mL	57960	11/21/25 15:47	NMI	EET SPK
Total Recoverable	Prep	3005A			50 mL	50 mL	11283	11/21/25 14:07	RMN	EET SSM
Total Recoverable	Analysis	6020B		5			11347	11/24/25 17:42	JL	EET SSM
Total/NA	Analysis	9060A		1	40 mL	40 mL	509148	11/22/25 09:59	MLT	EET SEA

Client Sample ID: Trip Blank

Lab Sample ID: 590-34336-2

Date Collected: 11/13/25 00:00

Matrix: Water

Date Received: 11/18/25 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260D		1	43 mL	43 mL	57956	11/21/25 14:43	JSP	EET SPK

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Laboratory: Eurofins Spokane

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Oregon	NELAP	4137	12-07-25

Laboratory: Eurofins Seattle

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	06-30-26
Maine	State	WA01273	05-02-26
Montana (UST)	State	NA	04-14-27
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-07-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788	07-13-26

Laboratory: Eurofins Seattle Specialty Metals

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	20-004	02-19-27
ANAB	Dept. of Defense ELAP	L2236	01-19-27
ANAB	Dept. of Energy	L2236.01	01-19-27
ANAB	ISO/IEC 17025	L2236	01-19-27
California	State	2954	07-07-26
Florida	NELAP	E87575	06-30-26
Louisiana (All)	NELAP	03073	07-01-26
Maine	State	WA01273	05-02-26
New Jersey	NELAP	WA014	06-30-26
New York	NELAP	11662	04-01-26
Oregon	NELAP	4167	07-08-26
US Fish & Wildlife	US Federal Programs	A20571	06-30-26
USDA	US Federal Programs	525-23-4-22573	01-24-28
Washington	State	C788	07-13-26
Wisconsin	State	399133460	08-31-26

DRAFT

Client: Martin S Burck Associates
Project/Site: Lawrence Oil

Job ID: 590-34336-1

Method	Method Description	Protocol	Laboratory
8260D	Volatile Organic Compounds by GC/MS	SW846	EET SPK
NWTPH-Gx	Northwest - Volatile Petroleum Products (GC/MS)	NWTPH	EET SPK
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	EET SPK
NWTPH-Dx	Northwest - Semi-Volatile Petroleum Products (GC)	NWTPH	EET SPK
6020B	Metals (ICP/MS)	SW846	EET SSM
9060A	Organic Carbon, Total (TOC)	SW846	EET SEA
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SSM
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	EET SPK
5030C	Purge and Trap	SW846	EET SPK

Protocol References:

NWTPH = Northwest Total Petroleum Hydrocarbon

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

Laboratory References:

EET SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

EET SPK = Eurofins Spokane, 11922 East 1st Ave, Spokane, WA 99206, TEL (509)924-9200

EET SSM = Eurofins Seattle Specialty Metals, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Eurofins TestAmerica, Spokane
11922 E 1st Avenue

Spokane WA 99206-5302
phone 509.924 9200 fax 509.924.9290

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☑ Other: OR DEQ

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact	Project Manager: Josh Owen	Site Contact:	Date	COC No
Martin S. Burck Associates	Email: jowen@msbaenvironmental.com	Lab Contact: Randee Arrington	Carrier: Fed Ex	1 of 1 COCs
200 N Wasco Court	Tel/Fax: 541.387.4422			Sampler:
Hood River, OR 97031	Analysis Turnaround Time			For Lab Use Only
Phone 541.387.4422	☐ CALENDAR DAYS ☐ WORKING DAYS			Walk-in Client
FAX. 541.387.4813	TAT if different from Below			Lab Sampling.
Project Name Lawrence Oil	☐ 2 weeks			
Site Lawrence Oil	☐ 1 week			Job / SDG No.
P O # Lawrence Oil	☐ 2 days ☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	Nutrient - DK	Nutrient - GSK	8260 D VOCs (Full List)	8270 E SIM PAHs	6020B As, Cu, Cr, Pb	7196A TOC	Sample Specific Notes.
SW3	11/13/25	9.37		W				✓	✓	✓	✓	✓	✓	
Trip Blank										✓				

590-34336 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4=HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☑ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments
Total Metals

2.1 2.7 IR001

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No	Cooler Temp (°C) Obs'd. _____ Corr'd: _____ Therm ID No.: _____			
Relinquished by: Josh Owen	Company: MSBA	Date/Time: 11/17/25 1230	Received by:	Company:	Date/Time: 11/18/25 1015
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time
Relinquished by:	Company:	Date/Time:	Received in Laboratory by	Company:	Date/Time

Form No. CA-C-WI-002, Rev 4.23, dated 4/16/2019

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-12242 1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et eurofinsus com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 590-34336-1
Address: 5755 8th Street East, ,	Due Date Requested: 12/1/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested: 6020B/3005A(MOD) As, Cr, Cu & Pb	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW3 (590-34336-1)	11/13/25	09 37 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories This sample shipment is forwarded under chain-of-custody If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested I, II, III, IV, Other (specify) Primary Deliverable Rank 2	Special Instructions/QC Requirements

Empty Kit Relinquished by:	Date	Time	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	Gavin Rein	11/18/25 1422	E ETSP	C Mower	11/19/25 1045	E ETN
2		Date/Time.	Company	Received by	Date/Time:	Company
3		Date/Time:	Company	Received by	Date/Time:	Company

Custody Seals Intact. Δ Yes Δ No	Custody Seal No.	Cooler Temperature(s) °C and Other Remarks: IR15 -0.8/-0.8 SB/None/Wet/FPO

Ver: 10/10/2024

DRAFT

Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-12240.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 590-34336-1
Address: 5755 8th Street East, ,	Due Date Requested: 12/1/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A Standard Water TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW3 (590-34336-1)	11/13/25	09:37 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Corban Reiss	11/18/25 1413	ETSPK	[illegible]	11/19/25 1045	ET-T
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 -0.8/-0.8

Ver: 10/10/2024

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Eurofins Spokane
11922 East 1st Ave
Spokane, WA 99206
Phone: 509-924-9200 Fax: 509-924-9290

Chain of Custody Record

eurofins | Environment Testing

Client Information (Sub Contract Lab)	Sampler: N/A	Lab PM: Arrington, Randee E	Carrier Tracking No(s): N/A	COC No: 590-12240.1
Client Contact: Shipping/Receiving	Phone: N/A	E-Mail: Randee.Arrington@et.eurofinsus.com	State of Origin: Oregon	Page: Page 1 of 1
Company: Eurofins Environment Testing Northwest L		Accreditations Required (See note): NELAP - Oregon		Job #: 590-34336-1
Address: 5755 8th Street East, ,	Due Date Requested: 12/1/2025			Preservation Codes: -
City: Tacoma	TAT Requested (days): N/A			
State, Zip: WA, 98424				
Phone: 253-922-2310(Tel)	PO #: N/A			
Email: N/A	WO #: N/A			
Project Name: Lawrence Oil	Project #: 59002184			
Site: N/A	SSOW#: N/A			Other: N/A

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	9060A Standard Water TOC	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
SW3 (590-34336-1)	11/13/25	09:37 Pacific	G	Water			X	1	

Note: Since laboratory accreditations are subject to change, Eurofins Environment Testing Northwest, LLC places the ownership of method, analyte & accreditation compliance upon our subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins Environment Testing Northwest, LLC laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins Environment Testing Northwest, LLC attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to Eurofins Environment Testing Northwest, LLC.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Corban Reis	11/18/25 1412	ET-SPK	[signature]	11/19/25 1045	ET-SPK
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: IR15 -0.8/-0.8

Ver: 10/10/2024

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Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-34336-1

Login Number: 34336

List Source: Eurofins Spokane

List Number: 1

Creator: Desimone, Carson

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

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Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-34336-1

Login Number: 34336
List Number: 3
Creator: Kaser, Erica

List Source: Eurofins Seattle
List Creation: 11/19/25 02:56 PM

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

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Login Sample Receipt Checklist

Client: Martin S Burck Associates

Job Number: 590-34336-1

Login Number: 34336
List Number: 2
Creator: Miller, Darren R

List Source: Eurofins Seattle Specialty Metals
List Creation: 11/19/25 12:24 PM

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

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Appendix F

Red Dye Safety Data Sheet

Safety Data Sheet
acc. to OSHA HCS

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Printing date 02/12/2016 Reviewed on 02/12/2016

* 1 Identification

: **Product identifier**

: **Trade name:** **Unisol® Liquid Red BK-50**

: **Application of the substance / the mixture** Dyestuff/Coloring agent

: **Details of the supplier of the safety data sheet**

: **Manufacturer/Supplier:**
United Color Manufacturing, Inc.
660 Newtown-Yardley Road
Newtown, PA 18940 USA

: **For more information** Website: www.unitedcolor.com

: **Telephone:** U.S. (215) 860-2165 / 800-852-5942

: **Emergency telephone number:**
Within Continental U.S., CHEMTREC 1-800-424-9300
Outside U.S., CHEMTREC +1-703-527-3887

* 2 Hazard(s) identification

: **Classification of the substance or mixture**



Flame

Flammable liquid and vapor.



Health hazard

Suspected of causing cancer.

Suspected of damaging fertility or the unborn child.

May cause damage to the hearing organs through prolonged or repeated exposure.

May be fatal if swallowed and enters airways.



Environment

Toxic to aquatic life with long lasting effects.



Causes skin irritation.

May cause respiratory irritation. May cause drowsiness or dizziness.

: **Label elements**

: **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

: **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

(Contd. on page 2)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 1)

: **Signal word** Danger

: **Hazard-determining components of labeling:**
xylene
2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.
ethylbenzene
Kerosene (petroleum)

: **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation. May cause drowsiness or dizziness.
May cause damage to the hearing organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Toxic to aquatic life with long lasting effects.

: **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see on this label).
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Do NOT induce vomiting.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

: **Classification system:**

: **NFPA ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

: **HMIS-ratings (scale 0 - 4)**



Health = 2
Fire = 3
Reactivity = 0

(Contd. on page 3)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 2)

: **Other hazards**
: **Results of PBT and vPvB assessment**
: **PBT:** Not applicable.
: **vPvB:** Not applicable.

* 3 Composition/information on ingredients

: **Chemical characterization: Mixtures**
: **Description:** Mixture of the substances listed below with nonhazardous additions.

: **Dangerous components:**		
92257-31-3	2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.	30-40%
1330-20-7	xylene	20-30%
8008-20-6	Kerosene (petroleum)	20-30%
64742-94-5	Solvent naphtha (petroleum), heavy arom.	15-25%
100-41-4	ethylbenzene	5-10%

: **Additional information:** EPA Accession number 35371

* 4 First-aid measures

: **Description of first aid measures**
: **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
: **After inhalation:** In case of unconsciousness place patient stably in side position for transportation.
: **After skin contact:** Immediately wash with water and soap and rinse thoroughly.
: **After eye contact:** Rinse opened eye for several minutes under running water.
: **After swallowing:** Immediately call a doctor.
: **Information for doctor:**
: **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
: **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

* 5 Fire-fighting measures

: **Extinguishing media**
: **Suitable extinguishing agents:**
CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
: **For safety reasons unsuitable extinguishing agents:** Water with full jet
: **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
: **Advice for firefighters**
: **Protective equipment:** Mouth respiratory protective device.

* 6 Accidental release measures

: **Personal precautions, protective equipment and emergency procedures**
Mount respiratory protective device.
Wear protective equipment. Keep unprotected persons away.
: **Environmental precautions:**
Do not allow product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
Do not allow to enter sewers/ surface or ground water.

(Contd. on page 4)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 3)

: **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
: **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* 7 Handling and storage

: **Handling:**
: **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Open and handle receptacle with care.
Prevent formation of aerosols.
: **Information about protection against explosions and fires:**
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Keep respiratory protective device available.

: **Conditions for safe storage, including any incompatibilities**
: **Storage:**
: **Requirements to be met by storerooms and receptacles:** No special requirements.
: **Information about storage in one common storage facility:** Not required.
: **Further information about storage conditions:** Keep receptacle tightly sealed.
: **Specific end use(s)** No further relevant information available.

* 8 Exposure controls/personal protection

: **Additional information about design of technical systems:** No further data; see item 7.

: **Control parameters**

: **Components with limit values that require monitoring at the workplace:**	
1330-20-7 xylene	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 655 mg/m³, 150 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Short-term value: 651 mg/m³, 150 ppm Long-term value: 434 mg/m³, 100 ppm BEI
8008-20-6 Kerosene (petroleum)	
REL	Long-term value: 100 mg/m³ Kerosine only
TLV	Long-term value: 200 mg/m³ as total hydrocarbon vapor; Skin; P
100-41-4 ethylbenzene	
PEL	Long-term value: 435 mg/m³, 100 ppm
REL	Short-term value: 545 mg/m³, 125 ppm Long-term value: 435 mg/m³, 100 ppm
TLV	Long-term value: 87 mg/m³, 20 ppm BEI

(Contd. on page 5)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 4)

: **Ingredients with biological limit values:**	
1330-20-7 xylene	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids
100-41-4 ethylbenzene	
BEI	0.7 g/g creatinine Medium: urine Time: end of shift at end of workweek Parameter: Sum of mandelic acid and phenylglyoxylic acid (nonspecific, semi-quantitative) - Medium: end-exhaled air Time: not critical Parameter: Ethyl benzene (semi-quantitative)

: **Additional information:** The lists that were valid during the creation were used as basis.

: **Exposure controls**

: **Personal protective equipment:**

: **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Store protective clothing separately.
Avoid contact with the skin.
Avoid contact with the eyes and skin.

: **Breathing equipment:**
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

: **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

: **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

: **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 6)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 5)

: **Eye protection:**



Tightly sealed goggles

9 Physical and chemical properties

: **Information on basic physical and chemical properties**	
: **General Information**	
: **Appearance:**	
: **Form:**	Fluid
: **Color:**	Red
: **Odor:**	Aromatic
: **Odor threshold:**	Not determined.
: **pH-value:**	Not determined.
: **Change in condition**	
: **Melting point/Melting range:**	Undetermined.
: **Boiling point/Boiling range:**	137 °C (279 °F)
: **Flash point:**	> 35 °C (> 95 °F)
: **Flammability (solid, gaseous):**	Not applicable.
: **Ignition temperature:**	254 °C (489 °F)
: **Decomposition temperature:**	Not determined.
: **Auto igniting:**	Product is not selfigniting.
: **Danger of explosion:**	Product is not explosive. However, formation of explosive air/ vapor mixtures are possible.
: **Explosion limits:**	
: **Lower:**	0.7 Vol %
: **Upper:**	7.0 Vol %
: **Vapor pressure at 20 °C (68 °F):**	6.7 hPa (5 mm Hg)
: **Density:**	Not determined.
: **Relative density**	Not determined.
: **Vapor density**	Not determined.
: **Evaporation rate**	Not determined.
: **Solubility in / Miscibility with**	
: **Water:**	Not miscible or difficult to mix.
: **Partition coefficient (n-octanol/water):**	Not determined.
: **Viscosity:**	
: **Dynamic:**	Not determined.
: **Kinematic:**	Not determined.
: **Solvent content:**	
: **Organic solvents:**	32.6 %
: **VOC content:**	32.6 %
: **Solids content:**	30.9 %
: **Other information**	No further relevant information available.

(Contd. on page 7)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 6)

10 Stability and reactivity

: **Reactivity** No further relevant information available.
: **Chemical stability**
: **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
: **Possibility of hazardous reactions** No dangerous reactions known.
: **Conditions to avoid** No further relevant information available.
: **Incompatible materials:** No further relevant information available.
: **Hazardous decomposition products:** No dangerous decomposition products known.

* 11 Toxicological information

: **Information on toxicological effects**
: **Acute toxicity:**

: **LD/LC50 values that are relevant for classification:**		
92257-31-3 2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.		
Oral	LD50	>5000 mg/kg (rat)
1330-20-7 xylene		
Oral	LD50	4300 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
8008-20-6 Kerosene (petroleum)		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	>5000 mg/l (rat)
64742-94-5 Solvent naphtha (petroleum), heavy arom.		
Oral	LD50	>5000 mg/kg (rat) (OECD Guideline 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD Guideline 402)
Inhalative	LC50/4 h	4778 mg/l (rat) (OECD Guideline 403)
100-41-4 ethylbenzene		
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	17800 mg/kg (rabbit)

: **Primary irritant effect:**
: **on the skin:** Irritant to skin and mucous membranes.
: **on the eye:** No irritating effect.
: **Sensitization:** No sensitizing effects known.
: **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
: **Carcinogenic Status:**
Contains an o-Toluidine-based azo dye. Metabolic studies on some Azo-dyes, following prolonged skin or oral cavity contact, have detected reduction of azo bonds to aromatic amines. This product, therefore, could potentialy metabolize to o-toluidine and o-aminoazotoluene upon prolonged skin or oral cavity contact. o-Toluidine and o-aminoazotoluene have been identified as animal carcinogens.
: **Reproductive effects:**

(Contd. on page 8)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 7)

May affect reproductive system. Contains: a version of 2-Naphthalenol,1-[[4-(phenylazo)phenyl]azo]-,ar-heptyl ar',ar''-me derivitives. A reproductive screening study in rats with some versions of 2-Naphthalenol,1-[[4-(phenylazo)phenyl]azo]-,ar-heptyl ar',ar''-me derivitives produced adverse effects on reproduction [ovarian atrophy; reduced litter size; reduced pup weight with no apparent abnormal morphology of the surviving pups] at 20 and 80 mg/kg/day. The relevance of these findings for humans is uncertain, but may be predictive of the potential to cause harm.

: **Carcinogenic categories**

: **IARC (International Agency for Research on Cancer)**		
1330-20-7	xylene	3
8008-20-6	Kerosene (petroleum)	2B
100-41-4	ethylbenzene	2B
91-20-3	Naphthalene	2B

: **NTP (National Toxicology Program)**		
91-20-3	Naphthalene	R

: **OSHA-Ca (Occupational Safety & Health Administration)**
None of the ingredients is listed.

* 12 Ecological information

: **Toxicity**

: **Aquatic toxicity:**		
8008-20-6 Kerosene (petroleum)		
	EC50	10-100 mg/kg (Algae) 10-100 mg/kg (daphnia) 10-100 mg/kg (fish)
64742-94-5 Solvent naphtha (petroleum), heavy arom.		
Oral	LC50 aquatic	3.6 mg/l (Oncorhynchus mykiss)
	EC50	3.6 mg/kg (Oncorhynchus mykiss) (96 hr)
100-41-4 ethylbenzene		
	EC50	3.6 mg/kg (Algae) 1.81 mg/kg (daphnia) 4.2 mg/kg (fish)

: **Persistence and degradability** No further relevant information available.
: **Behavior in environmental systems:**
: **Bioaccumulative potential** No further relevant information available.
: **Mobility in soil** No further relevant information available.
: **Ecotoxical effects:**
: **Remark:** Toxic for fish
: **Additional ecological information:**
: **General notes:**
Water hazard class 2 (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Also poisonous for fish and plankton in water bodies.
Toxic for aquatic organisms
: **Results of PBT and vPvB assessment**
: **PBT:** Not applicable.
: **vPvB:** Not applicable.
: **Other adverse effects** No further relevant information available.

(Contd. on page 9)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 8)

13 Disposal considerations

: **Waste treatment methods**
: **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

: **Uncleaned packagings:**
: **Recommendation:** Disposal must be made according to official regulations.

* 14 Transport information

: **UN-Number**	
: **DOT, IMDG, IATA**	UN1993
: **UN proper shipping name**	
: **DOT**	Flammable liquids, n.o.s. (Kerosene (petroleum), Xylenes)
: **IMDG**	FLAMMABLE LIQUID, N.O.S. (Kerosene (petroleum), XYLENES)
: **IATA**	Flammable liquid, n.o.s. (Kerosene (petroleum), Xylenes)
: **Transport hazard class(es)**	
: **DOT**	



: **Class**	3 Flammable liquids
: **Label**	3
: **IMDG, IATA**	



: **Class**	3 Flammable liquids
: **Label**	3
: **Packing group**	
: **DOT, IMDG, IATA**	III
: **Environmental hazards:**	Product contains environmentally hazardous substances: Naphthalene
: **Marine pollutant:**	No
: **Special precautions for user**	Warning: Flammable liquids
: **Danger code (Kemler):**	30
: **EMS Number:**	F-E,S-E
: **Stowage Category**	A
: **Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**	Not applicable.
: **Transport/Additional information:**	
: **DOT**	
: **Quantity limitations**	On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L

(Contd. on page 10)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 9)

: **IMDG**	
: **Limited quantities (LQ)**	5L
: **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
: **UN "Model Regulation":**	UN 1993 FLAMMABLE LIQUIDS, N.O.S. (KEROSENE (PETROLEUM), XYLENES), 3, III, ENVIRONMENTALLY HAZARDOUS

* 15 Regulatory information

: **Safety, health and environmental regulations/legislation specific for the substance or mixture**
: **Sara**

: **Section 355 (extremely hazardous substances):**
None of the ingredients is listed.

: **Section 313 (Specific toxic chemical listings):**

1330-20-7	xylene
100-41-4	ethylbenzene

: **Sara 311/312 Hazards**
Fire Hazard, Acute Health Hazard, Chronic Health Hazard
None of the ingredients is listed.

: **CERCLA Hazardous Substances and Corresponding RQ's**

1330-20-7	xylene	100 lbs or 45.4 kgs
100-41-4	ethylbenzene	1000 lbs or 454 kgs
91-20-3	Naphthalene	100 lbs or 45.4 kgs

: **Clean Water Act**
None of the ingredients is listed.

: **Massachusetts Extraordinary Harardous Substances**
None of the ingredients is listed.

: **Sara Section 302 (Reportable Ingredients)**
None of the ingredients is listed.

: **SARA Section 304 (Reportable Ingredients)**
None of the ingredients is listed.

: **TSCA (Toxic Substances Control Act):**
All ingredients are listed.

: **California Right to Know Law**

1330-20-7	xylene	Yes
100-41-4	ethylbenzene	Yes
91-20-3	Naphthalene	Yes

: **Massachusetts Right to Know Law**

1330-20-7	xylene	Yes
100-41-4	ethylbenzene	Yes

: **Minnesota Right to Know Law**

1330-20-7	xylene	Yes
100-41-4	ethylbenzene	Yes

(Contd. on page 11)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 10)

: **New Jersey Right to Know Law**	
1330-20-7	xylene
100-41-4	ethylbenzene

: **Pennsylvania Right to Know Law**		
1330-20-7	xylene	Yes
64742-94-5	Solvent naphtha (petroleum), heavy arom.	Yes
100-41-4	ethylbenzene	Yes

: **Rhode Isalnd Right to Know Law**		
1330-20-7	xylene	Yes
100-41-4	ethylbenzene	Yes

: **New Jersey Special Hazardous Substances**	
91-20-3	Naphthalene

: **Illinois Toxic Air Contaminants**	
91-20-3	Naphthalene

: **Pennsylvania Right to Know Special Hazardous Substances**	
91-20-3	Naphthalene

: **Proposition 65**

: **Chemicals known to cause cancer:**	
100-41-4	ethylbenzene
91-20-3	Naphthalene

: **Chemicals known to cause reproductive toxicity for females:**
None of the ingredients is listed.

: **Chemicals known to cause reproductive toxicity for males:**
None of the ingredients is listed.

: **Chemicals known to cause developmental toxicity:**
None of the ingredients is listed.

: **Pennsylvania Right to Know Environmental Hazard**
None of the ingredients is listed.

: **Carcinogenic categories**

: **EPA (Environmental Protection Agency)**		
1330-20-7	xylene	I
100-41-4	ethylbenzene	D
91-20-3	Naphthalene	C, CBD

: **TLV (Threshold Limit Value established by ACGIH)**		
1330-20-7	xylene	A4
8008-20-6	Kerosene (petroleum)	A3
100-41-4	ethylbenzene	A3
91-20-3	Naphthalene	A4

: **NIOSH-Ca (National Institute for Occupational Safety and Health)**
None of the ingredients is listed.

: **GHS label elements**
The product is classified and labeled according to the Globally Harmonized System (GHS).

(Contd. on page 12)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 11)

: **Hazard pictograms**



GHS02 GHS07 GHS08 GHS09

: **Signal word** Danger

: **Hazard-determining components of labeling:**
xylene
2-Naphthalenol, 1-[2-[4-(2-phenyldiazenyl)phenyl]diazenyl]-, ar-heptyl ar',ar''-Me derivs.
ethylbenzene
Kerosene (petroleum)

: **Hazard statements**
Flammable liquid and vapor.
Causes skin irritation.
Suspected of causing cancer.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation. May cause drowsiness or dizziness.
May cause damage to the hearing organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Toxic to aquatic life with long lasting effects.

: **Precautionary statements**
Keep away from heat/sparks/open flames/hot surfaces. No smoking.
Use explosion-proof electrical/ventilating/lighting/equipment.
Do not breathe dust/fume/gas/mist/vapors/spray.
Use only outdoors or in a well-ventilated area.
Avoid release to the environment.
Wear protective gloves / eye protection / face protection.
Ground/bond container and receiving equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wash thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
IF SWALLOWED: Immediately call a POISON CENTER/ doctor.
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Call a POISON CENTER/doctor if you feel unwell.
Specific treatment (see on this label).
IF exposed or concerned: Get medical advice/attention.
If skin irritation occurs: Get medical advice/attention.
Get medical advice/attention if you feel unwell.
Do NOT induce vomiting.
In case of fire: Use for extinction: CO2, powder or water spray.
Collect spillage.
Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Store in a well-ventilated place. Keep cool.
Dispose of contents/container in accordance with local/regional/national/international regulations.

: **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

(Contd. on page 13)

Safety Data Sheet
acc. to OSHA HCS

DRAFT

Printing date 02/12/2016 Reviewed on 02/12/2016

Trade name: Unisol® Liquid Red BK-50

(Contd. of page 12)

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

: **Department issuing SDS:** Regulatory Affairs department.
: **Contact:** J. Frederico, Ph.D
: **Date of preparation / last revision** 02/12/2016 / -
: **Abbreviations and acronyms:**
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
BEI: Biological Exposure Limit
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Carc. 2: Carcinogenicity, Hazard Category 2
Repr. 2: Reproductive toxicity, Hazard Category 2
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
: *** Data compared to the previous version altered.**