

CLEANUP ACTION REPORT

FORMER ASPHALT BATCH PLANT 2001 JOHNSON ROAD CENTRALIA, WASHINGTON


**Submitted by:
Farallon Consulting, L.L.C.
975 5th Avenue Northwest
Issaquah, Washington 98027**

Farallon PN: 525-031

**For:
Lakeside Industries, Inc.
6505 226th Place Southeast, Suite 200
Issaquah, Washington 98027**

February 28, 2023

Prepared by:

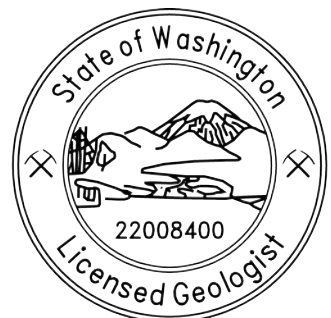


Sarah Snyder, L.G.
Senior Geologist

Reviewed by:



Pete Kingston, L.G.
Principal Geologist



Sarah E. Snyder



Peter J. Kingston



TABLE OF CONTENTS

1.0	INTRODUCTION.....	1-1
1.1	PURPOSE AND OBJECTIVES	1-2
1.2	REPORT ORGANIZATION.....	1-3
2.0	PROPERTY BACKGROUND	2-1
2.1	PROPERTY DESCRIPTION	2-1
2.2	CURRENT AND HISTORICAL USES OF THE FORMER ASPHALT BATCH PLANT	2-1
2.3	CURRENT AND HISTORICAL USES OF SURROUNDING AREA ..	2-1
2.4	GEOLOGY AND HYDROGEOLOGY	2-2
2.5	2018 SUBSURFACE INVESTIGATION	2-2
3.0	CLEANUP ACTION TECHNICAL ELEMENTS.....	3-1
3.1	FEASIBILITY STUDY	3-1
3.2	CLEANUP ACTION OBJECTIVES	3-1
3.3	APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS.....	3-2
3.4	CONSTITUENTS OF CONCERN.....	3-2
	3.4.1 Soil	3-2
	3.4.2 Groundwater	3-3
3.5	MEDIA OF CONCERN	3-3
3.6	TERRESTRIAL ECOLOGICAL EVALUATION	3-3
3.7	CLEANUP STANDARDS	3-3
	3.7.1 Cleanup Levels.....	3-4
	3.7.2 Points of Compliance.....	3-4
4.0	CLEANUP ACTION	4-1
4.1	EXCAVATION OBSERVATION AND SOIL SAMPLING	4-1
4.2	PERFORMANCE MONITORING	4-2
4.3	CONFIRMATION MONITORING	4-2
4.4	PROTECTION MONITORING.....	4-2
4.5	SOIL TRANSPORT AND DISPOSAL.....	4-3
4.6	MONITORING WELL INSTALLATION.....	4-3
4.7	GROUNDWATER MONITORING	4-4
5.0	CLEANUP ACTION RESULTS.....	5-1
5.1	CONFIRMATION SOIL SAMPLING.....	5-1
5.2	SOIL TRANSPORT AND DISPOSAL.....	5-1
5.3	GROUNDWATER SAMPLING.....	5-1
6.0	COMPLIANCE GROUNDWATER MONITORING	6-1
7.0	SUMMARY AND REQUEST FOR NFA LIKELY DETERMINATION...	7-1



8.0	REFERENCES.....	8-1
9.0	LIMITATIONS.....	9-1
9.1	GENERAL LIMITATIONS	9-1
9.2	LIMITATION ON RELIANCE BY THIRD PARTIES	9-1

FIGURES

Figure 1	<i>Property Vicinity Map</i>
Figure 2	<i>Property Layout</i>
Figure 3	<i>Former Operational Areas</i>
Figure 4	<i>Soil Analytical Results for DRO and ORO – Pre-Cleanup Action</i>
Figure 5	<i>Groundwater Contours for July 16, 2019</i>
Figure 6	<i>Groundwater Contours for October 14, 2019</i>
Figure 7	<i>Groundwater Contours for January 16, 2020</i>
Figure 8	<i>Groundwater Contours for April 21, 2020</i>
Figure 9	<i>Groundwater Contours for April 12, 2022</i>
Figure 10	<i>Performance and Confirmation Soil Analytical Results for DRO and ORO</i>
Figure 11	<i>Soil Analytical Results for DRO and ORO – Post-Cleanup Action</i>
Figure 12	<i>Groundwater Analytical Results for DRO and ORO</i>

TABLES

Table 1	<i>Groundwater Elevations</i>
Table 2	<i>Soil Analytical Results for Petroleum Hydrocarbons</i>
Table 3	<i>Groundwater Analytical Results for Petroleum Hydrocarbons</i>

APPENDICES

Appendix A	<i>Test Pit and Boring Logs</i>
Appendix B	<i>Laboratory Analytical Reports</i>
Appendix C	<i>Terrestrial Ecological Evaluation Form</i>
Appendix D	<i>Waste Disposal Documentation</i>



ACRONYMNS AND ABBREVIATIONS

ARARs	applicable or relevant and appropriate requirements
bgs	below ground surface
CAR	Cleanup Action Report
COCs	constituents of concern
COPCs	constituents of potential concern
DRO	total petroleum hydrocarbons as diesel-range organics
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
Farallon	Farallon Consulting, L.L.C.
GRO	total petroleum hydrocarbons as gasoline-range organics
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
MTCA	Washington State Model Toxics Control Act Cleanup Regulation
NAVD88	North America Vertical Datum of 1988
NFA	No Further Action
PAHs	polycyclic aromatic hydrocarbons
PCS	petroleum-contaminated soil
PQL	practical quantitation limit
ORO	total petroleum hydrocarbons as oil-range organics
SIM	selected ion monitoring
TEE	terrestrial ecological evaluation
TPH	total petroleum hydrocarbons
VOC	volatile organic compounds



1.0 INTRODUCTION

Farallon Consulting, L.L.C. (Farallon) has prepared this Cleanup Action Report (CAR) on behalf of Lakeside Industries, Inc. (Lakeside Industries) to document the permanent cleanup action completed at the former asphalt batch plant on the property at 2001 Johnson Road in Centralia, Washington (herein referred to as the Former Asphalt Batch Plant) (Figure 1). The Former Asphalt Batch Plant is on the south-central portion of Lewis County Parcel No. 00977200100, which totals 81.38 acres of land (herein referred to as the Property) (Figure 1). Figure 2 shows the general layout of the Property and Figure 3 shows the historical operational areas for the Former Asphalt Batch Plant.

The Site, as defined under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA), Chapter 173-340 of the Washington Administrative Code (WAC 173-340), comprises an area proximate to the Former Asphalt Batch Plant where hazardous substances have come to be located at concentrations exceeding applicable MTCA cleanup levels. A distinct and separate site was identified at the Property proximate to a former concrete batch plant (Figures 2 and 3). Documentation of the permanent cleanup action completed at the former concrete batch plant, which is located north of the Former Asphalt Batch Plant, will be provided in a separate report.

A subsurface investigation was conducted at the Former Asphalt Batch Plant in June 2018 to evaluate constituents of potential concern (COPCs) in soil from suspected releases related to historical operations at the Former Asphalt Batch Plant. The subsurface investigation included collection of soil samples that were analyzed for total petroleum hydrocarbons (TPH) as gasoline-range organics (GRO), as diesel-range organics (DRO), and as oil-range organics (ORO); volatile organic compounds (VOCs); polycyclic aromatic hydrocarbons (PAHs); and metals.

Constituents of concern (COCs) are defined as hazardous substances that have been detected at concentrations exceeding MTCA cleanup levels. The results of the subsurface investigation conducted by Farallon confirmed DRO and ORO as the COCs for soil at the Former Asphalt Batch Plant. Sample pre-screening or hydrocarbon identification using Method NWTPH-HCID were not conducted to determine the type of petroleum products present in the soil samples prior to laboratory analysis. Therefore, the laboratory analytical results are reported as DRO and ORO fractions, which are summed to give a combined DRO and ORO concentration in accordance with *Determining Compliance with Method A Cleanup Levels for Diesel and Heavy Oil, Implementation Memorandum #4* dated June 17, 2004, prepared by the Washington State Department of Ecology (Ecology). Combined concentrations of DRO and ORO exceeded the MTCA Method A cleanup levels in one localized area associated with the Former Asphalt Batch Plant. The source of DRO and ORO is confirmed to be from prior releases during historical operations at the Former Asphalt Batch Plant. Soil with combined concentrations of DRO and ORO exceeding the MTCA Method A cleanup levels are herein referred to as petroleum-contaminated soil (PCS).

Sufficient data were obtained during the subsurface investigation to proceed with selection, design, and implementation of a permanent cleanup action for the Former Asphalt Batch Plant. The permanent cleanup action was performed in April and May 2019 and included excavation and off-Property disposal of PCS to the maximum extent practicable to protect human health and the



environment, including future impacts to groundwater. A localized area of PCS on the western portion of the excavation at a depth of approximately 20 to 24 feet below ground surface (bgs) was not excavated due to disproportionate costs associated with removing a significant volume of overburden and complex dewatering requirements to access a small volume of PCS remaining in-place within the shallow groundwater-bearing zone. In addition, based on the results from the cleanup action and post-excavation groundwater monitoring, the potential exposure pathways related to the small volume of PCS remaining in-place, including direct contact and soil to groundwater, are incomplete.

Four groundwater monitoring wells (FMW-01 through FMW-04) were installed at the Former Asphalt Batch Plant following completion of the cleanup action (Figure 3). Farallon performed five groundwater monitoring events between July 2019 and April 2022 to evaluate post-excavation groundwater conditions and assess monitored natural attenuation of residual dissolved-phase petroleum hydrocarbons remaining in shallow groundwater. Based on the results from the groundwater monitoring events, the source removal excavation was successful in reducing residual dissolved-phase petroleum hydrocarbons in groundwater to concentrations less than MTCA cleanup levels.

The permanent cleanup action meets the eligibility requirements for a model remedy in accordance with Ecology's Model Remedies for Sites with Petroleum Impacts to Groundwater (Ecology 2015). Specifically, the Former Asphalt Batch Plant meets the requirements for Model Remedy 1, because the permanent cleanup action was completed to the maximum extent practicable to protect human health and the environment, including future impacts to groundwater, and the MTCA cleanup levels were achieved at the point of compliance for soil. Empirical data will be used to show compliance with Method A groundwater cleanup levels and demonstrate that the soil contaminant concentrations are protective of the soil to groundwater pathway. To demonstrate compliance with MTCA Method A groundwater cleanup levels, Stage 3 confirmation monitoring will be completed as described in Ecology's *Guidance for Remediation of Petroleum Contaminated Sites* (Publication No. 10-09-057) dated November 2010, revised June 2016 (Ecology 2010).

The cleanup action was conducted as an independent remedial action in accordance with the requirements of MTCA. The purpose of the independent remedial action was to protect human health and the environment, including future impacts to groundwater, by eliminating risks posed by COCs identified at the Former Asphalt Batch Plant. The independent remedial action complied with the requirements for a cleanup action as defined in WAC 173-340-350 through 173-340-390 and the requirements of substantial equivalence under WAC 173-340-515 and 173-340-545.

Farallon, on behalf of Lakeside Industries, requests that Ecology issue a No Further Action (NFA) likely determination for the Former Asphalt Batch Plant. Following Stage 3 confirmation monitoring, an NFA determination will be requested from Ecology.

1.1 PURPOSE AND OBJECTIVES

The purpose of this CAR is to document the cleanup action completed at the Former Asphalt Batch Plant. The objective of the cleanup action is to protect human health and the environment. The cleanup action was conducted to remediate COCs exceeding MTCA cleanup levels in soil and groundwater to the maximum extent practicable to protect human health and the environment,



including future impacts to groundwater, and to obtain an NFA determination for the Property from Ecology. As noted above, the cleanup action was conducted as an independent remedial action in accordance with the requirements of MTCA as established in WAC 173-340, and constitutes the substantial equivalent of an Ecology-conducted or -supervised remedial action.

1.2 REPORT ORGANIZATION

This CAR includes the following sections:

- **Section 2, Property Background**, provides a description of the Former Asphalt Batch Plant and a summary of the background, geology and hydrogeology, and previous environmental investigation conducted at the Former Asphalt Batch Plant.
- **Section 3, Cleanup Action Technical Elements**, identifies the cleanup action objectives, applicable or relevant and appropriate requirements (ARARs), COCs, media of concern, terrestrial ecological evaluation (TEE), and cleanup standards for the Former Asphalt Batch Plant.
- **Section 4, Cleanup Action**, describes the technical approach for the cleanup action, including soil removal activities, performance and confirmation soil sampling, transportation and disposal of PCS, and post-excavation groundwater monitoring.
- **Section 5, Cleanup Action Results**, provides a summary of confirmation soil and groundwater sampling and describes the soil transport and disposal of PCS.
- **Section 6, Compliance Groundwater Monitoring**, provides a description of the proposed compliance groundwater monitoring program.
- **Section 7, Summary and Request for No Further Action Likely Determination**, summarizes the cleanup action completed at the Former Asphalt Batch Plant and presents the request for an NFA likely determination.
- **Section 8, References**, lists the documents used in preparing this CAR.
- **Section 9, Limitations**, provides the limitations associated with this CAR.



2.0 PROPERTY BACKGROUND

This section includes a description of the Property, a summary of current and historical uses of the Former Asphalt Batch Plant and surrounding properties, a description of local geology and hydrogeology, and a summary of the 2018 subsurface investigation.

2.1 PROPERTY DESCRIPTION

The Property consists of Lewis County Parcel No. 00977200100, which totals 81.38 acres of land (Figure 2). Rail lines, which are owned by the Puget Sound & Pacific Railroad, trend southeast to northwest and split the Property. Historical operations on the eastern side of the rail lines consisted of the Former Asphalt Batch Plant, a concrete batch plant, a sand and gravel mine, and a gravel crusher (Figure 3). The area of the Former Asphalt Batch Plant consists of approximately 1.3 acres of land within the east-central portion of the Property (Figure 2). Lakeside Industries currently uses the eastern side of the rail lines, including the Former Asphalt Batch Plant, for storage and staging of equipment. The current operational asphalt batch plant is on the western side of the rail lines (Figure 2).

2.2 CURRENT AND HISTORICAL USES OF THE FORMER ASPHALT BATCH PLANT

According to the information currently available to Lakeside Industries, the Former Asphalt Batch Plant began operating on the eastern side of the rail lines in the 1950s. In 2008, Lakeside Industries closed the eastern asphalt batch plant operations and constructed a new asphalt batch plant on the western side of the rail lines, which is currently in operation. The western portion of the Property currently is operated as an asphalt batch plant with aggregate storage and associated structures. The eastern portion of the Property, including the area of the Former Asphalt Batch Plant, currently is used for storage and staging of paving equipment. The Former Asphalt Batch Plant was located adjacent to a former sand and gravel mining area. Sand and gravel mining activities created a depression resulting in a large pond (Figure 2). The pond area currently is being backfilled with imported fill material in accordance with the *Mitigated Determination of Nonsignificance* dated May 14, 2010, prepared by the City of Centralia.

2.3 CURRENT AND HISTORICAL USES OF SURROUNDING AREA

Surrounding areas appear to consist of mixed-use residential, commercial, and industrial properties since at least 1964 (Figure 2). The Property is bordered to the north by a pond (former sand and gravel mine), which is predominantly located on the Property, followed by a metals processing facility (Scot Industries, Inc.); bordered to the east by a rail line and Interstate-5; bordered to the south by undeveloped land also owned by Lakeside Industries followed by BNSF Blakeslee Centralia Yard; and bordered to the west by residential properties (Figure 2).



2.4 GEOLOGY AND HYDROGEOLOGY

The Former Asphalt Batch Plant is located in an area underlain by younger glacial drift, consisting of advance and recessional outwash, stratified drift, and associated deposits. Surficial geology predominantly consists of silt, sand, and gravel with some clay.

Farallon observed and logged soil conditions encountered during the subsurface investigation. The stratigraphy underlying the Former Asphalt Batch Plant consists of silty sands and sandy silts to a depth of approximately 10 to 12 feet bgs, underlain by well-graded or silty gravels to the maximum explored depth of approximately 40 feet bgs. Test pit, boring, and well construction logs are provided in Appendix A.

Associated Earth Sciences Inc. (AESI) performed groundwater level monitoring at the Property to evaluate groundwater conditions associated with reclamation of the large pond area located north and east of the Former Asphalt Batch Plant (AESI 2020). Groundwater elevation data collected by AESI between April 2010 and January 2020 indicated that seasonal groundwater elevations fluctuated by as much as 15 feet in the vicinity of the Former Asphalt Batch Plant, with depth to groundwater typically encountered between 20 and 30 feet bgs at an elevation of approximately 150 to 165 feet North America Vertical Datum of 1988 (NAVD88).

The top of the shallow groundwater-bearing zone was encountered at approximately 15 feet bgs during excavation and monitoring well installation activities in May and July 2019. Groundwater elevations ranged from approximately 151 to 167 feet NAVD88 during groundwater monitoring events conducted at the Former Asphalt Batch Plant between July 2019 and April 2022. Based on groundwater elevations calculated using synoptic measurements during each groundwater monitoring event, the shallow groundwater-bearing zone flow direction fluctuated between monitoring events, but has consistently been to the northeast during the three most recent monitoring events. Groundwater elevations from the July 2019 to April 2022 groundwater monitoring events are presented in Table 1, and groundwater elevation contours are illustrated on Figures 5 through 9.

2.5 2018 SUBSURFACE INVESTIGATION

This section provides a summary of the 2018 subsurface investigation conducted by Farallon at the Former Asphalt Batch Plant. Test pit locations and soil analytical results are shown on Figure 4 and analytical results are presented in Table 2. Laboratory analytical reports for subsurface investigation activities are provided in Appendix B.

In June 2018, Farallon conducted a subsurface investigation to evaluate COPCs in soil from suspected releases related to historical operations at the Former Asphalt Batch Plant. The subsurface investigation included excavating 21 test pits (FTP-01 through FTP-20, and FTP-24) to a maximum depth of 17 feet bgs (Figure 4).

A Farallon scientist observed subsurface conditions and retained soil samples from selected intervals based on field indications of potential contamination for laboratory analysis. The information recorded for each test pit included soil type encountered, visual and olfactory evidence



of contamination, and volatile organic vapor concentrations as measured using a photoionization detector. Test pit logs are included in Appendix A.

Soil samples were collected from the center of the excavator bucket and transferred directly into laboratory-prepared glass sample containers fitted with Teflon-lined lids. Soil samples retained for VOC analysis were collected in accordance with U.S. Environmental Protection Agency (EPA) Method 5035A. Samples were placed on ice in a cooler under standard chain-of-custody protocols and delivered to OnSite Environmental, Inc. of Redmond, Washington (OnSite) or Fremont Analytical, Inc. of Seattle, Washington (Fremont) for analysis of one or more of the following: DRO and ORO by Northwest Method TPH-Dx, GRO by Northwest Method TPH-Gx, VOCs by Method 8260C, PAHs by EPA Method 8270E/selected ion monitoring (SIM), and metals by EPA Method 6010D/7471B.

Combined DRO and ORO were detected at concentrations exceeding MTCA Method A cleanup levels in soil samples collected from 10 of the 21 test pit locations, with a total of 14 soil samples exceeding the MTCA Method A cleanup level of 2,000 milligrams per kilogram (mg/kg). Soil exceedances were identified for one or more samples collected from test pits FTP-01, FTP-02, FTP-06, FTP-07, FTP-09, FTP-12, FTP-15, FTP-16, FTP-18, and FTP-19 at depths ranging between 2 and 17 feet bgs (Figure 4; Table 2).

According to the analytical laboratory, the DRO and ORO identified at both the Former Asphalt Batch Plant and former concrete batch plant (discussed in a separate report) are from similar petroleum products. Because the petroleum products were similar, only select soil samples were analyzed for VOCs, PAHs, and/or metals. Soil samples collected from test pits FTP-21, FTP-23, and FTP-34 proximate to the former concrete batch plant were analyzed for VOCs, PAHs, and/or metals. Soil analytical results for GRO, VOCs, PAHs, and metals either were not detected above the laboratory practical quantitation limits (PQLs) or were detected at concentrations less than applicable MTCA cleanup levels. Based on these data, GRO, VOCs, PAHs, and metals were not considered to be COCs for the Former Asphalt Batch Plant.

The source of the release was confirmed to be from historic release(s) during operation of the Former Asphalt Batch Plant. Farallon submitted a Release Notification/Notice of Independent Cleanup Action on behalf of Lakeside Industries to Ecology on April 17, 2019.



3.0 CLEANUP ACTION TECHNICAL ELEMENTS

This section provides a summary of the technical elements applicable to the cleanup action completed at the Former Asphalt Batch Plant. Technical elements included identification of cleanup action objectives, ARARs, COPCs, media of concern, TEE, and cleanup standards for the Former Asphalt Batch Plant.

3.1 FEASIBILITY STUDY

A feasibility study typically includes an extensive development, screening, and evaluation process for numerous remedial alternatives. However, in this instance the permanent cleanup action conducted at the Former Asphalt Batch Plant met the eligibility requirements for a model remedy in accordance with Ecology's Model Remedies for Sites with Petroleum Impacts to Groundwater (Ecology 2015). Therefore, this permanent cleanup action is exempt from the requirement to evaluate cleanup action alternatives by preparing a Feasibility Study and a Disproportionate Cost Analysis. Specifically, the Former Asphalt Batch Plant meets the requirements for Model Remedy 1 because the permanent cleanup action included soil excavation to the maximum extent practicable followed by monitored natural attenuation of residual dissolved-phase petroleum hydrocarbons remaining in shallow groundwater.

In accordance with MTCA and Ecology's Model Remedies for Sites with Petroleum Impacts to Groundwater (Ecology 2015), this permanent cleanup action met the following threshold criteria, as specified in WAC 173-340-360(2):

- Protect human health and the environment;
- Comply with cleanup standards;
- Comply with applicable state and federal laws; and
- Provide for compliance monitoring.

These criteria represent the minimum standards for an acceptable cleanup action. In addition to meeting the threshold criteria, cleanup actions under MTCA must:

- Use permanent solutions to the maximum extent practicable;
- Provide for a reasonable restoration time frame; and
- Consider public concerns.

3.2 CLEANUP ACTION OBJECTIVES

The cleanup action objectives were to:

- Protect human health and the environment by eliminating the risks posed by the COCs detected at concentrations exceeding MTCA cleanup levels in soil and groundwater at the Former Asphalt Batch Plant;



- Meet MTCA cleanup levels established for soil and groundwater at the points of compliances;
- Comply with all state and federal laws applicable to the cleanup action; and
- Provide for compliance monitoring.

3.3 APPLICABLE OR RELEVANT AND APPROPRIATE REQUIREMENTS

The primary ARARs and guidance documents related to the cleanup action are listed below:

- MTCA, Chapter 70.105D of the Revised Code of Washington, and WAC 173-340;
- *Guidance for Remediation of Petroleum Contaminated Sites* (Ecology 2016);
- Model Remedies for Sites with Petroleum Impacts to Groundwater (Ecology 2015); and
- Washington State Solid Waste Management Laws and Regulations, Chapter 70.95 of the Revised Code of Washington, WAC 173-351, and WAC 173-304.

These primary ARARs and documents were applicable to the cleanup action because they provide the framework for the cleanup action, including applicable and relevant regulatory guidelines, cleanup standards, waste disposal criteria, references for additional ARARs, and standards for documentation of the cleanup action.

Other applicable ARARs related to the cleanup action for the Former Asphalt Batch Plant included:

- Determining Compliance with Method A Cleanup Levels for Diesel and Heavy Oil, Implementation Memorandum #4 (Ecology 2004);
- Occupational Safety and Health Act, Part 1910 of Title 29 of the Code of Federal Regulations (29 CFR 1910);
- Safety Standards for Construction Work, WAC 296-155; and
- Accreditation of Environmental Laboratories, WAC 173-50.

3.4 CONSTITUENTS OF CONCERN

COCs are defined as chemicals that have been detected at concentrations exceeding MTCA cleanup levels. Provided below are the COCs that were identified for the Former Asphalt Batch Plant for each medium of concern.

3.4.1 Soil

Petroleum hydrocarbon-related constituents, including DRO and ORO, have been identified as the COCs for the Former Asphalt Batch Plant. Combined DRO and ORO were detected at concentrations exceeding MTCA Method A cleanup levels in performance soil samples collected during the cleanup action and are considered COCs for the Former Asphalt Batch Plant.



GRO, VOCs, PAHs, and metals were eliminated as COPCs for the Former Asphalt Batch Plant, because concentrations either were reported non-detect at the laboratory PQLs or were detected at concentrations less than applicable MTCA cleanup levels.

3.4.2 Groundwater

Combined DRO and ORO were detected at concentrations slightly exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells FMW-02 through FMW-04 during the July 2019 groundwater monitoring event and from FMW-04 during the January 2020 groundwater monitoring event. Therefore, DRO and ORO are considered COCs for groundwater at the Former Asphalt Batch Plant.

Combined DRO and ORO concentrations either were not detected above the laboratory PQLs or were detected at concentrations less than the MTCA Method A cleanup level at all four monitoring wells (FMW-01 through FMW-04) during the April 2020 and April 2022 groundwater monitoring events.

3.5 MEDIA OF CONCERN

Soil and groundwater have been confirmed as the media of concern at the Former Asphalt Batch Plant. Petroleum hydrocarbon-related constituents, including DRO and ORO, were the only COCs detected at concentrations exceeding the MTCA Method A cleanup levels in soil and groundwater samples collected at the Former Asphalt Batch Plant.

3.6 TERRESTRIAL ECOLOGICAL EVALUATION

A TEE is required by WAC 173-340-7490 for any site where a hazardous substance has been released to soil. The regulation requires that one of the following actions be taken:

- Document a TEE exclusion using the criteria presented in WAC 173-340-7491;
- Conduct a simplified TEE in accordance with WAC 173-340-7492; or
- Conduct a site-specific TEE in accordance with WAC 173-340-7493.

Based on the criteria for TEE exclusion in WAC 173-340-7491(1)(b), the Former Asphalt Batch Plant is excluded from a TEE because all soil containing DRO and ORO at concentrations exceeding MTCA Method A cleanup levels at depths of less than 15 feet bgs was removed from the Former Asphalt Batch Plant during the cleanup action. No further consideration of terrestrial ecological impacts is required under MTCA. The Ecology TEE Form for the Former Asphalt Batch Plant is provided in Appendix C.

3.7 CLEANUP STANDARDS

As defined in WAC 173-340-700, cleanup standards include establishing cleanup levels and the point(s) of compliance at which the cleanup levels are to be attained. The cleanup standards for the Former Asphalt Batch Plant have been established in accordance with WAC 173-340-700 through 173-340-760 to be protective of human health and the environment.



3.7.1 Cleanup Levels

The cleanup levels are the concentrations of COCs that are to be met for each medium of concern at the point of compliance defined for the Former Asphalt Batch Plant. The cleanup levels for COCs in soil and groundwater, the media of concern at the Former Asphalt Batch, are presented below.

The cleanup levels for soil at the Former Asphalt Batch Plant are the MTCA Method A cleanup levels for unrestricted land use:

- DRO and ORO – 2,000 mg/kg.

The cleanup levels for groundwater at the Former Asphalt Batch Plant are the MTCA Method A cleanup levels:

- DRO and ORO – 500 micrograms per liter (µg/l)

3.7.2 Points of Compliance

The points of compliance are the locations at which cleanup levels for the COCs in each medium of concern must be attained to meet the requirements of MTCA. The points of compliance for the Former Asphalt Batch Plant were established in accordance with WAC 173-340-740(6) for soil and WAC 173-340-720(8) for groundwater.

The point of compliance for soil depends on the exposure pathway that is the basis for the soil cleanup level. For soil cleanup levels based on human exposure via direct contact, the standard point of compliance for soil is from the ground surface to 15 feet bgs, which is a reasonable estimate of the depth of soil that could be excavated and distributed at the Former Asphalt Batch Plant. Empirical data will be used to demonstrate that the soil contaminant concentrations are protective of the soil to groundwater pathway.

The point of compliance for groundwater at the Former Asphalt Batch Plant is defined as the uppermost level of the saturated zone extending vertically to the lowest depth that potentially could be impacted by the COCs throughout the Former Asphalt Batch Plant.



4.0 CLEANUP ACTION

This section describes the elements of the cleanup action, including soil excavation activities, performance and confirmation monitoring, transport and disposal of contaminated soil, and implementation of groundwater monitoring.

The permanent cleanup action was conducted in April and May 2019, which included removal by excavation and off-Property disposal of soil contamination exceeding MTCA Method A cleanup levels to the maximum extent practicable.

Soil containing COCs at concentrations exceeding MTCA Method A cleanup levels was removed by excavation. The PCS was transported off the Property for disposal at a Subtitle D landfill under approved disposal profiles with the landfill.

The work was performed as an MTCA-compliant cleanup action and included:

- Excavation to the maximum extent practicable of PCS;
- Disposal of PCS at Cowlitz County Landfill in Longview, Washington;
- Compliance soil sampling and laboratory analysis to confirm that the cleanup levels for COCs in soil were attained at the final limits of the excavation to the maximum extent practicable;
- Backfill of the excavation areas to existing grade with clean fill material;
- Installation of monitoring wells and implementation of a groundwater monitoring program following source removal excavation to evaluate post-cleanup action groundwater conditions and demonstrate monitored natural attenuation; and
- Implementation of institutional controls to prohibit activities that may interfere with the protectiveness of the cleanup action.

The technical approach and field activities conducted for the cleanup action are summarized in the following sections.

4.1 EXCAVATION OBSERVATION AND SOIL SAMPLING

Prior to initiating excavation, the Former Asphalt Batch Plant was divided into 30- by 30-foot excavation grid areas to guide the excavation and soil sampling activities. Each excavation cell was assigned a unique alphanumeric identifier based on columns numbered 1 through 7 and rows lettered A to H, which correspond to soil samples collected during the excavation (Figure 10).

The preliminary lateral and vertical distribution of soil with concentrations of DRO and ORO was based on analytical results for soil samples previously collected during the 2018 subsurface investigation.

During the cleanup action, a Farallon scientist observed subsurface conditions and retained soil samples for potential laboratory analysis based on field indications of potential PCS. Field



observations were recorded on field forms, and included soil type encountered, visual and olfactory notations, and volatile vapor concentrations as measured using a photoionization detector. PCS was excavated laterally and vertically until field observations and laboratory analytical results indicated that PCS was removed.

Performance soil samples were collected at the Property during previous investigations and during the cleanup action. Performance soil sampling points were used as confirmation soil sampling points where analytical results for performance soil samples confirmed that cleanup levels were attained at the final limits of the excavation. Soil samples were transferred directly into laboratory-prepared glass sample containers fitted with Teflon-lined lids. Soil samples retained for analysis for VOCs were collected in accordance with EPA Method 5035A. The sample containers were placed into an iced cooler and transported under standard chain-of-custody protocols to OnSite for analysis.

4.2 PERFORMANCE MONITORING

Performance monitoring consisted of collecting soil samples to assist with establishing the lateral and vertical extent of PCS. Performance soil sampling points were used as confirmation soil sampling points where analytical results for performance soil samples confirmed that cleanup levels were attained at the final limits of the excavation area.

Laboratory analytical results for the performance soil samples are summarized on Figure 10 and in Table 2. Table 2 indicated whether a sample was over-excavated during the cleanup action. Performance samples collected during the mass excavation are coded with the excavation grid cell in which they were collected. Laboratory analytical reports are provided in Appendix B.

4.3 CONFIRMATION MONITORING

Confirmation soil samples were collected during the cleanup action to confirm the final limits of the soil excavation areas at the Former Asphalt Batch Plant. Performance soil samples collected during previous the subsurface investigation and the cleanup action were used as confirmation soil sampling points where analytical results confirmed that cleanup levels were attained at the final limits of the excavation area.

Figure 11 depicts the results for confirmation soil samples collected from the base and sides of the final limits of the completed excavation. Laboratory analytical results for the confirmation soil samples are summarized in Table 2. The laboratory analytical reports for soil samples are provided in Appendix B.

4.4 PROTECTION MONITORING

A site-specific Health and Safety Plan was prepared and implemented in accordance with WAC 173-340-810 and 29 CFR 1910.120 to protect the health and safety of Farallon personnel during the cleanup action. The Health and Safety Plan included guidelines to monitor ambient air for volatile organic vapors and action levels that would trigger the use of respirators and/or cessation of excavation activities.



Farallon monitored air quality in the breathing zone during the cleanup action using a photoionization detector to assess overall volatile organic vapors. Volatile organic vapors exceeding action levels were not detected in breathing zone ambient air during the excavation activities.

4.5 SOIL TRANSPORT AND DISPOSAL

Analytical results for soil sampling conducted during the previous subsurface investigations were used to profile the PCS for disposal. Profiling information for PCS was submitted to Cowlitz County Department of Public Works to obtain approval for disposal of the PCS at the Cowlitz County Landfill in Longview, Washington. The soil was loaded directly into trucks and transported for disposal to the Cowlitz County Landfill by Lakeside Industries.

4.6 MONITORING WELL INSTALLATION

Following completion of the source removal excavation, four compliance monitoring wells (FMW-01 through FMW-04) were installed within the vicinity of the Former Asphalt Batch Plant. Monitoring wells FMW-01 through FMW-04 were installed on July 8 and 9, 2019 by Anderson Environmental Contracting, LLC (AEC) of Kelso, Washington. Monitoring well locations are shown on Figure 3.

Monitoring wells FMW-01 through FMW-04 were installed using a sonic drill rig. A Farallon scientist observed subsurface conditions and retained soil samples from selected intervals based on field indications of potential contamination for laboratory analysis. The information recorded for each monitoring well included soil type encountered, visual and olfactory evidence of contamination, and volatile organic vapor concentrations as measured using a photoionization detector. Boring and well construction logs are included in Appendix A.

The monitoring wells were constructed in accordance with the Minimum Standards for Construction and Maintenance of Wells (WAC 173-160). The monitoring wells were installed to a total depth of 35 feet bgs and constructed of 2-inch-diameter Schedule 40 polyvinyl chloride casing flush-threaded to 20 feet of 0.010-inch slotted well screen. Monitoring wells were constructed with screens placed at depths of 15 to 35 feet bgs. The borehole annulus surrounding each well screen was filled with a filter pack consisting of clean 10/20 sand placed from the base of the screen to approximately 2 feet above the screening interval. A bentonite seal was placed from the top of the sand filter pack to a depth of approximately 2 feet bgs. A 1-foot-thick concrete surface seal was placed around the monitoring well from the top of the bentonite to approximately 1 foot bgs and surrounding the steel monument. The monitoring wells were developed until the majority of fine-grained sediment had been removed from the well screen and adjacent sand pack. The location and elevation of each monitoring well was surveyed by a Washington State-licensed surveyor.

Soil samples collected during the well drilling activities were transferred directly into laboratory-prepared sample containers, placed on ice in a cooler, and transported under standard chain-of-custody protocols to OnSite for analysis of DRO and ORO by Northwest Method TPH-Dx. Soil



analytical results are summarized in Table 2 and illustrated on Figure 11. A copy of the laboratory analytical report is included in Appendix B.

4.7 GROUNDWATER MONITORING

Farallon performed five groundwater monitoring events between July 2019 and April 2022 to evaluate post-excavation groundwater conditions and assess monitored natural attenuation of residual dissolved-phase petroleum hydrocarbons remaining in shallow groundwater. Laboratory analytical results are summarized in Table 3 and illustrated on Figure 12.

During the groundwater monitoring events, monitoring wells were opened and allowed to sit for at least 15 minutes to allow groundwater levels to equilibrate with atmospheric pressure. The depth to groundwater in each monitoring well was then measured to the nearest one-hundredth of a foot using a water-level meter. Groundwater elevations are summarized in Table 1 and groundwater contour maps are included on Figures 5 through 9.

Groundwater samples were collected in accordance with EPA procedures (EPA 1996). Purging and sampling of each monitoring well was performed using a peristaltic pump and dedicated silicone and polyethylene tubing at flow rates ranging from approximately 100 to 300 milliliters per minute. During purging, water quality indicator parameters were monitored using a multi-parameter water quality system equipped with a flow-through cell. Water quality parameters were monitored and recorded at 3-minute intervals during purging and included temperature, pH, specific conductance, dissolved oxygen, oxidation reduction potential, and turbidity. Following purging, groundwater samples were collected from the pump outlet tubing located upstream of the flow-through cell and placed directly into laboratory-prepared sample containers. Samples were placed on ice in a cooler under standard chain-of-custody protocols and delivered to OnSite of Redmond, Washington or Apex Laboratories, LLC (Apex) of Tigard, Oregon for analysis of DRO and ORO by Northwest Method NWTPH-Dx. The April 2020 groundwater samples also were analyzed by Northwest Method NWTPH-Dx with a silica gel cleanup preparation process. The laboratory analytical reports are provided in Appendix B.



5.0 CLEANUP ACTION RESULTS

Results from the cleanup action are summarized below, including results for confirmation soil sampling, soil transport and disposal activities, and groundwater sampling.

5.1 CONFIRMATION SOIL SAMPLING

The excavation included removal and off-Property disposal of all PCS, with the following exceptions:

- PCS was detected at a concentration of 4,980 mg/kg, exceeding the MTCA Method A cleanup level of 2,000 mg/kg, in soil sample D1-03-20.0 collected from the western sidewall of the remedial excavation at a depth of 20 feet bgs (Figure 11; Table 2).
- PCS was detected at a concentration of 2,240 mg/kg, exceeding the MTCA Method A cleanup level of 2,000 mg/kg, in soil sample E3-01-24.0 collected from the bottom of the remedial excavation at a depth of 24 feet bgs (Figure 11; Table 2).

This localized area of PCS not excavated due to disproportionate costs associated with removing a significant volume of overburden and complex dewatering requirements to access a small volume of PCS remaining in-place within the shallow groundwater-bearing zone. In addition, this PCS is located at depths greater than 15 feet bgs and the direct contact exposure pathway is incomplete.

The confirmation soil sampling analytical results demonstrate that soil with concentrations of DRO and ORO exceeding the MTCA Method A soil cleanup levels has been removed to the maximum extent practicable (Figure 11; Table 2). The final depth of the excavation ranged from 9 to 12 feet in the southern and northern portions, and 17 to 25 feet in the central portion.

5.2 SOIL TRANSPORT AND DISPOSAL

A total of 19,991 tons of soil were excavated and transported off of the Former Asphalt Batch Plant to the Cowlitz County Landfill in Longview, Washington by Lakeside Industries. Disposal documentation from Cowlitz County and a summary of tonnage tracking are provided in Appendix D.

5.3 GROUNDWATER SAMPLING

Combined DRO and ORO were detected at concentrations slightly exceeding the MTCA Method A cleanup level in groundwater samples collected from monitoring wells FMW-02 through FMW-04 during the July 2019 groundwater monitoring event and from FMW-04 during the January 2020 groundwater monitoring event (Figure 12; Table 3). Combined DRO and ORO were detected at a maximum concentration of 870 µg/l, slightly exceeding the MTCA Method A cleanup level of 500 µg/l, in the groundwater sample collected from monitoring well FMW-04 during the July 2019 groundwater monitoring event. Monitoring well FMW-04 is installed in the central portion of the remedial excavation area and the July 2019 groundwater monitoring event was conducted only 2 months after excavation activities were completed, which is when and where contaminant concentrations are expected to be the highest. Combined DRO and ORO were



detected at a concentration slightly exceeding the MTCA Method A cleanup level in the groundwater sample collected from monitoring well FMW-04 during the January 2020 groundwater monitoring event (Figure 12; Table 3).

Combined DRO and ORO concentrations either were not detected above the laboratory PQLs or were detected at concentrations less than the MTCA Method A cleanup level at all four monitoring wells (FMW-01 through FMW-04) during the April 2020 and April 2022 groundwater monitoring events (Figure 12; Table 3). These data demonstrate that monitored natural attenuation is occurring following completion of the source removal excavation.



6.0 COMPLIANCE GROUNDWATER MONITORING

A compliance groundwater monitoring program will be initiated to evaluate the effectiveness of the source removal excavations, to demonstrate monitored natural attenuation of the COCs, to confirm that residual dissolved-phase COCs continue to be detected at concentrations less than MTCA Method A cleanup levels, and to provide an empirical demonstration that the soil contaminant concentrations are protective of the soil to groundwater pathway.

Stage 3 confirmation monitoring will be completed as described in Ecology's *Guidance for Remediation of Petroleum Contaminated Sites* (Publication No. 10-09-057) dated November 2010, revised June 2016 (Ecology 2010). Four consecutive quarterly groundwater monitoring events will be conducted with the existing monitoring well network to evaluate seasonal variations in the water table. Groundwater samples will be collected in accordance with EPA procedures (EPA 1996) for analysis of DRO and ORO by Northwest Method NWTPH-Dx. In addition, groundwater samples may be analyzed with a silica gel cleanup preparation process in accordance with Ecology's *Draft Guidance for Silica Gel Cleanup in Washington State* (Publication No. 22-09-059) dated September 2022 (Ecology 2022).

If groundwater is in compliance with cleanup standards following the four consecutive quarterly groundwater monitoring events, Stage 3 confirmation monitoring will be complete and an NFA determination will be requested from Ecology.



7.0 SUMMARY AND REQUEST FOR NFA LIKELY DETERMINATION

This section summarizes the cleanup action conducted at the Former Asphalt Batch Plant, and presents the request for an NFA determination for the Property.

This CAR documents the permanent cleanup action completed at the Former Asphalt Batch Plant. The permanent cleanup action was completed in May and June 2019. The permanent cleanup action included removal and off-Property disposal of PCS to the maximum extent practicable to protect human health and the environment, including future impacts to groundwater. A total of 19,991 tons of soil was excavated and transported to the Cowlitz County Landfill in Longview, Washington.

A localized area of PCS on the western portion of the excavation at a depth of approximately 20 to 24 feet bgs was not excavated due to disproportionate costs associated with removing a significant volume of overburden and complex dewatering requirements to access a small volume of PCS remaining in-place within the shallow groundwater-bearing zone. This localized area of PCS is greater than 15 feet bgs, which is the point of compliance for soil. Based on the results from the cleanup action and post-excavation groundwater monitoring, the potential exposure pathways related to the small volume of PCS remaining in-place, including direct contact and soil to groundwater, are incomplete.

Groundwater monitoring events were conducted between July 2019 and April 2022 to evaluate post-excavation groundwater conditions and assess monitored natural attenuation of residual dissolved-phase petroleum hydrocarbons remaining in shallow groundwater. Based on the results from the groundwater monitoring events, the source removal excavation was successful in reducing residual dissolved-phase petroleum hydrocarbons in groundwater to concentrations less than MTCA cleanup levels. An empirical demonstration will be used to show compliance with Method A groundwater cleanup levels and demonstrate that the soil contaminant concentrations are protective of the soil to groundwater pathway. To demonstrate compliance with MTCA Method A groundwater cleanup levels, Stage 3 confirmation monitoring will be completed as described in Ecology's *Guidance for Remediation of Petroleum Contaminated Sites* (Publication No. 10-09-057) dated November 2010, revised June 2016 (Ecology 2010).

The cleanup action was conducted as an independent remedial action in accordance with the requirements of MTCA. The purpose of the independent remedial action was to protect human health and the environment by eliminating risks posed by COCs identified at the Former Asphalt Batch Plant. The independent remedial action complied with the requirements for a cleanup action as defined in WAC 173-340-350 through 173-340-390 and the requirements of substantial equivalence under WAC 173-340-515 and 173-340-545. The permanent cleanup action meets the eligibility requirements for a model remedy in accordance with Ecology's *Model Remedies for Sites with Petroleum Impacts to Groundwater* (Ecology 2015). Specifically, the Former Asphalt Batch Plant meets the requirements for Model Remedy 1 because the permanent cleanup action was completed to the maximum extent practicable to protect human health and the environment, including future impacts to groundwater, and the MTCA cleanup levels were achieved at the point of compliance for soil.



Farallon, on behalf of Lakeside Industries, requests that Ecology issue an NFA likely determination for the Former Asphalt Batch Plant. Following Stage 3 confirmation monitoring, an NFA determination will be requested from Ecology.



8.0 REFERENCES

- Associated Earth Sciences, Inc. (AESI). 2017. Letter Regarding Groundwater Quality and Water Level Monitoring, Lakeside Industries Centralia Pit, Centralia, Washington. From Lara Koger and Curtis Koger. To Karen Deal, Lakeside Industries, Inc. February 13.
- . 2020. Letter Regarding Groundwater Quality and Water Level Monitoring, Lakeside Industries Centralia Pit, Centralia, Washington. From Lara Koger and Curtis Koger. To Karen Deal, Lakeside Industries, Inc. January 30.
- City of Centralia Community Development. 2010. Mitigated Determination of Nonsignificance. Lakeside Industries, SEPA#SEPA2009-2, Case #SPR2009-2/SL2009-3.
- Farallon Consulting, LLC. 2019. Letter Regarding Proposal for Cleanup Action, Former Concrete Batch Plant, 2001 Johnson Road, Centralia, Washington. From Pete Kingston and J. Riley Conkin. To Karen Deal, Lakeside Industries. April 17.
- . 2019. Letter Regarding Release Notification/Notice of Independent Cleanup Action, Former Asphalt Batch Plant, 2001 Johnson Road, Centralia, Washington. From Pete Kingston and J. Riley Conkin. To Nicholas Acklam, Washington State Department of Ecology. April 17.
- Washington State Department of Ecology (Ecology). 2004. *Determining Compliance with Method A Cleanup Levels for Diesel and Heavy Oil, Implementation Memorandum #4*. June 17.
- . 2010. *Guidance for Remediation of Petroleum Contaminated Sites*. Publication 10-09-057. Revised June 2016. November.
- . 2015. *Model Remedies for Sites with Petroleum Contaminated Soils*. Publication 15-09-043. Revised August 2017.
- . 2022. *Draft Guidance for Silica Gel Cleanup in Washington State*. Publication 22-09-059. September.
- U.S. Environmental Protection Agency (EPA). 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*. EPA Groundwater Issue /540/S-95/504. April.



9.0 LIMITATIONS

9.1 GENERAL LIMITATIONS

The conclusions contained in this report/assessment are based on professional opinions with regard to the subject matter. These opinions have been arrived at in accordance with currently accepted hydrogeologic and engineering standards and practices applicable to this location. The conclusions contained herein are subject to the following inherent limitations:

- **Accuracy of Information.** Farallon obtained, reviewed, and evaluated certain information used in this report/assessment from sources that were believed to be reliable. Farallon's conclusions, opinions, and recommendations are based in part on such information. Farallon's services did not include verification of its accuracy or authenticity. Should the information upon which Farallon relied prove to be inaccurate or unreliable, Farallon reserves the right to amend or revise its conclusions, opinions, and/or recommendations.

Reconnaissance and/or Characterization. Farallon performed a reconnaissance and/or characterization of the Former Asphalt Batch Plant that is the subject of this report/assessment to document current conditions. Farallon focused on areas deemed more likely to exhibit hazardous materials conditions. Contamination may exist in other areas of the Former Asphalt Batch Plant that were not investigated or were inaccessible. Property activities beyond Farallon's control could change at any time after the completion of this report/assessment.

For the foregoing reasons, Farallon cannot and does not warrant or guarantee that the Former Asphalt Batch Plant is free of hazardous or potentially hazardous substances or conditions, or that latent or undiscovered conditions will not become evident in the future. Farallon's observations, findings, and opinions can be considered valid only as of the date of the report.

This report/assessment has been prepared in accordance with the contract for services between Farallon and Lakeside Industries, and currently accepted industry standards. No other warranties, representations, or certifications are made.

9.2 LIMITATION ON RELIANCE BY THIRD PARTIES

Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Lakeside Industries to address the unique needs of Lakeside Industries at the Former Asphalt Batch Plant at a specific point in time.

This is not a general grant of reliance. No one other than Lakeside Industries may rely on this report unless Farallon agrees in advance to such reliance in writing. Any unauthorized use, interpretation, or reliance on this report/assessment is at the sole risk of that party and Farallon will have no liability for such unauthorized use, interpretation, or reliance.

FIGURES

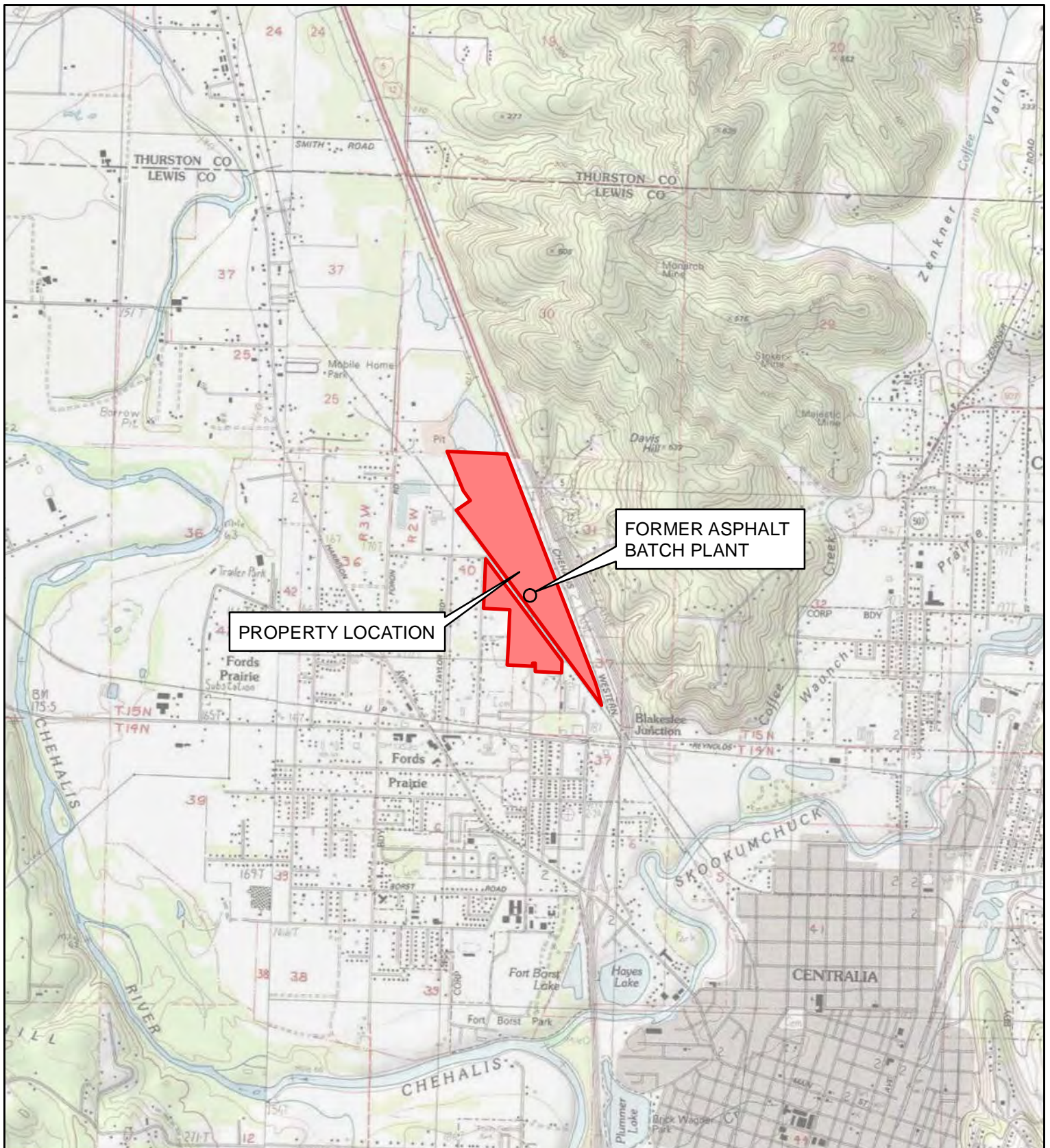
CLEANUP ACTION REPORT

Former Asphalt Batch Plant

2001 Johnson Road

Centralia, Washington

Farallon PN: 0525-031



REFERENCE: 7.5 MINUTE USGS QUADRANGLE CENTRALIA, WASHINGTON, DATED 2013



0 2,500
SCALE IN FEET



Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

Drawn By: Imurock

Checked By: SS

Date: 12/2/2022

Disc Reference:

Path: Q:\Projects\525 Lakeside\Indus\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-01_PropertyVicinity.mxd

FIGURE 1

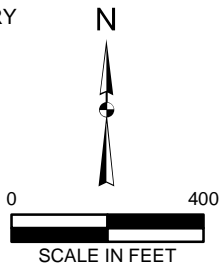
PROPERTY VICINITY MAP
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031



LEGEND

- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY



NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

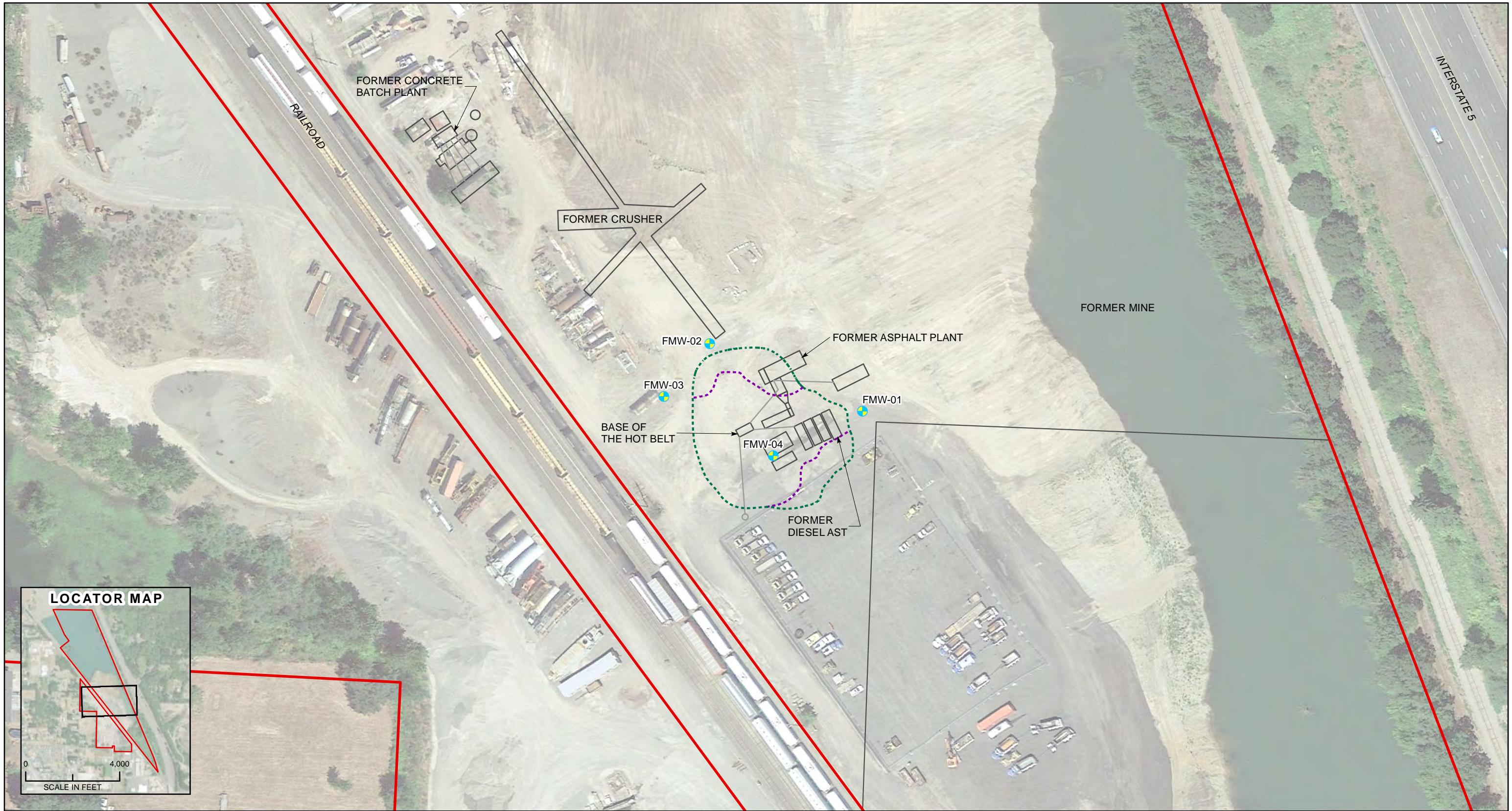
Oregon
Portland | Baker City

California
Oakland | Irvine







FIGURE 2

PROPERTY LAYOUT
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031



LEGEND

-  MONITORING WELL (FARALLON, 2019)
-  EXCAVATION BENCHING
-  EXCAVATION EXTENT
-  PROPERTY BOUNDARY
-  LEWIS COUNTY PARCEL BOUNDARY
-  FORMER PROPERTY FEATURE
- AST = ABOVEGROUND STORAGE TANK

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION

0 50 100
SCALE IN FEET



Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 3

FORMER OPERATIONAL AREAS
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

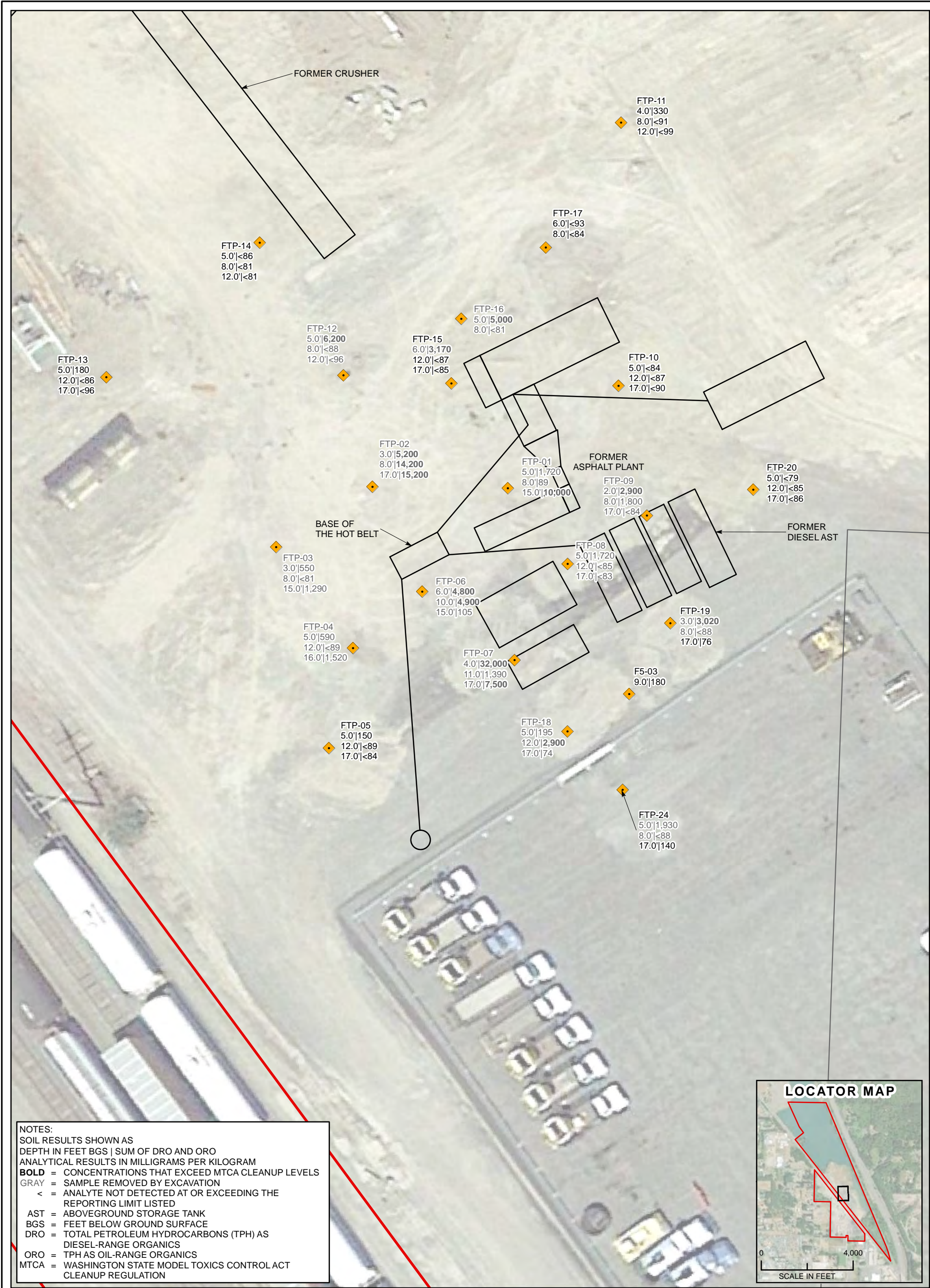
Drawn By: aguse

Checked By: SS

Date: 1/11/2023

Disc Reference:

Document Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009 CAR 2022\Figure-03 PropertyPlan.mxd



NOTES:
SOIL RESULTS SHOWN AS
DEPTH IN FEET BGS | SUM OF DRO AND ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = CONCENTRATIONS THAT EXCEED MTCA CLEANUP LEVELS
GRAY = SAMPLE REMOVED BY EXCAVATION
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE
REPORTING LIMIT LISTED
AST = ABOVEGROUND STORAGE TANK
BGS = FEET BELOW GROUND SURFACE
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS
DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT
CLEANUP REGULATION

- LEGEND**
- TEST PIT (FARALLON, 2018-2019)
 - FORMER PROPERTY FEATURE
 - PROPERTY BOUNDARY
 - LEWIS COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

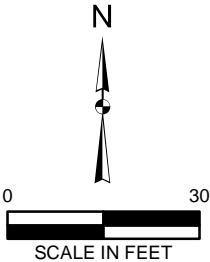
Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 4

SOIL ANALYTICAL RESULTS FOR
DRO AND ORO - PRE-CLEAUP ACTION
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031



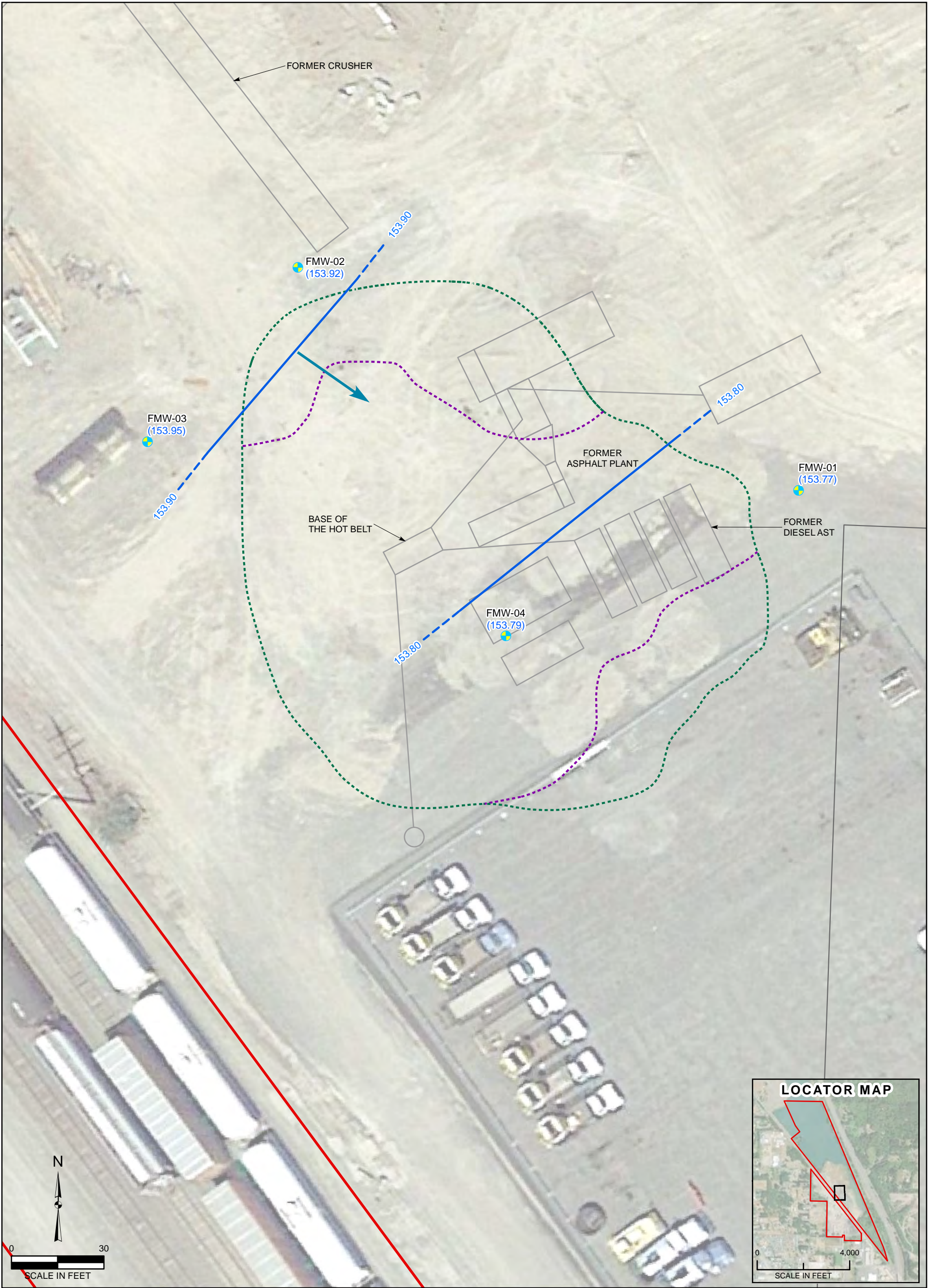
Drawn By: aguse

Checked By: SS

Date: 1/10/2023

Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-04_Soil_DRO_ORO_Pre.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY
- GROUNDWATER ELEVATION (4/12/2022) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

Drawn By: aguse

Checked By: SS

Date: 1/11/2023

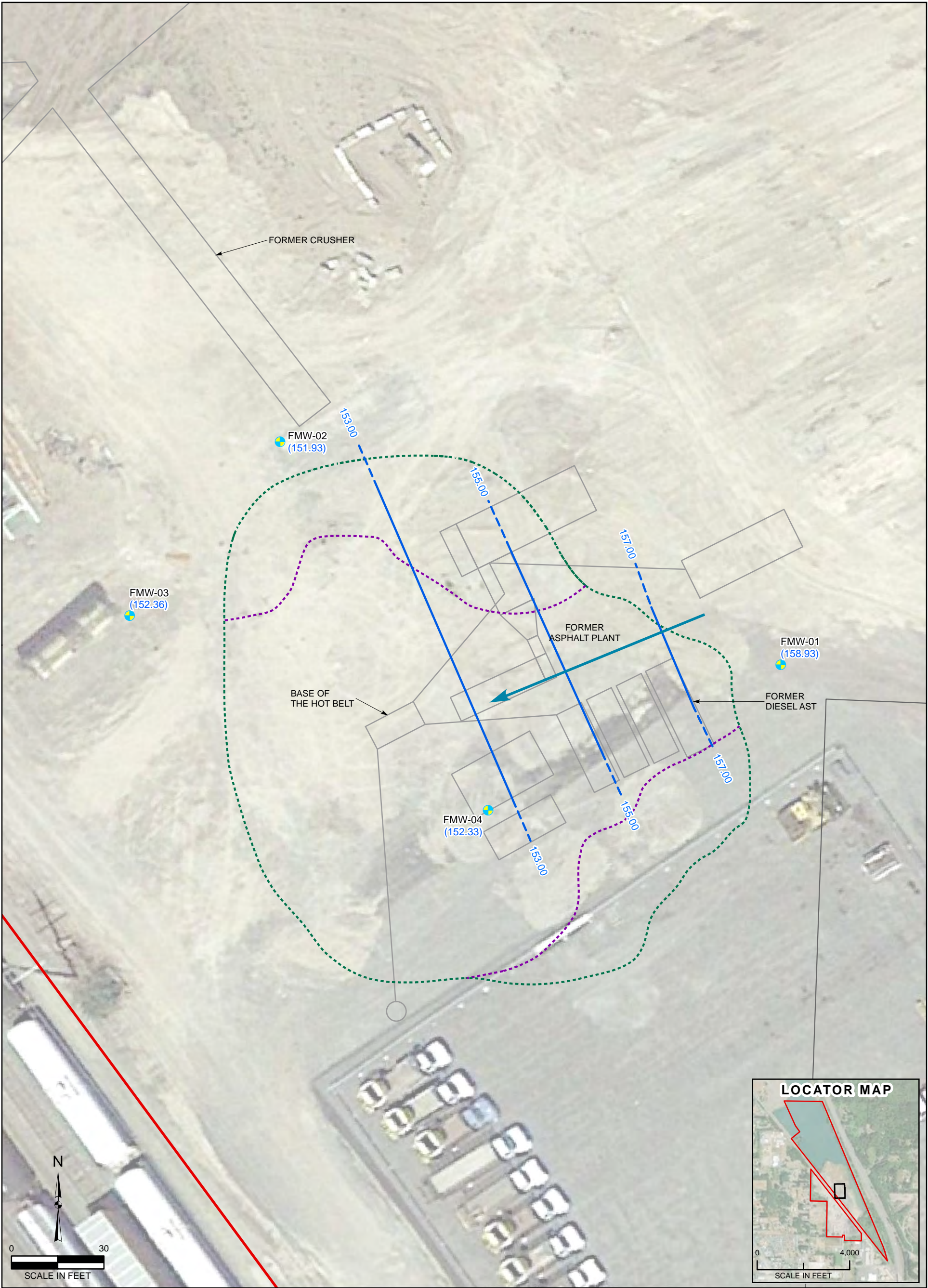
Disc Reference:

FIGURE 5










GROUNDWATER CONTOURS
JULY 16, 2019
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-05_GW_Contours_201907.mxd



LEGEND

-  MONITORING WELL (FARALLON, 2019)
-  EXCAVATION BENCHING
-  EXCAVATION EXTENT
-  FORMER PROPERTY FEATURE
-  PROPERTY BOUNDARY
-  LEWIS COUNTY PARCEL BOUNDARY
-  GROUNDWATER ELEVATION (4/12/2022) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
-  GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
-  APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 6

GROUNDWATER CONTOURS
OCTOBER 14, 2019
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

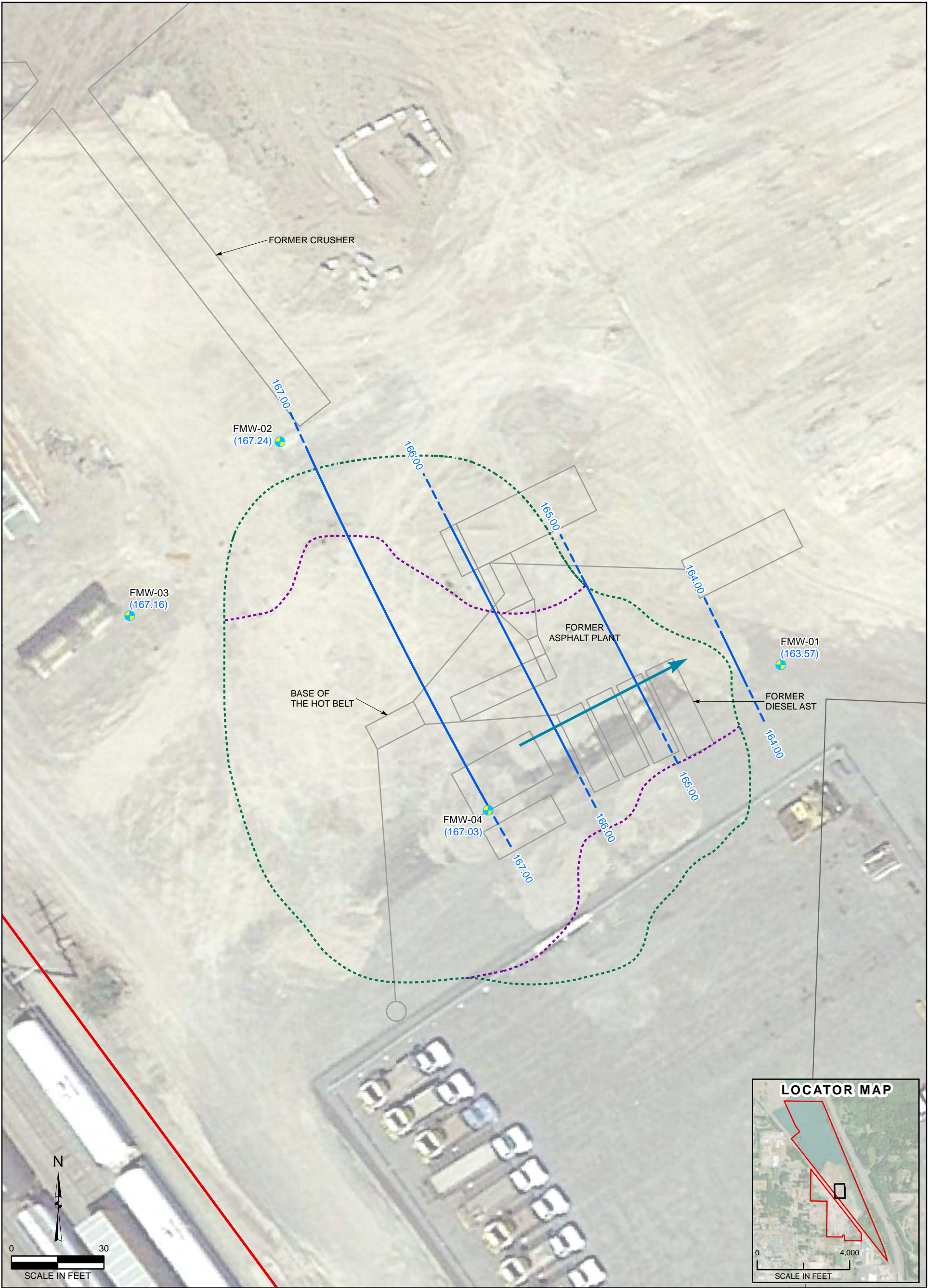
Drawn By: aguse

Checked By: SS










Date: 1/11/2023

Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-06_GW_Contours_201910.mxd



LEGEND

-  MONITORING WELL (FARALLON, 2019)
-  EXCAVATION BENCHING
-  EXCAVATION EXTENT
-  FORMER PROPERTY FEATURE
-  PROPERTY BOUNDARY
-  LEWIS COUNTY PARCEL BOUNDARY
-  GROUNDWATER ELEVATION (4/12/2022) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
-  GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
-  APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

Drawn By: aguse

Checked By: SS

Date: 1/11/2023

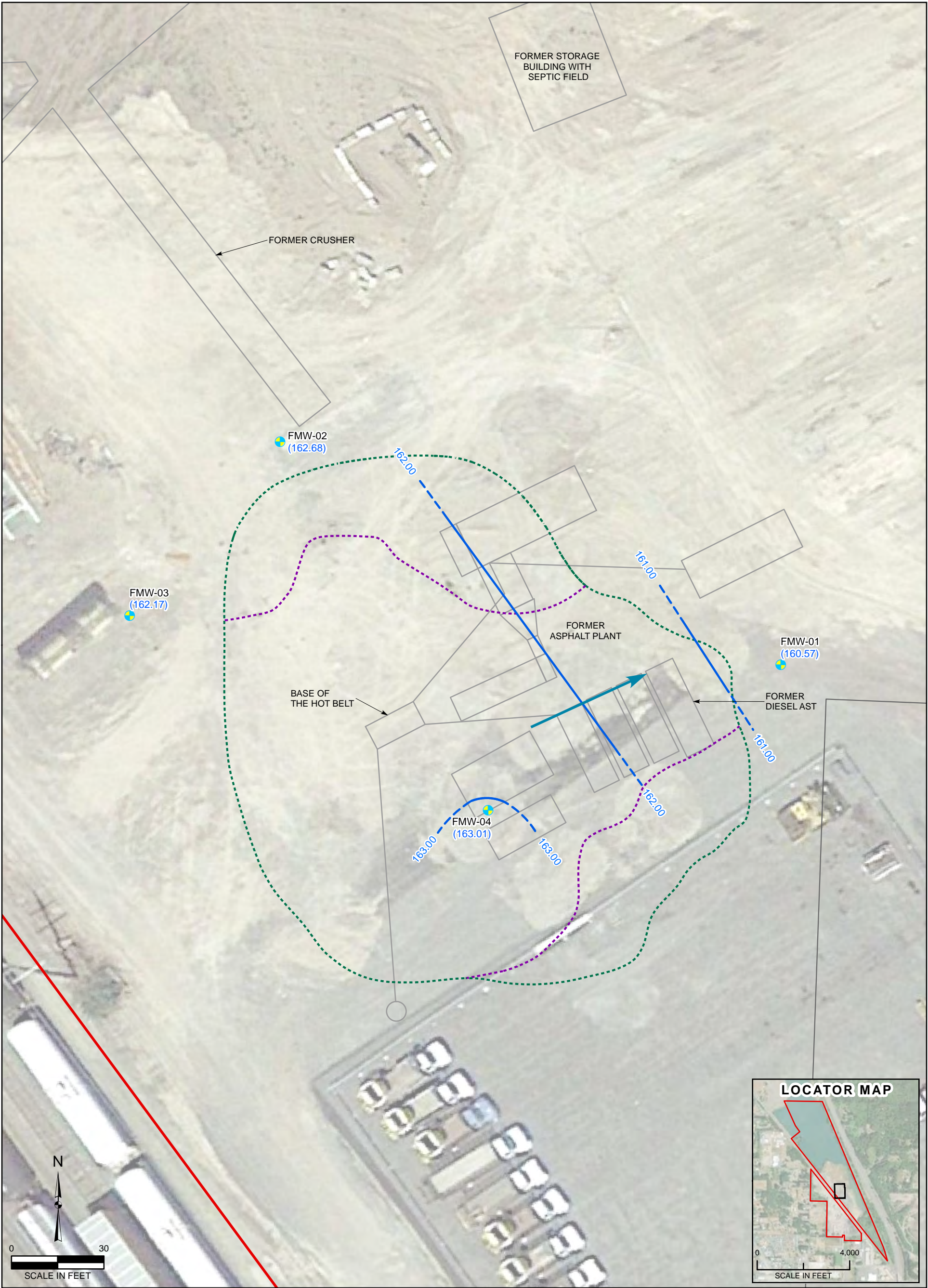
Disc Reference:

FIGURE 7

GROUNDWATER CONTOURS
JANUARY 16, 2020
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

Path: Q:\Projects\525 LakesideIndust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-07_GW_Contours_202001.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY
- GROUNDWATER ELEVATION (4/12/2022) MEASURED IN FEET REFERENCED TO NORTH AMERICAL VERTICAL DATUM OF 1988 (NAVD88)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

Drawn By: aguse

Checked By: SS

Date: 1/10/2023

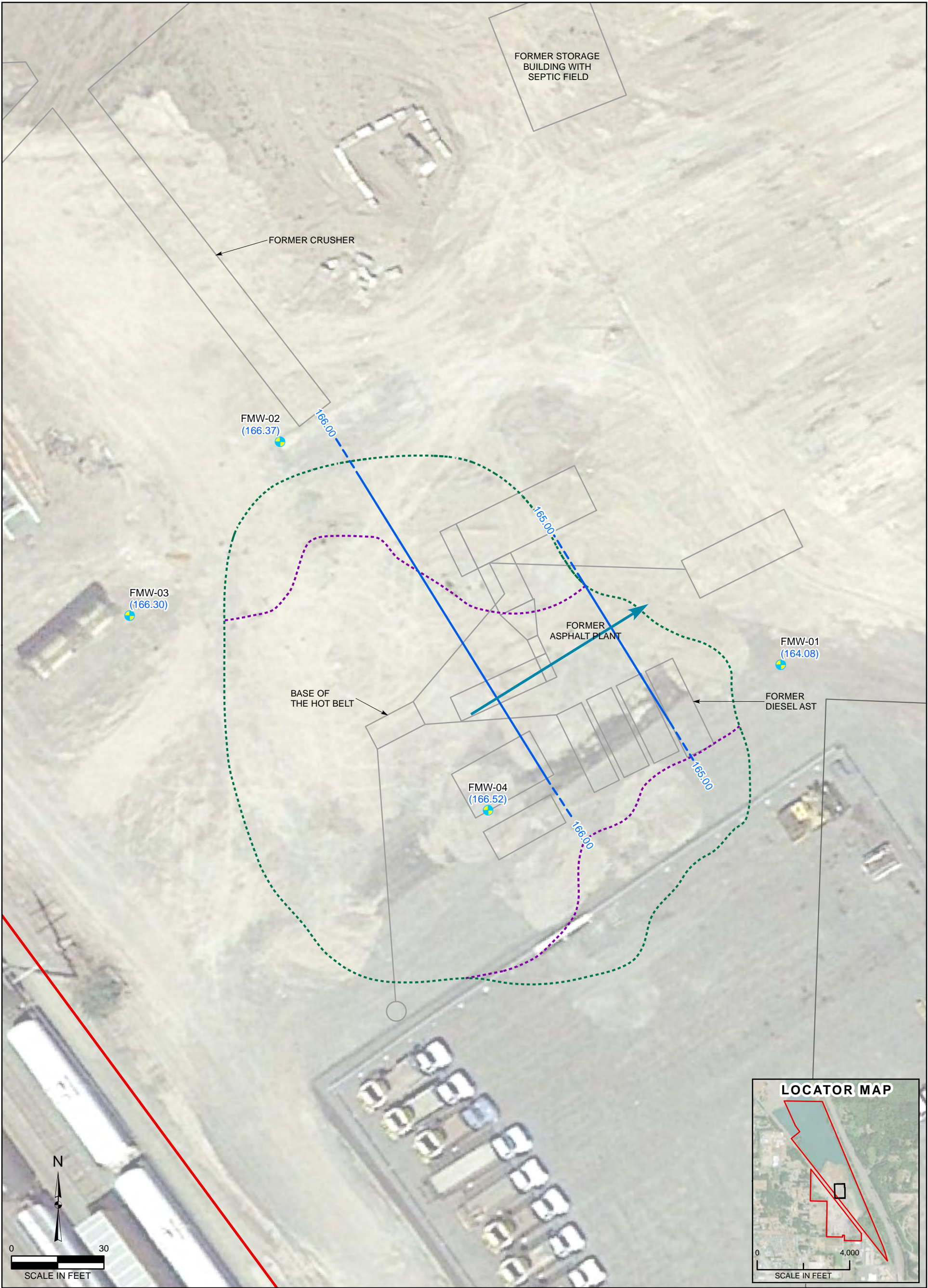
Disc Reference:

FIGURE 8

GROUNDWATER CONTOURS
APRIL 21, 2020
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-08_GW_Contours_202004.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY
- GROUNDWATER ELEVATION (4/12/2022) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 9

GROUNDWATER CONTOURS
APRIL 12, 2022
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

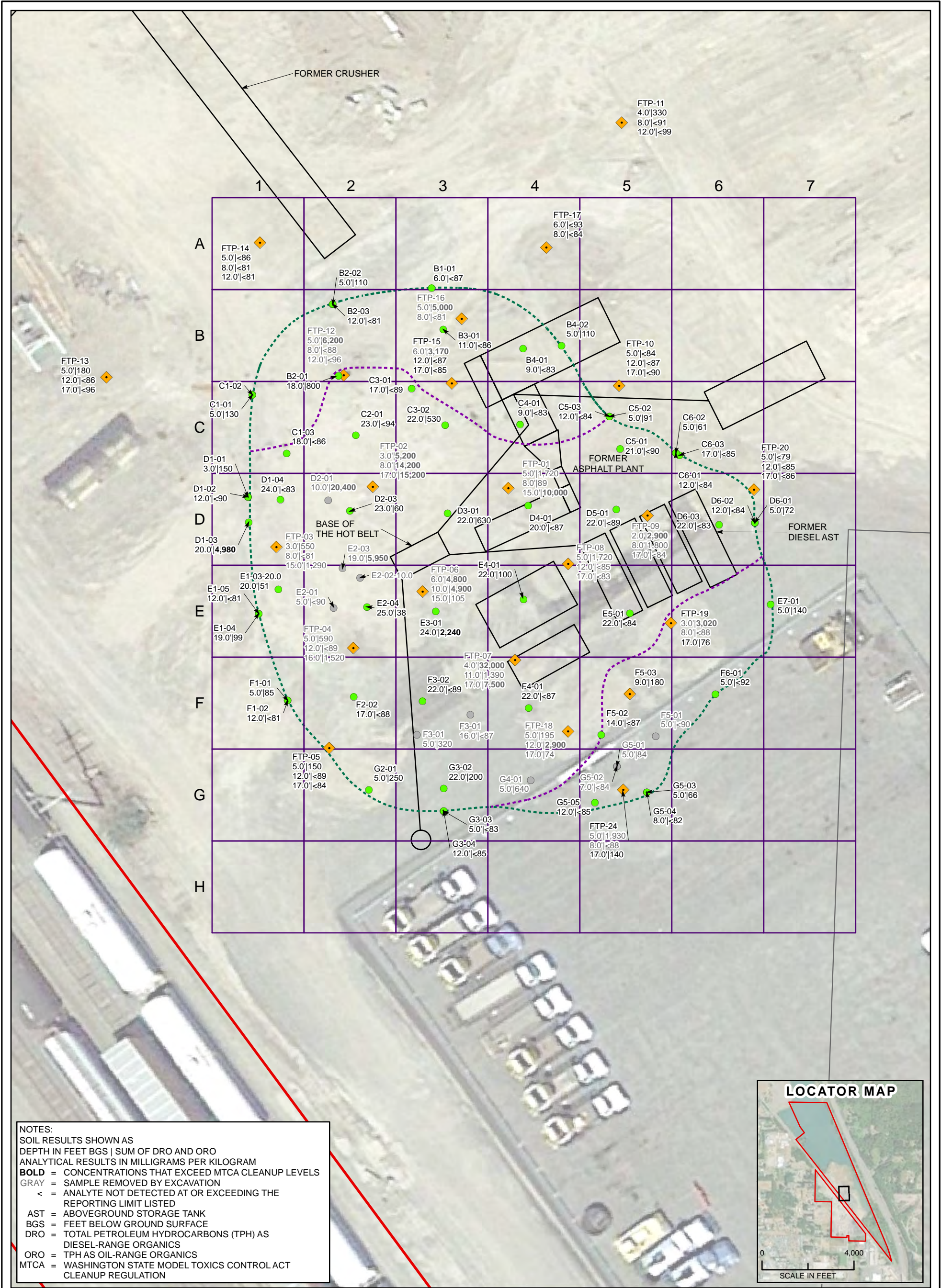
Drawn By: aguse

Checked By: SS

Date: 1/10/2023

Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-09_GW_Contours_202204.mxd



NOTES:
SOIL RESULTS SHOWN AS
DEPTH IN FEET BGS | SUM OF DRO AND ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = CONCENTRATIONS THAT EXCEED MTCA CLEANUP LEVELS
GRAY = SAMPLE REMOVED BY EXCAVATION
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE
REPORTING LIMIT LISTED
AST = ABOVEGROUND STORAGE TANK
BGS = FEET BELOW GROUND SURFACE
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS
DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT
CLEANUP REGULATION

LEGEND

- CONFIRMATION SAMPLE (FARALLON, 2019)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2019)
- TEST PIT (FARALLON, 2018-2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- EXCAVATION GRID
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Drawn By: aguse

Checked By: SS

Date: 1/11/2023

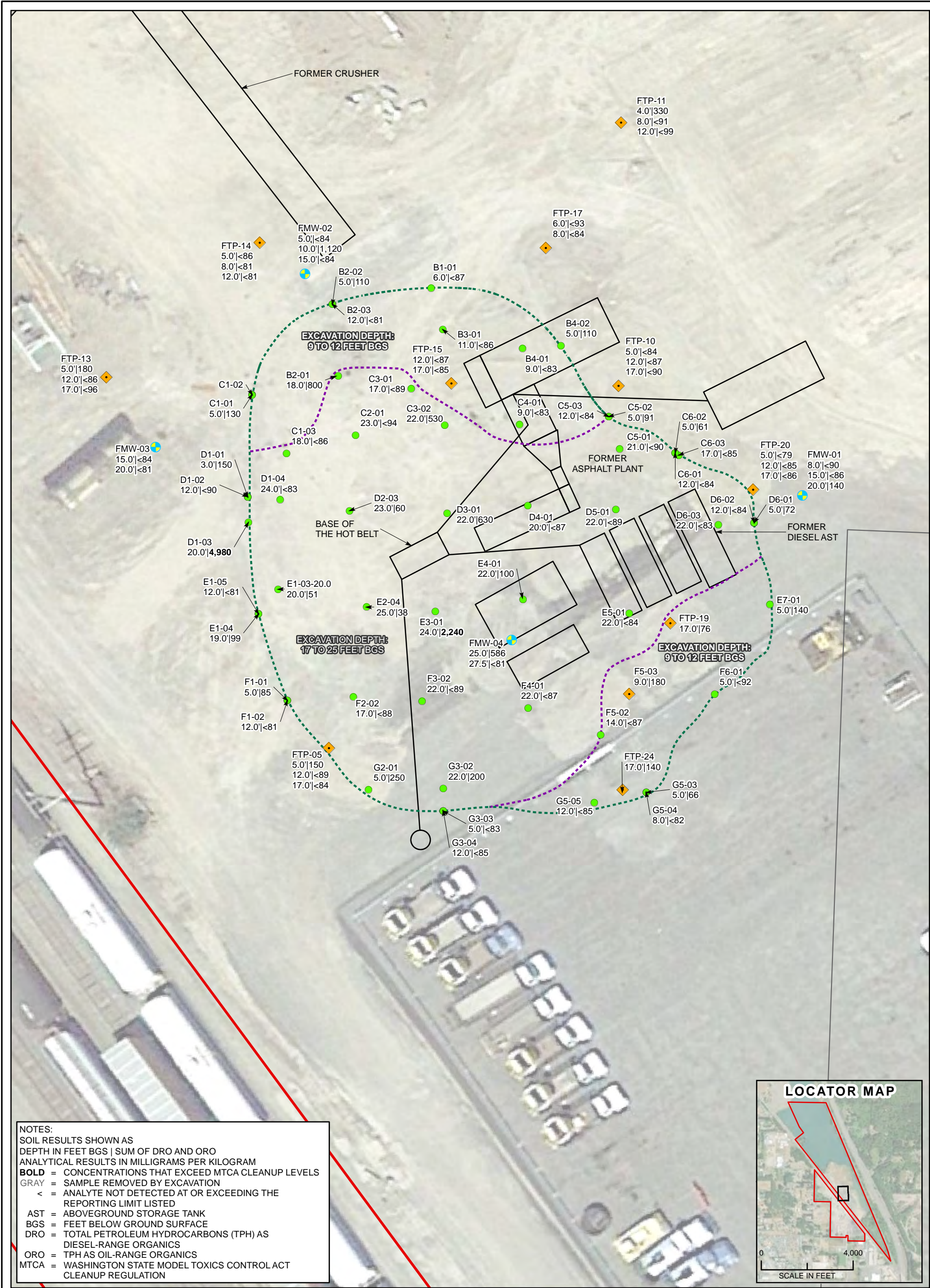
Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-10_Soil_DRO_ORO.mxd

FIGURE 10

PERFORMANCE AND CONFIRMATION SOIL
ANALYTICAL RESULTS FOR DRO AND ORO
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031



NOTES:
SOIL RESULTS SHOWN AS
DEPTH IN FEET BGS | SUM OF DRO AND ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = CONCENTRATIONS THAT EXCEED MTCA CLEANUP LEVELS
GRAY = SAMPLE REMOVED BY EXCAVATION
< = ANALYTE NOT DETECTED AT OR EXCEEDING THE
REPORTING LIMIT LISTED
AST = ABOVEGROUND STORAGE TANK
BGS = FEET BELOW GROUND SURFACE
DRO = TOTAL PETROLEUM HYDROCARBONS (TPH) AS
DIESEL-RANGE ORGANICS
ORO = TPH AS OIL-RANGE ORGANICS
MTCA = WASHINGTON STATE MODEL TOXICS CONTROL ACT
CLEANUP REGULATION

LEGEND

- CONFIRMATION SAMPLE (FARALLON, 2019)
- TEST PIT (FARALLON, 2018-2019)
- MONITORING WELL (FARALLON, 2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.



FARALLON
CONSULTING

Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

FIGURE 11

SOIL ANALYTICAL RESULTS FOR
DRO AND ORO - POST-CLEAUP ACTION
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

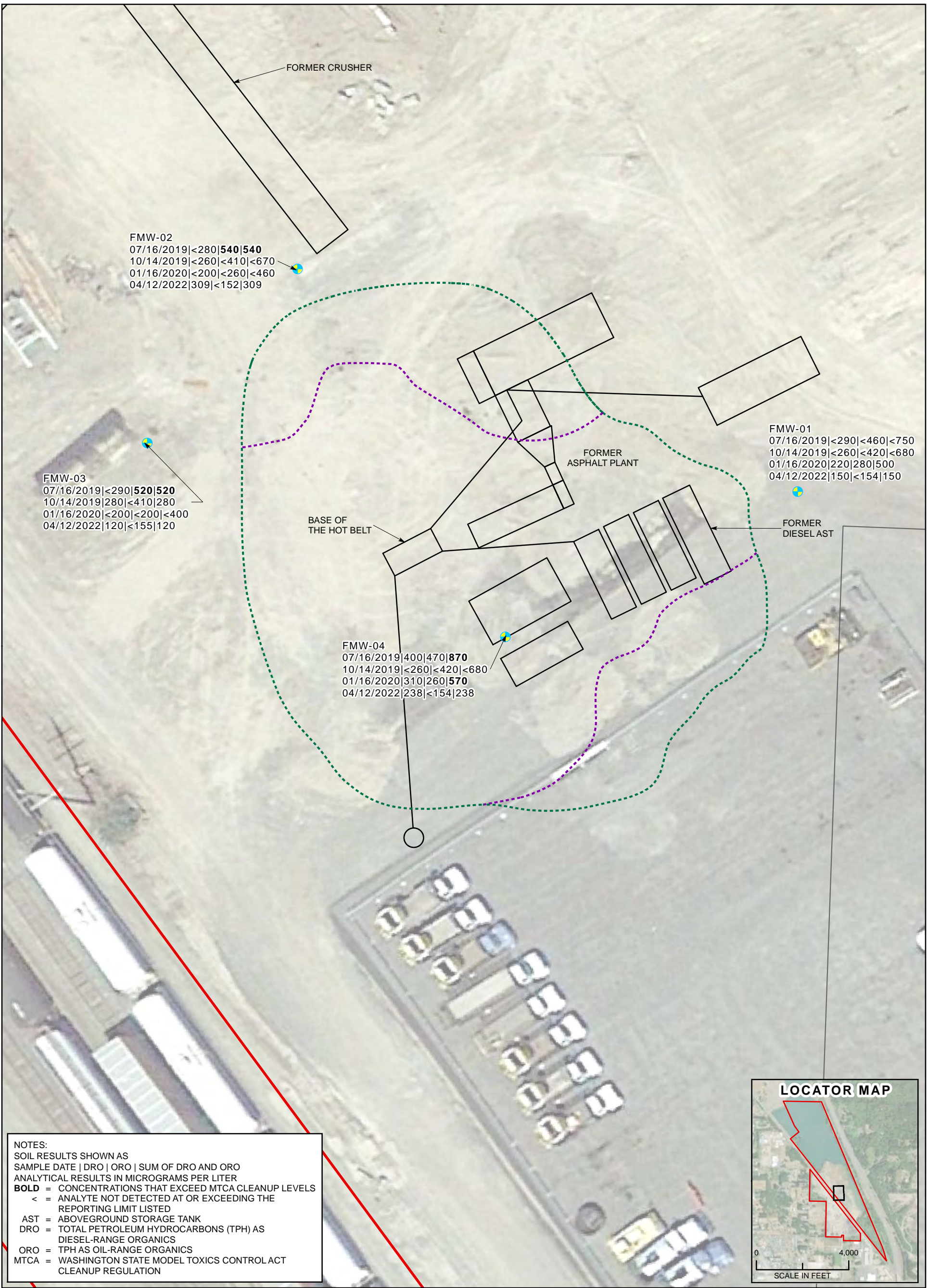
Drawn By: aguse

Checked By: SS

Date: 1/11/2023

Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-11_Soil_DRO_ORO_Post.mxd



LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION BENCHING
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY

0 30
SCALE IN FEET

NOTES:
1. ALL LOCATIONS ARE APPROXIMATE.
2. FIGURES WERE PRODUCED IN COLOR. GRAYSCALE COPIES MAY NOT REPRODUCE ALL ORIGINAL INFORMATION.

FARALLON CONSULTING
Your Challenges. Our Priority. | farallonconsulting.com

Washington
Issaquah | Bellingham | Seattle

Oregon
Portland | Baker City

California
Oakland | Irvine

Drawn By: aguse Checked By: SS Date: 1/10/2023 Disc Reference:

Path: Q:\Projects\525 Lakeside\Indust\031 Centralia Facility\Mapfiles\009_CAR_2022\Figure-12_GW_DRO_ORO.mxd

FIGURE 12

GROUNDWATER ANALYTICAL RESULTS
FOR DRO AND ORO
FORMER ASPHALT BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-031

TABLES

CLEANUP ACTION REPORT

Former Asphalt Batch Plant

2001 Johnson Road

Centralia, Washington

Farallon PN: 0525-031

Table 1
Groundwater Elevations
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Location	Top of Casing Elevation (feet NAVD88) ¹	Monitoring Date	Depth to Water (feet) ²	Water Level Elevation (feet NAVD88) ¹
FMW-01	184.11	7/16/2019	30.34	153.77
		10/14/2019	25.18	158.93
		1/16/2020	20.54	163.57
		4/21/2020	23.54	160.57
		4/12/2022	20.03	164.08
FMW-02	182.62	7/16/2019	28.70	153.92
		10/14/2019	30.69	151.93
		1/16/2020	15.38	167.24
		4/21/2020	19.94	162.68
		4/12/2022	16.25	166.37
FMW-03	182.01	7/16/2019	28.06	153.95
		10/14/2019	29.65	152.36
		1/16/2020	14.85	167.16
		4/21/2020	19.84	162.17
		4/12/2022	15.71	166.30
FMW-04	183.53	7/16/2019	29.74	153.79
		10/14/2019	31.20	152.33
		1/16/2020	16.50	167.03
		4/21/2020	20.52	163.01
		4/12/2022	17.01	166.52

Notes:

¹ In feet above mean sea level.

NS = not surveyed

² In feet below top of well casing.

NAVD88 = North American Vertical Datum of 1988

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Grid Code	Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Status	Analytical Results (milligrams per kilogram)			
						DRO ²	ORO ²	Calculated NWTPH-Dx ³	GRO ⁴
2018 Subsurface Investigation									
D4	FTP-01	FTP-01-5.0	5.0	6/19/2018	Overexcavated	1,400	320 M	1,720	< 37
		FTP-01-8.0	8.0	6/19/2018	Overexcavated	< 31	89	89	---
		FTP-01-15.0	15.0	6/19/2018	Overexcavated	5,900	4,100 M	10,000	< 40
D2	FTP-02	FTP-02-3.0	3.0	6/19/2018	Overexcavated	3,600	1,600 M	5,200	< 33
		FTP-02-8.0	8.0	6/19/2018	Overexcavated	12,000	2,200 M	14,200	< 39
		FTP-02-17.0	17.0	6/19/2018	Overexcavated	13,000	2,200 M	15,200	< 36
D1	FTP-03	FTP-03-3.0	3.0	6/19/2018	Overexcavated	440	110 M	550	---
		FTP-03-8.0	8.0	6/19/2018	Overexcavated	< 27	< 54	< 81	---
		FTP-03-15.0	15.0	6/19/2018	Overexcavated	1,100	190 M	1,290	---
E2	FTP-04	FTP-04-5.0	5.0	6/19/2018	Overexcavated	330	260 M	590	---
		FTP-04-12.0	12.0	6/19/2018	Overexcavated	< 30	< 59	< 89	---
		FTP-04-16.0	16.0	6/19/2018	Overexcavated	1,300	220 M	1,520	---
F2	FTP-05	FTP-05-5.0	5.0	6/19/2018	In-place	< 31	150	150	---
		FTP-05-12.0	12.0	6/19/2018	In-place	< 30	< 59	< 89	---
		FTP-05-17.0	17.0	6/19/2018	In-place	< 28	< 56	< 84	---
E3	FTP-06	FTP-06-6.0	6.0	6/19/2018	Overexcavated	1,800	3,000	4,800	---
		FTP-06-10.0	10.0	6/19/2018	Overexcavated	1,600	3,300	4,900	---
		FTP-06-15.0	15.0	6/19/2018	Overexcavated	45	60	105	---
F4	FTP-07	FTP-07-4.0	4.0	6/19/2018	Overexcavated	21,000	11,000 M	32,000	---
		FTP-07-11.0	11.0	6/19/2018	Overexcavated	1,200	190 M	1,390	---
		FTP-07-17.0	17.0	6/19/2018	Overexcavated	7,000	500 M	7,500	---
D4	FTP-08	FTP-08-5.0	5.0	6/19/2018	Overexcavated	320 N	1,400	1,720	---
		FTP-08-12.0	12.0	6/19/2018	Overexcavated	< 28	< 57	< 85	---
		FTP-08-17.0	17.0	6/19/2018	Overexcavated	< 28	< 55	< 83	---
D5	FTP-09	FTP-09-2.5	2.0	6/19/2018	Overexcavated	1,500	1,400 M	2,900	---
		FTP-09-8.0	8.0	6/19/2018	Overexcavated	1,300	500 M	1,800	---
		FTP-09-17.0	17.0	6/19/2018	Overexcavated	< 28	< 56	< 84	---
C5	FTP-10	FTP-10-5.0	5.0	6/19/2018	In-place	< 28	< 56	< 84	---
		FTP-10-12.0	12.0	6/19/2018	In-place	< 29	< 58	< 87	---
		FTP-10-17.0	17.0	6/19/2018	In-place	< 30	< 60	< 90	---
NA	FTP-11	FTP-11-4.0	4.0	6/19/2018	In-place	< 52	330	330	---
		FTP-11-8.0	8.0	6/19/2018	In-place	< 30	< 61	< 91	---
		FTP-11-12.0	12.0	6/19/2018	In-place	< 33	< 66	< 99	---
B2	FTP-12	FTP-12-5.0	5.0	6/20/2018	Overexcavated	3,100	3,100	6,200	---
		FTP-12-8.0	8.0	6/20/2018	Overexcavated	< 29	< 59	< 88	---
		FTP-12-12.0	12.0	6/20/2018	Overexcavated	< 32	< 64	< 96	---
MTCA Method A Cleanup Levels for Soil ⁵						2,000		2,000	30/100 ⁶

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Grid Code	Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Status	Analytical Results (milligrams per kilogram)			
						DRO ²	ORO ²	Calculated NWTPH-Dx ³	GRO ⁴
NA	FTP-13	FTP-13-5.0	5.0	6/20/2018	In-place	< 29	180	180	---
		FTP-13-12.0	12.0	6/20/2018	In-place	< 29	< 57	< 86	---
		FTP-13-17.0	17.0	6/20/2018	In-place	< 32	< 64	< 96	---
A1	FTP-14	FTP-14-5.0	5.0	6/20/2018	In-place	< 29	< 57	< 86	---
		FTP-14-8.0	8.0	6/20/2018	In-place	< 27	< 54	< 81	---
		FTP-14-12.0	12.0	6/20/2018	In-place	< 27	< 54	< 81	---
C3	FTP-15	FTP-15-6.0	6.0	6/20/2018	Overexcavated	570 N	2,600	3,170	---
		FTP-15-12.0	12.0	6/20/2018	In-place	< 29	< 58	< 87	---
		FTP-15-17.0	17.0	6/20/2018	In-place	< 28	< 57	< 85	---
B3	FTP-16	FTP-16-5.0	5.0	6/20/2018	Overexcavated	1,500 N	3,500	5,000	---
		FTP-16-8.0	8.0	6/20/2018	Overexcavated	< 27	< 54	< 81	---
A4	FTP-17	FTP-17-6.0	6.0	6/20/2018	In-place	< 31	< 62	< 93	---
		FTP-17-8.0	8.0	6/20/2018	In-place	< 28	< 56	< 84	---
F4	FTP-18	FTP-18-5.0	5.0	6/20/2018	Overexcavated	99	96 M	195	---
		FTP-18-12.0	12.0	6/20/2018	Overexcavated	2,900	< 220	2,900	---
		FTP-18-17.0	17.0	6/20/2018	Overexcavated	74	< 55	74	---
E5	FTP-19	FTP-19-3.0	3.0	6/20/2018	Overexcavated	2,300	720 M	3,020	---
		FTP-19-8.0	8.0	6/20/2018	Overexcavated	< 29	< 59	< 88	---
		FTP-19-17.0	17.0	6/20/2018	In-place	< 29	76	76	---
D6	FTP-20	FTP-20-5.0	5.0	6/20/2018	In-place	< 26	< 53	< 79	---
		FTP-20-12.0	12.0	6/20/2018	In-place	< 28	< 57	< 85	---
		FTP-20-17.0	17.0	6/20/2018	In-place	< 29	< 57	< 86	---
G5	FTP-24	FTP-24-5.0	5.0	6/20/2018	Overexcavated	630	1,300	1,930	---
		FTP-24-8.0	8.0	6/20/2018	Overexcavated	< 29	< 59	< 88	---
		FTP-24-17.0	17.0	6/20/2018	In-place	< 28	140	140	---
Soil Excavation Performance and Confirmation Samples									
B1	B1-01	B1-01-6.0	6.0	5/10/2019	In-place	< 29	< 58	< 87	---
B2	B2-01	B2-01-18.0	18.0	5/2/2019	In-place	650	150	800	---
	B2-02	B2-02-5.0	5.0	5/2/2019	In-place	< 28	110	110	---
	B2-03	B2-03-12.0	12.0	5/2/2019	In-place	< 27	< 54	< 81	---
B3	B3-01	B3-01-11.0	11.0	43592.35	In-place	< 29	< 57	< 86	---
B4	B4-01	B4-01-9.0	9.0	5/10/2019	In-place	< 28	< 55	< 83	---
	B4-02	B4-02-5.0	5.0	5/10/2019	In-place	< 31	110	110	---
C1	C1-01	C1-01-5.0	5.0	5/2/2019	In-place	< 31	130	130	---
	C1-03	C1-03-18.0	18.0	5/6/2019	In-place	< 29	< 57	< 86	---
C2	C2-01	C2-01-23.0	23.0	5/7/2019	In-place	< 31	< 63	< 94	---
C3	C3-01	C3-01-17.0	17.0	5/7/2019	In-place	< 30	< 59	< 89	---
	C3-02	C3-02-22.0	22.0	5/7/2019	In-place	370	160 N1	530	---
MTCA Method A Cleanup Levels for Soil ⁵						2,000		2,000	30/100 ⁶

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Grid Code	Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Status	Analytical Results (milligrams per kilogram)			
						DRO ²	ORO ²	Calculated NWTPH-Dx ³	GRO ⁴
C4	C4-01	C4-01-9.0	9.0	5/7/2019	In-place	< 28	< 55	< 83	---
C5	C5-01	C5-01-21.0	21.0	5/8/2019	In-place	< 30	< 60	< 90	---
	C5-02	C5-02-5.0	5.0	5/10/2019	In-place	< 30	91	91	---
	C5-03	C5-03-12.0	12.0	5/10/2019	In-place	< 28	< 56	< 84	---
C6	C6-01	C6-01-12.0	12.0	5/10/2019	In-place	< 28	< 56	< 84	---
	C6-02	C6-02-5.0	5.0	5/10/2019	In-place	< 30	61	61	---
	C6-03	C6-03-17.0	17.0	5/10/2019	In-place	< 28	< 57	< 85	---
D1	D1-01	D1-01-3.0	3.0	5/2/2019	In-place	< 30	150	150	---
	D1-02	D1-02-12.0	12.0	5/2/2019	In-place	< 30	< 60	< 90	---
	D1-03	D1-03-20.0	20.0	5/2/2019	In-place	4,300	680	4,980	---
	D1-04	D1-04-24.0	24.0	5/6/2019	In-place	< 28	< 55	< 83	---
D2	D2-01	D2-01-10.0	10.0	4/29/2019	Overexcavated	15,000	5,400	20,400	---
	D2-03	D2-03-23.0	23.0	5/2/2019	In-place	60	< 54	60	---
D3	D3-01	D3-01-22.0	22.0	5/8/2019	In-place	520	110 N1	630	---
D4	D4-01	D4-01-20.0	20.0	5/7/2019	In-place	< 29	< 58	< 87	---
D5	D5-01	D5-01-22.0	22.0	5/8/2019	In-place	< 30	< 59	< 89	---
D6	D6-01	D6-01-5.0	5.0	5/10/2019	In-place	< 31	72	72	---
	D6-02	D6-02-12.0	12.0	5/10/2019	In-place	< 28	< 56	< 84	---
	D6-03	D6-03-22.0	22.0	5/10/2019	In-place	< 28	< 55	< 83	---
E1	E1-03	E1-03-20.0	20.0	5/1/2019	In-place	51	< 91	51	---
	E1-04	E1-04-19.0	19.0	5/1/2019	In-place	99	< 57	99	---
	E1-05	E1-05-12.0	12.0	5/2/2019	In-place	< 27	< 54	< 81	---
E2	E2-01	E2-01-5.0	5.0	4/29/2019	Overexcavated	< 30	< 60	< 90	---
	E2-03	E2-03-19.0	19.0	4/29/2019	Overexcavated	5,100	850	5,950	---
	E2-04	E2-04-25.0	25.0	5/2/2019	In-place	38	< 56	38	---
E3	E3-01	E3-01-24.0	24.0	5/9/2019	In-place	1,900	340 N1	2,240	---
E4	E4-01	E4-01-22.0	22.0	5/8/2019	In-place	100	< 58	100	---
E5	E5-01	E5-01-22.0	22.0	5/10/2019	In-place	< 28	< 56	< 84	---
E7	E7-01	E7-01-5.0	5.0	5/14/2019	In-place	< 31	140	140	---
F1	F1-01	F1-01-5.0	5.0	5/2/2019	In-place	< 30	85	85	---
	F1-02	F1-02-12.0	12.0	5/2/2019	In-place	< 27	< 54	< 81	---
F2	F2-02	F2-02-17.0	17.0	5/1/2019	In-place	< 29	< 59	< 88	---
F3	F3-01	F3-01-5.0	5.0	4/30/2019	Overexcavated	110	210	320	---
	F3-01	F3-01-16.0	16.0	5/3/2019	Overexcavated	< 29	< 58	< 87	---
	F3-02	F3-02-22.0	22.0	5/9/2019	In-place	< 30	< 59	< 89	---
F4	F4-01	F4-01-22.0	22.0	5/10/2019	In-place	< 29	< 58	< 87	---
MTCA Method A Cleanup Levels for Soil⁵						2,000		2,000	30/100⁶

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Grid Code	Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Status	Analytical Results (milligrams per kilogram)			
						DRO ²	ORO ²	Calculated NWTPH-Dx ³	GRO ⁴
F5	F5-01	F5-01-5.0	5.0	5/6/2019	Overexcavated	< 30	< 60	< 90	---
	F5-02	F5-02-14.0	14.0	5/14/2019	In-place	< 29	< 58	< 87	---
	F5-03	F5-03-9.0	9.0	5/14/2019	In-place	< 28	180	180	---
F6	F6-01	F6-01-5.0	5.0	5/6/2019	In-place	< 31	< 61	< 92	---
G2	G2-01	G2-01-5.0	5.0	5/1/2019	In-place	< 29	250	250	---
G3	G3-02	G3-02-22.0	22.0	5/10/2019	In-place	200	< 56	200	---
	G3-03	G3-03-5.0	5.0	5/10/2019	In-place	< 28	< 55	< 83	---
	G3-04	G3-04-12.0	12.0	5/10/2019	In-place	< 28	< 57	< 85	---
G4	G4-01	G4-01-5.0	5.0	4/30/2019	Overexcavated	120	520	640	---
G5	G5-01	G5-01-5.0	5.0	4/30/2019	Overexcavated	< 30	84	84	---
	G5-02	G5-02-7.0	7.0	4/30/2019	Overexcavated	< 28	< 56	< 84	---
	G5-03	G5-03-5.0	5.0	5/8/2019	In-place	< 29	66	66	---
	G5-04	G5-04-8.0	8.0	5/8/2019	In-place	< 27	< 55	< 82	---
	G5-05	G5-05-12.0	12.0	5/14/2019	In-place	< 28	< 57	< 85	---
2019 Supplemental Subsurface Investigation									
D7	FMW-01	FMW-01-8.0	8.0	7/8/2019	In-place	< 30	< 60	< 90	---
		FMW-01-15.0	15.0	7/8/2019	In-place	< 29	< 57	< 86	---
		FMW-01-20.0	20.0	7/8/2019	In-place	< 28	140	140	---
A2	FMW-02	FMW-02-5.0	5.0	7/8/2019	In-place	< 28	< 56	< 84	---
		FMW-02-10.0	10.0	7/8/2019	In-place	300	820	1,120	---
		FMW-02-15.0	15.0	7/8/2019	In-place	< 28	< 56	< 84	---
NA	FMW-03	FMW-03-15.0	15.0	7/9/2019	In-place	< 28	< 56	< 84	---
		FMW-03-20.0	20.0	7/9/2019	In-place	< 27	< 54	< 81	---
E4	FMW-04	FMW-04-25.0	25.0	7/9/2019	In-place	500	86 N1	586	---
		FMW-04-27.5	27.5	7/9/2019	In-place	< 27	< 54	< 81	---
MTCA Method A Cleanup Levels for Soil ⁵						2,000		2,000	30/100 ⁶

NOTES:

Results in **bold** and highlighted orange denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

— denotes sample not analyzed.

¹Depth in feet below ground surface.

²Analyzed by Northwest Method NWTPH-Dx.

³Sum of DRO and ORO.

⁴Analyzed by Northwest Method NWTPH-Gx.

⁵Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Soil Cleanup Levels for Unrestricted Land Uses, Table 740-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as revised 2013.

⁶Cleanup level is 30 milligrams per kilogram if benzene is detected and 100 milligrams per kilogram if benzene is not detected.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

GRO = TPH as gasoline-range organics

M = hydrocarbons in the diesel-range are impacting the oil result

N = hydrocarbons in the oil-range are impacting the diesel result

NA = not applicable

ORO = TPH as oil-range organics

Table 3
Groundwater Analytical Results for Petroleum Hydrocarbons
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)		
			DRO ¹	ORO ¹	Calculated NWTPH-Dx ²
FMW-01	7/16/2019	FMW-01-071619	< 290	< 460	< 750
	10/14/2019	FMW-1-101419	< 260	< 420	< 680
	1/16/2020	FMW-01-011620	220	280	500
	4/21/2020	FMW-01-042120	165 < 77.7 ⁴	< 155 < 155 ⁴	165 < 233 ⁴
	4/12/2022	FMW-01-041222	150	< 154	150
FMW-02	7/16/2019	FMW-02-071619	< 280	540	540
	10/14/2019	FMW-2-101419	< 260	< 410	< 670
	1/16/2020	FMW-02-011620	< 200	< 260	< 460
	4/21/2020	FMW-02-042120	179 < 77.7 ⁴	< 155 < 155 ⁴	179 < 233 ⁴
	4/12/2022	FMW-02-041222	309	< 152	309
FMW-03	7/16/2019	FMW-03-071619	< 290	520	520
	10/14/2019	FMW-3-101419	280	< 410	280
	1/16/2020	FMW-03-011620	< 200	< 200	< 400
	4/21/2020	FMW-03-042120	159 < 76.9 ⁴	< 154 < 154 ⁴	159 < 231 ⁴
	4/12/2022	FMW-03-041222	120	< 155	120
FMW-04	7/16/2019	FMW-04-071619	400	470	870
	10/14/2019	FMW-4-101419	< 260	< 420	< 680
	1/16/2020	FMW-04-011620	310	260	570
	4/21/2020	FMW-04-042120	451 60.0 ⁴ J	< 155 < 155 ⁴	451 60.0 ⁴
	4/12/2022	FMW-04-041222	238	< 154	238
MTCA Method A Cleanup Levels for Groundwater ³			500		500

NOTES:

Results in **bold** and highlighted orange denote concentrations exceeding applicable cleanup levels.

< denotes analyte not detected at or exceeding the laboratory reporting limit listed.

¹Analyzed by Northwest Method NWTPH-Dx without silica gel cleanup, unless otherwise noted.

²Sum of DRO and ORO.

³Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Method A Cleanup Levels for Groundwater, Table 720-1 of Section 900 of Chapter 173-340 of the Washington Administrative Code, as amended 2013.

⁴Sample analyzed by Northwest Method NWTPH-Dx with silica gel cleanup.

DRO = total petroleum hydrocarbons (TPH) as diesel-range organics

J = result is an estimate

ORO = TPH as oil-range organics

APPENDIX A
TEST PIT AND BORING LOGS

CLEANUP ACTION REPORT
Former Asphalt Batch Plant
2001 Johnson Road
Centralia, Washington

Farallon PN: 0525-031



Log of Boring: FMW-01

Page 1 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/08/19 @ 0925
Date/Time Completed: 07/08/19 @ 1045
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 27.5
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-4.0': Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine to medium sand, brown, moist, no odor. <6" lens of sandy SILT at 2.5' bgs with slight petroleum-like odor.	SP		80					Concrete
		4.0-4.5': Silty SAND (80% sand, 15% silt, 5% gravel), fine to medium sand, fine and coarse gravel, black, no odor.	SM							
5		4.5-5.0': Silty SAND (60% sand, 30% silt, 10% gravel), fine to medium sand, fine and coarse gravel, cobbles present, brown, moist, no odor.	SM							
		5.0-8.0': Sandy SILT (60% silt, 40% sand), fine to coarse sand, trace sand lenses, trace coarse gravel, brown and orange, moist, no odor.	ML		100		0.5	FMW-01-5.0		
		8.0-10.0': No recovery.					0.3	FMW-01-8.0	X	Bentonite
10		10.0-15.0': Silty GRAVEL (70% gravel, 15% sand, 15% silt), coarse gravel, fine to coarse sand, cobbles, brown, moist, wet at 11.0' bgs, no odor.	GM		100					
15										Sand Pack

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-511



Log of Boring: FMW-01

Page 2 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Date/Time Started: 07/08/19 @ 0925
Date/Time Completed: 07/08/19 @ 1045
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 27.5
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Farallon PN: 525-031

Logged By: C. Banfield

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		15.0-19.5': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, medium to coarse sand, cobbles, brown, wet, no odor.	GM		100		0.3	FMW-01-15.0	X	 Screen Sand Pack Water Level
20		19.5-20.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, medium to coarse sand, cobbles, brown, dry, no odor.	GM		100		1.8	FMW-01-20.0	X	
		20.0-25.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, medium to coarse sand, cobbles, brown, moist, wet at 24.5' bgs, no odor. >6" lens of dry at 22.0' and 23.0' bgs.	GM		100					
25		25.0-25.8': Silty GRAVEL with sand (40% gravel, 40% silt, 20% sand), fine and coarse gravel, fine to medium sand, cobbles, light brown, wet, no odor.	GM		100		0.4	FMW-01-25.0		
		25.8-26.0': Poorly graded SAND (90% sand, 10% gravel), fine to medium sand, fine gravel, brown, dry, no odor.	SP							
		26.0-30.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), medium to coarse sand, fine and coarse gravel, cobbles, brown with multi-colored grains, wet, no odor.	SP-SM							
30										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-511



Log of Boring: FMW-01

Page 3 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Date/Time Started: 07/08/19 @ 0925
Date/Time Completed: 07/08/19 @ 1045
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 27.5
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Farallon PN: 525-031

Logged By: C. Banfield

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		30.0-34.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), coarse sand, fine and coarse gravel, cobbles, brown with multi-colored grains, wet, no odor.	SP-SM		100		0.2	FMW-01-30.0		Screen
35		34.0-40.0': Silty SAND with gravel (40% sand, 40% gravel, 20% silt), fine to medium sand, fine and coarse gravel, cobbles, brown/light brown, wet, no odor.	SM		100		0.3	FMW-01-35.0		Bentonite
40							0.3	FMW-01-40.0		
45										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-511



Log of Boring: FMW-02

Page 1 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Date/Time Started: 07/08/19 @ 1325
Date/Time Completed: 07/08/19 @ 1510
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 26.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Farallon PN: 525-031

Logged By: C. Banfield

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.0': Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine sand, fine gravel, gray-brown, dry, no odor.	SP							Concrete
		2.0-4.0': Poorly graded SAND (90% sand, 5% silt, 5% gravel), fine sand, fine gravel, brown with black staining, dry, petroleum-like odor, liquid asphalt.	SP				170	FMW-02-3.0		
		4.0-5.0': Poorly graded SAND with gravel (70% sand, 30% gravel), fine to mediums and, fine and coarse gravel, cobbles, black, dry, no odor.	SP							
5		5.0-7.0': Poorly graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, cobbles, brown, dry, no odor.	SP		80		0.9	FMW-02-5.0	X	
		7.0-7.5': Poorly graded SAND with silt and gravel (60% sand, 30% gravel, 10% silt), fine to medium sand, fine and coarse gravel, cobbles, brown-orange, moist, no odor.	SP-SM							Bentonite
		7.5-8.0': Poorly graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, cobbles, brown-gray, dry, no odor.	SP					FMW-02-10.0		
		8.0-10.0': No recovery.								
10		10.0-11.5': Poorly graded SAND with gravel (70% sand, 30% gravel), fine sand, fine and coarse gravel, large cobbles, brown, dry, no odor.	SP		100		51.0		X	
		11.5-13.0': Silty GRAVEL with sand (60% gravel, 20% silt, 20% sand), fine to coarse sand, fine and coarse gravel, cobbles, brown-orange, moist, no odor.	GM							
		13.0-20.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, medium to coarse sand, large cobbles, brown-tan, moist-wet, no odor, staining.	GM							Sand Pack
15										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-512



Log of Boring: FMW-02

Page 2 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/08/19 @ 1325
Date/Time Completed: 07/08/19 @ 1510
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 26.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
20		20.0-21.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine to coarse gravel, fine to medium sand, cobbles, brown, dry, no odor.	GM		100		0.8	FMW-02-15.0	X	Screen
		21.0-22.5': Poorly graded SAND (95% sand, 5% silt), medium to coarse sand, brown, moist, no odor.	SP		100		0.5	FMW-02-20.0		Sand Pack
25		22.5-26.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine to coarse gravel, medium to coarse sand, large cobbles, brown, moist-wet, no odor.	GM		100		0.1	FMW-02-25.0		Water Level
30		26.0-30.0': Silty SAND with gravel (40% sand, 40% gravel, 20% silt), fine to medium sand, fine and coarse gravel, large cobbles, light brown, wet, no odor.	SM							

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-512



Log of Boring: FMW-02

Page 3 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/08/19 @ 1325
Date/Time Completed: 07/08/19 @ 1510
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 26.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
35		30.0-40.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt) fine and coarse gravel, coarse sand, cobbles, brown, wet, no odor, no staining.	GM		100		0.3	FMW-02-30.0		Screen
40					100		0.2	FMW-02-35.0		Bentonite

Well Construction Information

Monument Type: Stick-up	Filter Pack: Sand	Ground Surface Elevation (ft): NA
Casing Diameter (inches): 2.0	Surface Seal: Concrete	Top of Casing Elevation (ft): NA
Screen Slot Size (inches): 0.010	Annular Seal: Bentonite	Surveyed Location: X: NA Y: NA
Screened Interval (ft bgs): 15.0-35.0	Boring Abandonment: NA	Unique Well ID: BLT-512



Log of Boring: FMW-03

Page 1 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 0807
Date/Time Completed: 07/09/19 @ 0935
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-3.0': Poorly graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine gravel, brown, dry, no odor, fill.	SP		80					Concrete
		3.0-4.0': Poorly graded SAND with gravel (70% sand, 30% gravel), fine to medium sand, fine and coarse gravel, trace cobbles, brown, moist, no odor.	SP							
		4.0-5.0': No recovery.								
5		5.0-9.5': Poorly graded SAND with gravel (65% sand, 30% gravel, 5% silt), fine to medium sand, fine and coarse gravel, cobbles, brown, moist, no odor.	SP		100		0.1	FMW-03-5.0		Bentonite
		9.5-10.0': No recovery.						FMW-03-10.0		
10		10.0-15.0': Well-graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine and coarse gravel, coarse sand, large cobbles, brown with orange and blue staining, moist to wet, no odor.	GW-GM		100		0.2			Sand Pack
15										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-513



Log of Boring: FMW-03

Page 2 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 0807
Date/Time Completed: 07/09/19 @ 0935
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		15.0-20.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, coarse sand, large cobbles, brown with orange and blue staining, moist to wet, no odor.	GM		100		0.3	FMW-03-15.0	X	 Screen Sand Pack Water Level
20		20.0-24.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine to coarse gravel, coarse sand, large cobbles, brown with red staining at 24.0' bgs, moist, no odor.	GM		100		0.2	FMW-03-20.0	X	
		24.0-25.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), medium to coarse sand, fine and coarse gravel, trace cobbles, brown-gray, moist, no odor.	SP-SM							
25		25.0-30.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), coarse sand, fine and coarse gravel, large cobbles, brown, wet, no odor. Lens of silty gravel at 28.0' bgs.	SP-SM		100		0.4	FMW-03-25.0		
30										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-513



Log of Boring: FMW-03

Page 3 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 0807
Date/Time Completed: 07/09/19 @ 0935
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		30.0-31.0': Poorly graded SAND with silt and gravel (50% sand, 40% gravel, 10% silt), coarse sand, fine and coarse gravel, large cobbles, brown, wet, no odor.	SP-SM		100		0.0	FMW-03-30.0		Screen
		31.0-35.0': Silty GRAVEL with sand (60% gravel, 25% sand, 15% silt), fine and coarse gravel, coarse sand, large cobbles, brown, wet, no odor.	GM							
35		35.0-40.0': Silty GRAVEL with sand (60% gravel, 25% sand, 15% silt), fine and coarse gravel, coarse sand, large cobbles, brown, wet, no odor.	GM		100		0.0	FMW-03-35.0		Bentonite
40										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-513



Log of Boring: FMW-04

Page 1 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 1155
Date/Time Completed: 07/09/19 @ 1335
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
0		0.0-2.5': Poorly graded SAND (90% sand, 10% gravel), fine sand, fine and coarse gravel, brown, dry, organic odor.	SP		100					Concrete
		2.5-4.0': Poorly graded SAND (90% sand, 5% gravel, 5% silt), fine ot medium sand, fine gravel, brown, moist to dry, no odor.	SP							
		4.0-5.0': Poorly graded SAND (90% sand, 10% gravel), fine ot medium sand, fine and coarse gravel, grayish brown, dry, slight petroleum-like odor.	SP							
5		5.0-6.0': Poorly graded SAND (90% sand, 10% gravel), fine to medium sand, fine gravel, brown, dry, no odor.	SP		100		13.8	FMW-04-5.0		
		6.0-10.0': Sandy SILT (60% silt, 35% sand, 5% gravel), fine sand, fine and coarse gravel, dark brown, moist, sewage-like odor.	ML				0.4			Bentonite
10		10.0-15.0': Well-graded GRAVEL (95% gravel, 5% sand), fine and coarse gravel, fine to medium sand, brown, dry. (Fill).	GW		100		0.3	FMW-04-10.0		
15										Sand Pack

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-514



Log of Boring: FMW-04

Page 2 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 1155
Date/Time Completed: 07/09/19 @ 1335
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		15.0-19.5': Well-graded GRAVEL (95% gravel, 5% sand), fine and coarse gravel, fine to medium sand, brown, dry. (Fill).	GW		100					
20		19.5-20.0': Well-graded GRAVEL with silt (80% gravel, 10% silt, 10% sand), fine to coarse gravel, coarse sand, blueish gray, moist to wet, petroleum-like odor.	GW-GM		100		4.2	FMW-04-20.0		Screen
		20.0-21.5': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, fine to medium sand, trace cobbles, gray, moist to wet, strong petroleum-like odor.	GM							
		21.5-25.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, fine to medium sand, cobbles, gray, tan and brown, moist to wet, strong petroleum-like odor.	GM							Sand Pack
25		25.0-27.0': Silty GRAVEL with sand (50% gravel, 30% sand, 20% silt), fine and coarse gravel, fine to medium sand, cobbles, brown, wet, petroleum-like odor.	GM		100		27.5	FMW-04-25.0	X	Water Level
		27.0-30.0': Silty GRAVEL with sand (45% gravel, 35% sand, 20% silt), fine to coarse gravel, medium to coarse sand, grayish brown, wet, no odor.	GM				0.5	FMW-04-27.5	X	
30										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-514



Log of Boring: FMW-04

Page 3 of 3

Client: Lakeside Industries
Project: Chehalis Asphalt Plant
Location: Chehalis, WA

Farallon PN: 525-031

Logged By: C. Banfield

Date/Time Started: 07/09/19 @ 1155
Date/Time Completed: 07/09/19 @ 1335
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 10' CB
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.0

Depth (feet bgs.)	Sample Interval	Lithologic Description	USCS	USCS Graphic	% Recovery	Blow Counts 8/8/8	PID (ppm)	Sample ID	Sample Analyzed	Boring/Well Construction Details
		30.0-35.0': Poorly graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), medium to coarse sand, fine and coarse gravel, cobbles, brownish tan, wet, slight petroleum-like odor.	SP-SM		100		0.6	FMW-04-30.0		Screen
35		35.0-37.0': Silty GRAVEL with sand (45% gravel, 35% sand, 20% silt), coarse sand, fine and coarse gravel, tan, wet, slight petroleum-like odor.	GM		100		0.6	FMW-04-35.0		
		37.0-40.0': Poorly graded SAND with silt and gravel (50% sand, 30% gravel, 20% silt), coarse sand, fine and coarse gravel, cobbles, brown, moist, no odor.	SP-SM							Bentonite
40							1.1	FMW-04-40.0		
45										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.0-35.0

Filter Pack: Sand
Surface Seal: Concrete
Annular Seal: Bentonite
Boring Abandonment: NA

Ground Surface Elevation (ft): NA
Top of Casing Elevation (ft): NA
Surveyed Location: X: NA Y: NA
Unique Well ID: BLT-514

APPENDIX B
LABORATORY ANALYTICAL REPORTS

CLEANUP ACTION REPORT
Former Asphalt Batch Plant
2001 Johnson Road
Centralia, Washington

Farallon PN: 0525-031



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 6, 2018

Pete Kingston
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-032
Laboratory Reference No. 1806-214

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on June 21, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 6, 2018
Samples Submitted: June 21, 2018
Laboratory Reference: 1806-214
Project: 525-032

Case Narrative

Samples were collected on June 20, 2018 and received by the laboratory on June 21, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH-Gx Analysis

The MTCA Method A cleanup level of 30.0 ppm for fresh gasoline is not achievable for samples FTP-23-2.0 and FTP-23-8.0 due to the necessary dilution of the samples.

Volatiles EPA 8260C Analysis

Some MTCA Method A cleanup levels are non-achievable for sample FTP-23-8.0 due to the necessary dilution of the sample.

Sodium Bisulfate preservation has been proven to increase the frequency of detection and the concentration of Acetone and 2-Butanone due in part to chemical reactions in the sample. If Acetone is a potential site contaminant, Sodium Bisulfate should not be used.

Total Metals EPA 6010D/7471B Analysis

The duplicate RPD for chromium is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.

Please note that any other QA/QC issues associated with these extractions and analyses will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-4.0					
Laboratory ID:	06-214-01					
Gasoline	ND	7.2	NWTPH-Gx	6-25-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	79	57-129				
Client ID:	FTP-23-2.0					
Laboratory ID:	06-214-07					
Gasoline	ND	35	NWTPH-Gx	6-25-18	6-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	79	57-129				
Client ID:	FTP-23-8.0					
Laboratory ID:	06-214-08					
Gasoline	ND	35	NWTPH-Gx	6-25-18	6-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				
Client ID:	FTP-23-17.0					
Laboratory ID:	06-214-09					
Gasoline	ND	30	NWTPH-Gx	6-25-18	6-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	79	57-129				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0625S2					
Gasoline	ND	5.0	NWTPH-Gx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	81	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-221-14							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				79	77	57-129		



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-4.0					
Laboratory ID:	06-214-01					
Diesel Fuel #2	150	27	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	6-25-18	6-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	104	50-150				

Client ID:	FTP-23-2.0					
Laboratory ID:	06-214-07					
Diesel Fuel #2	1700	27	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	72	NWTPH-Dx	6-25-18	6-25-18	U1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	102	50-150				

Client ID:	FTP-23-8.0					
Laboratory ID:	06-214-08					
Diesel Fuel #2	2800	28	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	210	NWTPH-Dx	6-25-18	6-25-18	U1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	FTP-23-17.0					
Laboratory ID:	06-214-09					
Diesel Fuel #2	240	28	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-25-18	6-25-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0625S2					
Diesel Range Organics	ND	25	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	87	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-214-01							
	ORIG	DUP						
Diesel Fuel #2	142	133	NA	NA	NA	NA	7	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
o-Terphenyl				104	90	50-150		



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-4.0					
Laboratory ID:	06-214-01					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloromethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Acetone	ND	0.059	EPA 8260C	6-22-18	6-22-18	
Iodomethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Carbon Disulfide	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methylene Chloride	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Vinyl Acetate	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Butanone	ND	0.012	EPA 8260C	6-22-18	6-22-18	
Bromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroform	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Benzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Trichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Dibromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Toluene	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-4.0					
Laboratory ID:	06-214-01					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Tetrachloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Hexanone	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Ethylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
m,p-Xylene	ND	0.0024	EPA 8260C	6-22-18	6-22-18	
o-Xylene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Styrene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromoform	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Isopropylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
n-Propylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
tert-Butylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trimethylbenzene	0.0015	0.0012	EPA 8260C	6-22-18	6-22-18	
sec-Butylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
p-Isopropyltoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
n-Butylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Hexachlorobutadiene	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Naphthalene	0.0019	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>118</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>114</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>111</i>	<i>71-132</i>				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-2.0					
Laboratory ID:	06-214-07					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloromethane	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroethane	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Acetone	ND	0.061	EPA 8260C	6-22-18	6-22-18	
Iodomethane	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Carbon Disulfide	0.0084	0.0012	EPA 8260C	6-22-18	6-22-18	
Methylene Chloride	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Vinyl Acetate	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Butanone	ND	0.012	EPA 8260C	6-22-18	6-22-18	
Bromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroform	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Benzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Trichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Dibromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Chloroethyl Vinyl Ether	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl Isobutyl Ketone	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Toluene	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-2.0					
Laboratory ID:	06-214-07					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Tetrachloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Hexanone	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Ethylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
m,p-Xylene	ND	0.0024	EPA 8260C	6-22-18	6-22-18	
o-Xylene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Styrene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromoform	ND	0.0061	EPA 8260C	6-22-18	6-22-18	
Isopropylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,1,2,2-Tetrachloroethane	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichloropropane	ND	0.070	EPA 8260C	6-22-18	6-22-18	
n-Propylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
2-Chlorotoluene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
4-Chlorotoluene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,3,5-Trimethylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
tert-Butylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trimethylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
sec-Butylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,3-Dichlorobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
p-Isopropyltoluene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,4-Dichlorobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,2-Dichlorobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
n-Butylbenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromo-3-chloropropane	ND	0.35	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trichlorobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
Hexachlorobutadiene	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Naphthalene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichlorobenzene	ND	0.070	EPA 8260C	6-22-18	6-22-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>123</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>105</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>101</i>	<i>71-132</i>				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-8.0					
Laboratory ID:	06-214-08					
Dichlorodifluoromethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Chloromethane	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Vinyl Chloride	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Bromomethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Chloroethane	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Trichlorofluoromethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Acetone	ND	3.5	EPA 8260C	6-22-18	6-22-18	
Iodomethane	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Carbon Disulfide	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Methylene Chloride	ND	0.35	EPA 8260C	6-22-18	6-22-18	
(trans) 1,2-Dichloroethene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Methyl t-Butyl Ether	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Vinyl Acetate	ND	0.35	EPA 8260C	6-22-18	6-22-18	
2,2-Dichloropropane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
(cis) 1,2-Dichloroethene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
2-Butanone	ND	0.69	EPA 8260C	6-22-18	6-22-18	
Bromochloromethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Chloroform	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1,1-Trichloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Carbon Tetrachloride	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloropropene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Benzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Trichloroethene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloropropane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Dibromomethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Bromodichloromethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
2-Chloroethyl Vinyl Ether	ND	0.35	EPA 8260C	6-22-18	6-22-18	
(cis) 1,3-Dichloropropene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Methyl Isobutyl Ketone	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Toluene	ND	0.35	EPA 8260C	6-22-18	6-22-18	
(trans) 1,3-Dichloropropene	ND	0.069	EPA 8260C	6-22-18	6-22-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-8.0					
Laboratory ID:	06-214-08					
1,1,2-Trichloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Tetrachloroethene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,3-Dichloropropane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
2-Hexanone	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Dibromochloromethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromoethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Chlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1,1,2-Tetrachloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Ethylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
m,p-Xylene	ND	0.14	EPA 8260C	6-22-18	6-22-18	
o-Xylene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Styrene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Bromoform	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Isopropylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Bromobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,1,2,2-Tetrachloroethane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichloropropane	ND	0.069	EPA 8260C	6-22-18	6-22-18	
n-Propylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
2-Chlorotoluene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
4-Chlorotoluene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,3,5-Trimethylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
tert-Butylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trimethylbenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
sec-Butylbenzene	0.082	0.069	EPA 8260C	6-22-18	6-22-18	
1,3-Dichlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
p-Isopropyltoluene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,4-Dichlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
1,2-Dichlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
n-Butylbenzene	0.24	0.069	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromo-3-chloropropane	ND	0.35	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trichlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Hexachlorobutadiene	ND	0.35	EPA 8260C	6-22-18	6-22-18	
Naphthalene	1.2	0.069	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichlorobenzene	ND	0.069	EPA 8260C	6-22-18	6-22-18	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	112	68-139				
Toluene-d8	108	79-128				
4-Bromofluorobenzene	105	71-132				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-17.0					
Laboratory ID:	06-214-09					
Dichlorodifluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloromethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Vinyl Chloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Trichlorofluoromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Acetone	0.072	0.059	EPA 8260C	6-22-18	6-22-18	
Iodomethane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Carbon Disulfide	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methylene Chloride	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(trans) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl t-Butyl Ether	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Vinyl Acetate	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
2,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
(cis) 1,2-Dichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Butanone	ND	0.012	EPA 8260C	6-22-18	6-22-18	
Bromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chloroform	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Carbon Tetrachloride	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Benzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Trichloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Dibromomethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromodichloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Chloroethyl Vinyl Ether	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(cis) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Methyl Isobutyl Ketone	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Toluene	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
(trans) 1,3-Dichloropropene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES EPA 8260C
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-17.0					
Laboratory ID:	06-214-09					
1,1,2-Trichloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Tetrachloroethene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3-Dichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Hexanone	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Dibromochloromethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromoethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Chlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,1,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Ethylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
m,p-Xylene	ND	0.0024	EPA 8260C	6-22-18	6-22-18	
o-Xylene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Styrene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromoform	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Isopropylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Bromobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,1,2,2-Tetrachloroethane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichloropropane	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
n-Propylbenzene	0.0018	0.0012	EPA 8260C	6-22-18	6-22-18	
2-Chlorotoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
4-Chlorotoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3,5-Trimethylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
tert-Butylbenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trimethylbenzene	0.0059	0.0012	EPA 8260C	6-22-18	6-22-18	
sec-Butylbenzene	0.0028	0.0012	EPA 8260C	6-22-18	6-22-18	
1,3-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
p-Isopropyltoluene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,4-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
n-Butylbenzene	0.0073	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromo-3-chloropropane	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
Hexachlorobutadiene	ND	0.0059	EPA 8260C	6-22-18	6-22-18	
Naphthalene	0.044	0.0012	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichlorobenzene	ND	0.0012	EPA 8260C	6-22-18	6-22-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>114</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>101</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>96</i>	<i>71-132</i>				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 1 of 2

Matrix: Soil
 Units: mg/kg

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID:	MB0622S1					
Dichlorodifluoromethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Chloromethane	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Vinyl Chloride	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Bromomethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Chloroethane	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Trichlorofluoromethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Acetone	ND	0.050	EPA 8260C	6-22-18	6-22-18	
Iodomethane	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Carbon Disulfide	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Methylene Chloride	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
(trans) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Methyl t-Butyl Ether	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Vinyl Acetate	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
2,2-Dichloropropane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
(cis) 1,2-Dichloroethene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
2-Butanone	ND	0.010	EPA 8260C	6-22-18	6-22-18	
Bromochloromethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Chloroform	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1,1-Trichloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Carbon Tetrachloride	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1-Dichloropropene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Benzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Trichloroethene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2-Dichloropropane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Dibromomethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Bromodichloromethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
2-Chloroethyl Vinyl Ether	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
(cis) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Methyl Isobutyl Ketone	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Toluene	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
(trans) 1,3-Dichloropropene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Laboratory ID: MB0622S1						
1,1,2-Trichloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Tetrachloroethene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,3-Dichloropropane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
2-Hexanone	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Dibromochloromethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromoethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Chlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1,1,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Ethylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
m,p-Xylene	ND	0.0020	EPA 8260C	6-22-18	6-22-18	
o-Xylene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Styrene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Bromoform	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Isopropylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Bromobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,1,2,2-Tetrachloroethane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichloropropane	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
n-Propylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
2-Chlorotoluene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
4-Chlorotoluene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,3,5-Trimethylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
tert-Butylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trimethylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
sec-Butylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,3-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
p-Isopropyltoluene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,4-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2-Dichlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
n-Butylbenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2-Dibromo-3-chloropropane	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
1,2,4-Trichlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
Hexachlorobutadiene	ND	0.0050	EPA 8260C	6-22-18	6-22-18	
Naphthalene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
1,2,3-Trichlorobenzene	ND	0.0010	EPA 8260C	6-22-18	6-22-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>110</i>	<i>68-139</i>				
<i>Toluene-d8</i>	<i>108</i>	<i>79-128</i>				
<i>4-Bromofluorobenzene</i>	<i>102</i>	<i>71-132</i>				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES by EPA 8260C
SB/SBD QUALITY CONTROL

Matrix: Soil
 Units: mg/kg

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	Limits		Limit	
SPIKE BLANKS										
Laboratory ID:	SB0622S1									
	SB	SBD	SB	SBD	SB	SBD				
1,1-Dichloroethene	0.0454	0.0441	0.0500	0.0500	91	88	53-141	3	17	
Benzene	0.0482	0.0476	0.0500	0.0500	96	95	70-130	1	15	
Trichloroethene	0.0463	0.0441	0.0500	0.0500	93	88	74-122	5	16	
Toluene	0.0473	0.0462	0.0500	0.0500	95	92	76-130	2	15	
Chlorobenzene	0.0448	0.0442	0.0500	0.0500	90	88	75-120	1	14	
Surrogate:										
Dibromofluoromethane					106	101	68-139			
Toluene-d8					98	98	79-128			
4-Bromofluorobenzene					95	97	71-132			



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

**TOTAL METALS
 EPA 6010D/7471B**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-23-2.0					
Laboratory ID:	06-214-07					
Arsenic	ND	11	EPA 6010D	6-26-18	6-26-18	
Barium	52	2.7	EPA 6010D	6-26-18	6-26-18	
Cadmium	ND	0.55	EPA 6010D	6-26-18	6-26-18	
Chromium	14	0.55	EPA 6010D	6-26-18	6-26-18	
Lead	ND	5.5	EPA 6010D	6-26-18	6-26-18	
Mercury	ND	0.27	EPA 7471B	6-26-18	6-26-18	
Selenium	ND	11	EPA 6010D	6-26-18	6-26-18	
Silver	ND	1.1	EPA 6010D	6-26-18	6-26-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

**TOTAL METALS
 EPA 6010D/7471B
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0626SM1					
Arsenic	ND	10	EPA 6010D	6-26-18	6-26-18	
Barium	ND	2.5	EPA 6010D	6-26-18	6-26-18	
Cadmium	ND	0.50	EPA 6010D	6-26-18	6-26-18	
Chromium	ND	0.50	EPA 6010D	6-26-18	6-26-18	
Lead	ND	5.0	EPA 6010D	6-26-18	6-26-18	
Selenium	ND	10	EPA 6010D	6-26-18	6-26-18	
Silver	ND	1.0	EPA 6010D	6-26-18	6-26-18	

Laboratory ID:	MB0626S1					
Mercury	ND	0.25	EPA 7471B	6-26-18	6-26-18	

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-214-07							
	ORIG	DUP						
Arsenic	ND	ND	NA	NA	NA	NA	20	
Barium	47.1	52.3	NA	NA	NA	NA	10	
Cadmium	ND	ND	NA	NA	NA	NA	20	
Chromium	12.8	21.9	NA	NA	NA	NA	53	K
Lead	ND	ND	NA	NA	NA	NA	20	
Selenium	ND	ND	NA	NA	NA	NA	20	
Silver	ND	ND	NA	NA	NA	NA	20	

Laboratory ID:	06-214-07							
Mercury	ND	ND	NA	NA	NA	NA	20	

MATRIX SPIKES

Laboratory ID:	06-214-07									
	MS	MSD	MS	MSD		MS	MSD			
Arsenic	94.6	97.9	100	100	ND	95	98	75-125	3	20
Barium	156	158	100	100	47.1	109	111	75-125	1	20
Cadmium	51.0	50.8	50.0	50.0	ND	102	102	75-125	0	20
Chromium	123	119	100	100	12.8	110	106	75-125	3	20
Lead	254	255	250	250	ND	101	102	75-125	1	20
Selenium	90.2	90.0	100	100	ND	90	90	75-125	0	20
Silver	20.1	20.4	25.0	25.0	ND	80	82	75-125	2	20

Laboratory ID:	06-214-07									
Mercury	0.512	0.543	0.500	0.500	0.00790	101	107	80-120	6	20



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

pH
EPA 9045D

Matrix: Soil
 Units: pH (@ 25°C)

Analyte	Result	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-4.0				
Laboratory ID:	06-214-01				
pH	8.6	EPA 9045D	6-25-18	6-25-18	
Client ID:	FTP-21-6.0				
Laboratory ID:	06-214-02				
pH	5.7	EPA 9045D	6-25-18	6-25-18	
Client ID:	FTP-22-4.0				
Laboratory ID:	06-214-04				
pH	7.7	EPA 9045D	6-25-18	6-25-18	
Client ID:	FTP-22-12.0				
Laboratory ID:	06-214-05				
pH	5.2	EPA 9045D	6-25-18	6-25-18	
Client ID:	FTP-23-2.0				
Laboratory ID:	06-214-07				
pH	6.7	EPA 9045D	6-25-18	6-25-18	
Client ID:	FTP-23-8.0				
Laboratory ID:	06-214-08				
pH	7.0	EPA 9045D	6-25-18	6-25-18	



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-21-6.0					
Laboratory ID:	06-214-02					
Diesel Range Organics	ND	31	NWTPH-Dx	7-3-18	7-3-18	
Lube Oil Range Organics	110	61	NWTPH-Dx	7-3-18	7-3-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FTP-21-17.0					
Laboratory ID:	06-214-03					
Diesel Range Organics	ND	28	NWTPH-Dx	7-3-18	7-3-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	7-3-18	7-3-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				
Client ID:	FTP-22-4.0					
Laboratory ID:	06-214-04					
Diesel Range Organics	73	27	NWTPH-Dx	7-3-18	7-3-18	N
Lube Oil	600	54	NWTPH-Dx	7-3-18	7-3-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				
Client ID:	FTP-22-12.0					
Laboratory ID:	06-214-05					
Diesel Range Organics	ND	30	NWTPH-Dx	7-3-18	7-3-18	
Lube Oil Range Organics	ND	60	NWTPH-Dx	7-3-18	7-3-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	63	50-150				
Client ID:	FTP-22-17.0					
Laboratory ID:	06-214-06					
Diesel Range Organics	ND	29	NWTPH-Dx	7-3-18	7-3-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	7-3-18	7-3-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				



Date of Report: July 6, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-214
 Project: 525-032

**NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0703S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-3-18	7-3-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-3-18	7-3-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	105	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-003-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				116	98	50-150		



Date of Report: July 6, 2018
Samples Submitted: June 21, 2018
Laboratory Reference: 1806-214
Project: 525-032

% MOISTURE

Date Analyzed: 6-22&7-3-18

Client ID	Lab ID	% Moisture
FTP-21-4.0	06-214-01	8
FTP-21-6.0	06-214-02	18
FTP-21-17.0	06-214-03	11
FTP-22-4.0	06-214-04	7
FTP-22-12.0	06-214-05	17
FTP-22-17.0	06-214-06	14
FTP-23-2.0	06-214-07	9
FTP-23-8.0	06-214-08	10
FTP-23-17.0	06-214-09	12





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664

**Professional
Analytical
Services**

Jul 6 2018
On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister

Dear David Baumeister:

Enclosed please find the analytical data for your 525-032 project.

The following is a cross correlation of client and laboratory identifications for your convenience.

CLIENT ID	MATRIX	AMTEST ID	TEST
FTP-21-4.0	Soil	18-A010774	CONV
FTP-23-2.0	Soil	18-A010775	CONV
FTP-23-8.0	Soil	18-A010776	CONV
FTP-23-17.0	Soil	18-A010777	CONV

Your samples were received on Friday, June 22, 2018. At the time of receipt, the samples were logged in and properly maintained prior to the subsequent analysis.

The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

Following the analytical data you will find the Quality Control (QC) results.

Please note that the detection limits that are listed in the body of the report refer to the Practical Quantitation Limits (PQL's), as opposed to the Method Detection Limits (MDL's).

If you should have any questions pertaining to the data package, please feel free to contact me.

Sincerely,


Aaron W. Young
Laboratory Manager

PO Number: 06-214

BACT = Bacteriological
CONV = Conventional

MET = Metals
ORG = Organics

NUT=Nutrients
DEM=Demand

MIN=Minerals

Am Test Inc.
13600 NE 126TH PL
Suite C
Kirkland, WA 98034
(425) 885-1664
www.amtestlab.com



**Professional
Analytical
Services**

ANALYSIS REPORT

On-Site Environmental
14648 NE 95th ST
Redmond, WA 98052
Attention: David Baumeister
Project Name: 525-032
PO Number: 06-214
All results reported on an as received basis.

Date Received: 06/22/18
Date Reported: 7/ 6/18

AMTEST Identification Number 18-A010774
Client Identification FTP-21-4.0
Sampling Date 06/20/18, 14:00

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Formaldehyde	< 2.5	ug/g		2.5	NIOSH 3500	JH	06/29/18

AMTEST Identification Number 18-A010775
Client Identification FTP-23-2.0
Sampling Date 06/20/18, 16:00

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Formaldehyde	< 2.5	ug/g		2.5	NIOSH 3500	JH	06/29/18

AMTEST Identification Number 18-A010776
Client Identification FTP-23-8.0
Sampling Date 06/20/18, 16:05


Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Formaldehyde	< 2.5	ug/g		2.5	NIOSH 3500	JH	06/29/18

AMTEST Identification Number 18-A010777
Client Identification FTP-23-17.0
Sampling Date 06/20/18, 16:10

Conventionals

PARAMETER	RESULT	UNITS	Q	D.L.	METHOD	ANALYST	DATE
Formaldehyde	< 2.5	ug/g		2.5	NIOSH 3500	JH	06/29/18


Aaron W. Young
Laboratory Manager

Am Test Inc.
13600 NE 126th PL
Suite C
Kirkland, WA, 98034
(425) 885-1664
www.amtestlab.com



**Professional
Analytical
Services**

QC Summary for sample numbers: 18-A010774 to 18-A010777

DUPLICATES

SAMPLE #	ANALYTE	UNITS	SAMPLE VALUE	DUP VALUE	RPD
18-A010777	Formaldehyde	ug/g	< 2.5	< 2.5	

STANDARD REFERENCE MATERIALS

ANALYTE	UNITS	TRUE VALUE	MEASURED VALUE	RECOVERY
Formaldehyde	ug/g	7.40	6.89	93.1 %

BLANKS

ANALYTE	UNITS	RESULT
Formaldehyde	ug/g	< 2.5



Laboratory Reference #: 06-214

Project Manager: David Baumeister

email: dbaumeister@onsite-env.com

Project Number:

Project Name: 525-032

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	Requested Analyses
1074	FTP-21-4.0	6/20/18	1400	S	1	Formaldehyde
75	FTP-23-2.0	6/20/18	1600	S	1	Formaldehyde
76	FTP-23-8.0	6/20/18	1605	S	1	Formaldehyde
77	FTP-23-17.0	6/20/18	1610	S	1	Formaldehyde



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Turnaround Request (in working days)				Laboratory Number: 06-214																															
(Check One)																																			
<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day																																			
<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days																																			
<input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)																																			
<input type="checkbox"/> _____ (other)																																			
Project Manager: P. Kingston																																			
Sampled by: SMR																																			
Lab ID				Sample Identification				Date Sampled				Time Sampled				Matrix				Number of Containers															
1				FTP-21-4.0				6/20/18				1400				So:1				4				NWTPH-HCID											
2				FTP-21-6.0								1405												NWTPH-Gx/BTEX											
3				FTP-21-17.0								1410												NWTPH-Gx											
4				FTP-22-4.0								1430												NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)											
5				FTP-22-12.0								1435												Volatiles 8260C											
6				FTP-22-17.0								1440												Halogenated Volatiles 8260C											
7				FTP-23-2.0								1600												EDB EPA 8011 (Waters Only)											
8				FTP-23-8.0								1605												Semivolatiles 8270D/SIM (with low-level PAHs)											
9				FTP-23-17.0								1610												PAHs 8270D/SIM (low-level)											
																								PCBs 8082A											
																								Organochlorine Pesticides 8081B											
																								Organophosphorus Pesticides 8270D/SIM											
																								Chlorinated Acid Herbicides 8151A											
																								Total RCRA Metals											
																								Total MTCA Metals											
																								TCLP Metals											
																								HEM (oil and grease) 1664A											
																								FORMALDEHYDE											
																								PH											
																								% Moisture											
Relinquished				Signature				Company				Date				Time				Comments/Special Instructions															
Received				Farallon				6/20/18				1330				Held all samples, but will contact w/ selected analysis.																			
Relinquished				QBE				6/21/18				1330				X - Added 6/22/18. DB (STA)																			
Received																(X) Added 6/25/18. DB (STA)																			
Relinquished																Added 7/3/18. DB																			
Received																Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>																			
Reviewed/Date																Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>																			



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 29, 2018

Pete Kingston
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1806-215

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on June 21, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 29, 2018
Samples Submitted: June 21, 2018
Laboratory Reference: 1806-215
Project: 525-031

Case Narrative

Samples were collected on June 20, 2018 and received by the laboratory on June 21, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-12-5.0					
Laboratory ID:	06-215-01					
Diesel Fuel #2	3100	270	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil	3100	540	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-12-8.0					
Laboratory ID:	06-215-02					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				
Client ID:	FTP-12-12.0					
Laboratory ID:	06-215-03					
Diesel Range Organics	ND	32	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	64	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	87	50-150				
Client ID:	FTP-13-5.0					
Laboratory ID:	06-215-04					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	180	58	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	95	50-150				
Client ID:	FTP-13-12.0					
Laboratory ID:	06-215-05					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				
Client ID:	FTP-13-17.0					
Laboratory ID:	06-215-06					
Diesel Range Organics	ND	32	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	64	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	61	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-17-6.0					
Laboratory ID:	06-215-07					
Diesel Range Organics	ND	31	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	62	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	86	50-150				
Client ID:	FTP-17-8.0					
Laboratory ID:	06-215-08					
Diesel Range Organics	ND	28	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	95	50-150				
Client ID:	FTP-16-5.0					
Laboratory ID:	06-215-09					
Diesel Fuel #2	1500	280	NWTPH-Dx	6-26-18	6-26-18	N
Lube Oil	3500	560	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-16-8.0					
Laboratory ID:	06-215-10					
Diesel Range Organics	ND	27	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	87	50-150				
Client ID:	FTP-15-6.0					
Laboratory ID:	06-215-11					
Diesel Range Organics	570	310	NWTPH-Dx	6-26-18	6-27-18	N
Lube Oil	2600	620	NWTPH-Dx	6-26-18	6-27-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-15-12.0					
Laboratory ID:	06-215-12					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	58	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	95	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-15-17.0					
Laboratory ID:	06-215-13					
Diesel Range Organics	ND	28	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				
Client ID:	FTP-14-5.0					
Laboratory ID:	06-215-14					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FTP-14-8.0					
Laboratory ID:	06-215-15					
Diesel Range Organics	ND	27	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				
Client ID:	FTP-14-12.0					
Laboratory ID:	06-215-16					
Diesel Range Organics	ND	27	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				
Client ID:	FTP-18-5.0					
Laboratory ID:	06-215-17					
Diesel Range Organics	99	31	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	96	62	NWTPH-Dx	6-26-18	6-26-18	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				
Client ID:	FTP-18-12.0					
Laboratory ID:	06-215-18					
Diesel Fuel #2	2900	28	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	220	NWTPH-Dx	6-26-18	6-26-18	U1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	111	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-18-17.0					
Laboratory ID:	06-215-19					
Diesel Range Organics	74	27	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	FTP-19-3.0					
Laboratory ID:	06-215-20					
Diesel Fuel #2	2300	130	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	720	270	NWTPH-Dx	6-26-18	6-26-18	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	111	50-150				

Client ID:	FTP-19-8.0					
Laboratory ID:	06-215-21					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	82	50-150				

Client ID:	FTP-19-17.0					
Laboratory ID:	06-215-22					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil	76	58	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	FTP-20-5.0					
Laboratory ID:	06-215-23					
Diesel Range Organics	ND	26	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	53	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	FTP-20-12.0					
Laboratory ID:	06-215-24					
Diesel Range Organics	ND	28	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-20-17.0					
Laboratory ID:	06-215-25					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				
Client ID:	FTP-24-5.0					
Laboratory ID:	06-215-26					
Diesel Range Organics	630	140	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil	1300	280	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	50-150				
Client ID:	FTP-24-8.0					
Laboratory ID:	06-215-27					
Diesel Range Organics	ND	29	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	82	50-150				
Client ID:	FTP-24-17.0					
Laboratory ID:	06-215-28					
Diesel Range Organics	ND	28	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil	140	56	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

NWTPH-Dx QUALITY CONTROL

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0626S1					
Diesel Range Organics	ND	25	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				

Laboratory ID:	MB0626S2					
Diesel Range Organics	ND	25	NWTPH-Dx	6-26-18	6-26-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	92	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-215-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				94	81	50-150		

Laboratory ID:	06-215-16							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				74	90	50-150		

Laboratory ID:	06-215-21							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				82	103	50-150		



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-215
 Project: 525-031

% MOISTURE

Date Analyzed: 6-26-18

Client ID	Lab ID	% Moisture
FTP-12-5.0	06-215-01	8
FTP-12-8.0	06-215-02	15
FTP-12-12.0	06-215-03	21
FTP-13-5.0	06-215-04	14
FTP-13-12.0	06-215-05	13
FTP-13-17.0	06-215-06	21
FTP-17-6.0	06-215-07	19
FTP-17-8.0	06-215-08	11
FTP-16-5.0	06-215-09	10
FTP-16-8.0	06-215-10	8
FTP-15-6.0	06-215-11	19
FTP-15-12.0	06-215-12	13
FTP-15-17.0	06-215-13	12
FTP-14-5.0	06-215-14	13
FTP-14-8.0	06-215-15	8
FTP-14-12.0	06-215-16	8
FTP-18-5.0	06-215-17	19
FTP-18-12.0	06-215-18	9
FTP-18-17.0	06-215-19	8
FTP-19-3.0	06-215-20	7
FTP-19-8.0	06-215-21	15
FTP-19-17.0	06-215-22	13
FTP-20-5.0	06-215-23	5
FTP-20-12.0	06-215-24	12
FTP-20-17.0	06-215-25	13
FTP-24-5.0	06-215-26	10
FTP-24-8.0	06-215-27	15
FTP-24-17.0	06-215-28	11





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 3

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com					
Company: <u>Favallon</u>					
Project Number: <u>525-031</u>					
Project Name:					
Project Manager: <u>P. Kingston</u>					
Sampled by: <u>SMB</u>					
<div style="text-align: right;">(Check One)</div> <div style="display: flex; justify-content: space-between;"><div><input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day</div><div><input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days</div></div> <div><input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)</div> <div><input type="checkbox"/> _____ (other)</div>					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FTP-12-5.0	6/20/18	742	Soil	4
2	FTP-12-8.0		745		
3	FTP-12-12.0		750		
4	FTP-13-5.0		805		
5	FTP-13-12.0		810		
6	FTP-13-17.0		815		
7	FTP-17-6.0		1015		
8	FTP-17-8.0		1018		
9	FTP-16-5.0		1024		
10	FTP-16-8.0		1026		
Relinquished	Signature	Company	Date	Time	Comments/Special Instructions
Received		Favallon	6/20/18	1330	Held all samples, PPA will contact w/ scheduled analyses.
Relinquished		COSTE	6/21/18	1330	X-Added 6/25/18. D8 (S7A)
Received					
Relinquished					
Received					
Reviewed/Date					Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>					



Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: Faraday
Project Number: 585-031
Project Name:
Project Manager: P. Kingston
Sampled by: SMR

Turnaround Request
(in working days)
(Check One)
☐ Same Day ☐ 1 Day
☐ 2 Days ☐ 3 Days
☒ Standard (7 Days)
(TPH analysis 5 Days)

Laboratory Number: **06-215**

Lab ID	Sample Identification
11	FTP-15-6.0
12	FTP-15-12.0
13	FTP-15-17.0
14	FTP-14-5.0
15	FTP-14-8.0
16	FTP-14-12.0
17	FTP-18-5.0
18	FTP-18-12.0
19	FTP-18-17.0
20	FTP-14-3.0

Date Sampled	Time Sampled	Matrix
6-26-18	1035	Soil
	1037	
	1039	
	1054	
	1056	
	1058	
	1205	
	1207	
	1209	
	1211	

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	

Signature	Company
<u>[Signature]</u>	<u>Faraday</u>
<u>[Signature]</u>	<u>CE</u>

Date	Time
6/26/18	1330
6/26/18	1330

Comments/Special Instructions
<u>Hold all samples. PAHs not tested</u>

Relinquished	
Received	
Relinquished	
Received	
Relinquished	
Received	
Reviewed/Date	Reviewed/Date

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 3 of 3

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com									
Company: <u>Facallan</u>									
Project Number: <u>525-031</u>									
Project Name:									
Project Manager: <u>P. Kingston</u>									
Sampled by: <u>SMR</u>									
Turnaround Request (in working days) (Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)									
Date Sampled: <u>6/20/18</u> Time Sampled: <u>12:13</u> Matrix: <u>801</u> Number of Containers: <u>4</u>									
Laboratory Number: 06-215									
NWTPH-HCID									
NWTPH-Gx/BTEX									
NWTPH-Gx									
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)									
Volatiles 8260C									
Halogenated Volatiles 8260C									
EDB EPA 8011 (Waters Only)									
Semivolatiles 8270D/SIM (with low-level PAHs)									
PAHs 8270D/SIM (low-level)									
PCBs 8082A									
Organochlorine Pesticides 8081B									
Organophosphorus Pesticides 8270D/SIM									
Chlorinated Acid Herbicides 8151A									
Total RCRA Metals									
Total MTCA Metals									
TCLP Metals									
HEM (oil and grease) 1664A									
% Moisture									
Lab ID									
Sample Identification									
Date									
Time									
Matrix									
Number of Containers									
Comments/Special Instructions									
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>									
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>									



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

June 29, 2018

Pete Kingston
Farallon Consulting
1809 7th Ave., Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1806-216

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on June 21, 2018.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: June 29, 2018
Samples Submitted: June 21, 2018
Laboratory Reference: 1806-216
Project: 525-031

Case Narrative

Samples were collected on June 19, 2018 and received by the laboratory on June 21, 2018. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

NWTPH Gx Analysis

The MTCA Method A cleanup level of 30.0 ppm for fresh gasoline is not achievable for samples FTP-01-5.0, FTP-01-15.0, FTP-02-3.0, FTP-02-8.0, and FTP-02-17.0 due to the necessary dilution of the samples.

Any other QA/QC issues associated with this extraction and analysis will be indicated with a footnote reference and discussed in detail on the Data Qualifier page.



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Gx

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-01-5.0					
Laboratory ID:	06-216-01					
Gasoline	ND	37	NWTPH-Gx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				
Client ID:	FTP-01-15.0					
Laboratory ID:	06-216-03					
Gasoline	ND	40	NWTPH-Gx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	87	57-129				
Client ID:	FTP-02-3.0					
Laboratory ID:	06-216-05					
Gasoline	ND	33	NWTPH-Gx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	93	57-129				
Client ID:	FTP-02-8.0					
Laboratory ID:	06-216-06					
Gasoline	ND	39	NWTPH-Gx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	88	57-129				
Client ID:	FTP-02-17.0					
Laboratory ID:	06-216-07					
Gasoline	ND	36	NWTPH-Gx	6-26-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Fluorobenzene</i>	86	57-129				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

**NWTPH-Gx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0626S1					
Gasoline	ND	5.0	NWTPH-Gx	6-26-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
Fluorobenzene	81	57-129				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-216-03							
	ORIG	DUP						
Gasoline	ND	ND	NA	NA	NA	NA	NA	30
Surrogate:								
Fluorobenzene				82	89	57-129		



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-01-5.0					
Laboratory ID:	06-216-01					
Diesel Fuel #2	1400	27	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	320	54	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	83	50-150				
Client ID:	FTP-01-8.0					
Laboratory ID:	06-216-02					
Diesel Range Organics	ND	31	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	89	61	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	89	50-150				
Client ID:	FTP-01-15.0					
Laboratory ID:	06-216-03					
Diesel Fuel #2	5900	150	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	4100	300	NWTPH-Dx	6-25-18	6-26-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				
Client ID:	FTP-02-3.0					
Laboratory ID:	06-216-05					
Diesel Fuel #2	3600	140	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	1600	270	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	108	50-150				
Client ID:	FTP-02-8.0					
Laboratory ID:	06-216-06					
Diesel Fuel #2	12000	140	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	2200	280	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	52	50-150				
Client ID:	FTP-02-17.0					
Laboratory ID:	06-216-07					
Diesel Fuel #2	13000	150	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	2200	300	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	78	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-03-3.0					
Laboratory ID:	06-216-08					
Diesel Fuel #2	440	28	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	110	56	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	87	50-150				
Client ID:	FTP-03-8.0					
Laboratory ID:	06-216-09					
Diesel Range Organics	ND	27	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	54	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	86	50-150				
Client ID:	FTP-03-15.0					
Laboratory ID:	06-216-10					
Diesel Fuel #2	1100	30	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	190	60	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	118	50-150				
Client ID:	FTP-04-5.0					
Laboratory ID:	06-216-11					
Diesel Fuel #2	330	28	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	260	57	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	133	50-150				
Client ID:	FTP-04-12.0					
Laboratory ID:	06-216-12					
Diesel Range Organics	ND	30	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	99	50-150				
Client ID:	FTP-04-16.0					
Laboratory ID:	06-216-13					
Diesel Fuel #2	1300	29	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil	220	57	NWTPH-Dx	6-25-18	6-25-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	83	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-05-5.0					
Laboratory ID:	06-216-14					
Diesel Range Organics	ND	31	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	150	62	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				
Client ID:	FTP-05-12.0					
Laboratory ID:	06-216-15					
Diesel Range Organics	ND	30	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	59	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	72	50-150				
Client ID:	FTP-05-17.0					
Laboratory ID:	06-216-16					
Diesel Range Organics	ND	28	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	56	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	77	50-150				
Client ID:	FTP-06-6.0					
Laboratory ID:	06-216-17					
Diesel Range Organics	1800	280	NWTPH-Dx	6-25-18	6-27-18	
Lube Oil Range Organics	3000	560	NWTPH-Dx	6-25-18	6-27-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-06-10.0					
Laboratory ID:	06-216-18					
Diesel Range Organics	1600	290	NWTPH-Dx	6-25-18	6-27-18	
Lube Oil Range Organics	3300	580	NWTPH-Dx	6-25-18	6-27-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-06-15.0					
Laboratory ID:	06-216-19					
Diesel Fuel #2	45	29	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	60	58	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	95	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-07-4.0					
Laboratory ID:	06-216-20					
Diesel Fuel #2	21000	330	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil	11000	650	NWTPH-Dx	6-25-18	6-26-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	---	50-150				S
Client ID:	FTP-07-11.0					
Laboratory ID:	06-216-21					
Diesel Fuel #2	1200	27	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil	190	55	NWTPH-Dx	6-25-18	6-26-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	93	50-150				
Client ID:	FTP-07-17.0					
Laboratory ID:	06-216-22					
Diesel Fuel #2	7000	140	NWTPH-Dx	6-25-18	6-27-18	
Lube Oil Range Organics	500	280	NWTPH-Dx	6-25-18	6-27-18	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	115	50-150				
Client ID:	FTP-08-5.0					
Laboratory ID:	06-216-23					
Diesel Range Organics	320	140	NWTPH-Dx	6-25-18	6-26-18	N
Lube Oil Range Organics	1400	280	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	110	50-150				
Client ID:	FTP-08-12.0					
Laboratory ID:	06-216-24					
Diesel Range Organics	ND	28	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	57	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	79	50-150				
Client ID:	FTP-08-17.0					
Laboratory ID:	06-216-25					
Diesel Range Organics	ND	28	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	55	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-09-2.5					
Laboratory ID:	06-216-26					
Diesel Range Organics	1500	58	NWTPH-Dx	6-25-18	6-26-18	N1
Lube Oil Range Organics	1400	120	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	74	50-150				

Client ID:	FTP-09-8.0					
Laboratory ID:	06-216-27					
Diesel Range Organics	1300	28	NWTPH-Dx	6-25-18	6-26-18	N1
Lube Oil Range Organics	500	55	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	89	50-150				

Client ID:	FTP-09-17.0				
Laboratory ID:	06-216-29				
Diesel Range Organics	ND	28	NWTPH-Dx	6-25-18	6-26-18
Lube Oil Range Organics	ND	56	NWTPH-Dx	6-25-18	6-26-18
Surrogate:	Percent Recovery	Control Limits			
o-Terphenyl	79	50-150			

Client ID:	FTP-10-5.0				
Laboratory ID:	06-216-30				
Diesel Range Organics	ND	28	NWTPH-Dx	6-25-18	6-26-18
Lube Oil Range Organics	ND	56	NWTPH-Dx	6-25-18	6-26-18
Surrogate:	Percent Recovery	Control Limits			
o-Terphenyl	88	50-150			

Client ID:	FTP-10-12.0				
Laboratory ID:	06-216-31				
Diesel Range Organics	ND	29	NWTPH-Dx	6-25-18	6-26-18
Lube Oil Range Organics	ND	58	NWTPH-Dx	6-25-18	6-26-18
Surrogate:	Percent Recovery	Control Limits			
o-Terphenyl	75	50-150			

Client ID:	FTP-10-17.0				
Laboratory ID:	06-216-32				
Diesel Range Organics	ND	30	NWTPH-Dx	6-25-18	6-26-18
Lube Oil Range Organics	ND	60	NWTPH-Dx	6-25-18	6-26-18
Surrogate:	Percent Recovery	Control Limits			
o-Terphenyl	68	50-150			



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-11-4.0					
Laboratory ID:	06-216-33					
Diesel Range Organics	ND	52	NWTPH-Dx	6-25-18	6-26-18	U1
Lube Oil Range Organics	330	65	NWTPH-Dx	6-25-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	80	50-150				
Client ID:	FTP-11-8.0					
Laboratory ID:	06-216-34					
Diesel Range Organics	ND	30	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	61	NWTPH-Dx	6-25-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				
Client ID:	FTP-11-12.0					
Laboratory ID:	06-216-35					
Diesel Range Organics	ND	33	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	66	NWTPH-Dx	6-25-18	6-26-18	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	70	50-150				



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

**NWTPH-Dx
QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0625S2					
Diesel Range Organics	ND	25	NWTPH-Dx	6-25-18	6-25-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-25-18	6-25-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	87	50-150				

Laboratory ID:	MB0625S3					
Diesel Range Organics	ND	25	NWTPH-Dx	6-25-18	6-26-18	
Lube Oil Range Organics	ND	50	NWTPH-Dx	6-25-18	6-26-18	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	06-214-01							
	ORIG	DUP						
Diesel Fuel #2	142	133	NA	NA	NA	NA	7	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
<i>o</i> -Terphenyl				104	90	50-150		

Laboratory ID:	06-216-11							
	ORIG	DUP						
Diesel Fuel #2	292	228	NA	NA	NA	NA	25	NA
Lube Oil Range Organics	232	190	NA	NA	NA	NA	20	NA
Surrogate:								
<i>o</i> -Terphenyl				133	112	50-150		

Laboratory ID:	06-216-21							
	ORIG	DUP						
Diesel Fuel #2	1100	898	NA	NA	NA	NA	20	NA
Lube Oil	171	117	NA	NA	NA	NA	38	NA
Surrogate:								
<i>o</i> -Terphenyl				93	81	50-150		

Laboratory ID:	06-216-27							
	ORIG	DUP						
Diesel Range Organics	1170	1070	NA	NA	NA	NA	9	NA
Lube Oil Range Organics	454	408	NA	NA	NA	NA	11	NA
Surrogate:								
<i>o</i> -Terphenyl				89	87	50-150		



Date of Report: June 29, 2018
 Samples Submitted: June 21, 2018
 Laboratory Reference: 1806-216
 Project: 525-031

% MOISTURE

Date Analyzed: 6-25-18

Client ID	Lab ID	% Moisture
FTP-01-5.0	06-216-01	8
FTP-01-8.0	06-216-02	18
FTP-011-5.0	06-216-03	16
FTP-02-3.0	06-216-05	8
FTP-02-8.0	06-216-06	12
FTP-02-17.0	06-216-07	15
FTP-03-3.0	06-216-08	11
FTP-03-8.0	06-216-09	8
FTP-03-15.0	06-216-10	16
FTP-04-5.0	06-216-11	12
FTP-04-12.0	06-216-12	16
FTP-04-16.0	06-216-13	13
FTP-05-5.0	06-216-14	19
FTP-05-12.0	06-216-15	15
FTP-05-17.0	06-216-16	11
FTP-06-6.0	06-216-17	10
FTP-06-10.0	06-216-18	13
FTP-06-15.0	06-216-19	13
FTP-07-4.0	06-216-20	23
FTP-07-11.0	06-216-21	8
FTP-07-17.0	06-216-22	11
FTP-08-5.0	06-216-23	10
FTP-08-12.0	06-216-24	12
FTP-08-17.0	06-216-25	10
FTP-09-2.5	06-216-26	14
FTP-09-8.0	06-216-27	9
FTP-09-17.0	06-216-29	11



Date of Report: June 29, 2018
Samples Submitted: June 21, 2018
Laboratory Reference: 1806-216
Project: 525-031

% MOISTURE

Date Analyzed: 6-25-18

Client ID	Lab ID	% Moisture
FTP-10-5.0	06-216-30	10
FTP-10-12.0	06-216-31	14
FTP-10-17.0	06-216-32	17
FTP-11-4.0	06-216-33	24
FTP-11-8.0	06-216-34	18
FTP-11-12.0	06-216-35	24





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 2 of 4

Company: <u>Facallon</u>						Turnaround Request (in working days)								Laboratory Number: 06-216																									
Project Number: <u>525-031</u>						(Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input checked="" type="checkbox"/> Standard (7 Days) (If PH analysis 5 Days)																																	
Project Manager: <u>P. Kingston</u>						<input type="checkbox"/> _____ (other) _____																																	
Sampled by: <u>SMB</u>																																							
Lab ID						Sample Identification						Date Sampled						Time Sampled						Matrix						Number of Containers									
11						FTP-04-5.0						6/9/18						1030						Soil						NWTPH-HCID									
12						FTP-04-12.0												1038												NWTPH-Gx/BTEX									
13						FTP-04-16.0												1045												NWTPH-Gx									
14						FTP-05-5.0												1105												NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)									
15						FTP-05-12.0												1115												Volatiles 8260C									
16						FTP-05-17.0												1125												Halogenated Volatiles 8260C									
17						FTP-06-6.0												1135												EDB EPA 8011 (Waters Only)									
18						FTP-06-10.0												1138												Semivolatiles 8270D/SIM (with low-level PAHs)									
19						FTP-06-15.0												1150												PAHs 8270D/SIM (low-level)									
20						FTP-07-4.0												1315												PCBs 8082A									
						Signature						Company						Date						Time						Comments/Special Instructions									
Relinquished						<u>[Signature]</u>						Facallon						6/9/18						1330						Hold all samples, PM will contact selected analysts									
Received						<u>[Signature]</u>						QSE						6/21/18						1330															
Relinquished																																							
Received																																							
Relinquished																																							
Received																																							
Reviewed/Date																														Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>									
																														Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>									



Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: <u>Farallon</u>		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day																					
Project Number: <u>525-031</u>		<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days																					
Project Name:		<input checked="" type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)																					
Project Manager: <u>P. Kingston</u>		<input type="checkbox"/> (other) _____																					
Sampled by: <u>SMR</u>																							
Turnaround Request (in working days) (Check One)		Laboratory Number: 06-216																					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Gx	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	Volatiles 8260C	Halogenated Volatiles 8260C	EDB EPA 8011 (Waters Only)	Semivolatiles 8270D/SIM (with low-level PAHs)	PAHs 8270D/SIM (low-level)	PCBs 8082A	Organochlorine Pesticides 8081B	Organophosphorus Pesticides 8270D/SIM	Chlorinated Acid Herbicides 8151A	Total RCRA Metals	Total MTCA Metals	TCLP Metals	HEM (oil and grease) 1664A	% Moisture
21	FTP-07-11.0	6/19/18	1330	Soil	4			X															X
22	FTP-07-14.0		1330					X															X
23	FTP-08-5.0		1345					X															X
24	FTP-08-12.0		1400					X															X
25	FTP-08-17.0		1410					X															X
26	FTP-09-2.5		1420					X															X
27	FTP-09-8.0		1423					X															X
28	FTP-09-12.0		1428																				
29	FTP-09-17.0		1430					X															X
30	FTP-10-5.0		1445					X															X
Signature		Company		Date	Time	Comments/Special Instructions																	
		Farallon		6/19/18	1330	Hold all samples, PM will contact w/ selected analysis																	
		OSR		6/21/18	1330																		
Relinquished																							
Received																							
Relinquished						Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>																	
Received																							
Relinquished																							
Received																							
Reviewed/Date		Reviewed/Date		Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>																			



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 4 of 4

CIVIL-ENGINEERING INC. Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com					
Company: <i>Facallon</i>		Turnaround Request (in working days)			
Project Number: <i>525-031</i>		(Check One) <input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input checked="" type="checkbox"/> Standard (7 Days) (PPH analysis 5 Days)			
Project Manager: <i>P. Kingston</i>		<input type="checkbox"/> _____ (other)			
Sampled by: <i>SMB</i>					
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
31	<i>ETP-ID-12.0</i>	<i>6/19/18</i>	<i>1419</i>	<i>Soil</i>	<i>4</i>
32	<i>ETP-ID-17.0</i>		<i>1455</i>		
33	<i>ETP-ID-4.0</i>		<i>1515</i>		
34	<i>ETP-ID-8.0</i>		<i>1518</i>		
35	<i>ETP-ID-12.0</i>		<i>1520</i>		
<i>[Handwritten signature across rows 31-35]</i>					
Signature		Company		Date	Time
<i>[Signature]</i>		<i>Facallon</i>		<i>6/19/18</i>	<i>1330</i>
Relinquished				<i>6/21/18</i>	<i>1330</i>
Received					
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date					
Laboratory Number: 06-216					
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>					
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>					
Comments/Special Instructions <i>hold all samples, PM will contact w/ selected analysis</i>					
% Moisture					



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

April 24, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1904-168

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on April 16, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: April 24, 2019
Samples Submitted: April 16, 2019
Laboratory Reference: 1904-168
Project: 525-031

Case Narrative

Samples were collected on April 15, 2019 and received by the laboratory on April 16, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: April 24, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-168
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FTP-5,7,9-Waste Comp.					
Laboratory ID:	04-168-01,02,03 Comp.					
Diesel Range Organics	2200	280	NWTPH-Dx	4-22-19	4-23-19	
Lube Oil	3100	570	NWTPH-Dx	4-22-19	4-23-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				S



Date of Report: April 24, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-168
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0422S3					
Diesel Range Organics	ND	25	NWTPH-Dx	4-22-19	4-22-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-22-19	4-22-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	100	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	04-200-15									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						102	91	50-150		



Date of Report: April 24, 2019
Samples Submitted: April 16, 2019
Laboratory Reference: 1904-168
Project: 525-031

% MOISTURE

Date Analyzed: 4-22-19

Client ID	Lab ID	% Moisture
FTP-5,7,9-Waste Comp.	04-168-01,02,03 Comp.	12





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





ANALYTICAL LABORATORY TESTING SERVICES
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

ANALYTICAL LABORATORY TESTING SERVICES

Analytical Laboratory Testing Services
1464S NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☒ 1 Day

☐ 2 Days ☒ 3 Days

☐ Standard (7 Days)

Project Manager:

P. Kingston

Sampled by:

SMB

☐
(other)

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

Number of Containers

NWTPH-HCID

NWTPH-Gx/BTEX

NWTPH-Gx

NWTPH-Dx (☐ Acid / SG Clean-up)

Volatiles 8260C

Halogenated Volatiles 8260C

EDB EPA 8011 (Waters Only)

Semivolatiles 8270D/SIM

(with low-level PAHs)
PAHs 8270D/SIM (low-level)

PCBs 8082A

Organochlorine Pesticides 8081B

Organophosphorus Pesticides 8270D/SIM

Chlorinated Acid Herbicides 8151A

Total RCRA Metals

Total MTCA Metals

TCLP Metals

HEM (oil and grease) 1664A

% Moisture

Laboratory Number:

04-168

Company:

Farallen

Project Number:

585-031

Project Name:

Signature

Company

Date

Time

Comments/Special Instructions

Relinquished

Farallen

4/16/19

0805

PL will contact w/setbacks analysis added 4/19/19. DB (3 day TAT) composite.

Received

COSI Inc

Relinquished

Received

Relinquished

Reviewed/Date

Reviewed/Date

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐



**OnSite
Environmental Inc.**

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 1, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1904-324

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on April 30, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 1, 2019
Samples Submitted: April 30, 2019
Laboratory Reference: 1904-324
Project: 525-031

Case Narrative

Samples were collected on April 29, 2019 and received by the laboratory on April 30, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 1, 2019
 Samples Submitted: April 30, 2019
 Laboratory Reference: 1904-324
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E2-01-5.0					
Laboratory ID:	04-324-01					
Diesel Range Organics	ND	30	NWTPH-Dx	4-30-19	4-30-19	
Lube Oil Range Organics	ND	60	NWTPH-Dx	4-30-19	4-30-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	58	50-150				
Client ID:	E2-03-19.0					
Laboratory ID:	04-324-03					
Diesel Fuel #2	5100	28	NWTPH-Dx	4-30-19	4-30-19	
Lube Oil	850	56	NWTPH-Dx	4-30-19	4-30-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	112	50-150				
Client ID:	D2-01-10.0					
Laboratory ID:	04-324-05					
Diesel Fuel #2	15000	290	NWTPH-Dx	4-30-19	5-1-19	
Lube Oil	5400	580	NWTPH-Dx	4-30-19	5-1-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	---	50-150				S



Date of Report: May 1, 2019
 Samples Submitted: April 30, 2019
 Laboratory Reference: 1904-324
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0430S1					
Diesel Range Organics	ND	25	NWTPH-Dx	4-30-19	4-30-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-30-19	4-30-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	82	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-311-04							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				80	72	50-150		



Date of Report: May 1, 2019
Samples Submitted: April 30, 2019
Laboratory Reference: 1904-324
Project: 525-031

% MOISTURE

Date Analyzed: 4-30-19

Client ID	Lab ID	% Moisture
E2-01-5.0	04-324-01	17
E2-03-19.0	04-324-03	10
D2-01-10.0	04-324-05	14





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





**Onsite
Environmental Inc.**

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Company: <u>Farallon</u>		Turnaround Request (in working days)		Laboratory Number: 04-324													
Project Number: <u>525-031</u>		<input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day															
Project Name: <u>Lakeside Centralia</u>		<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days															
Project Manager: <u>Pete Kingston</u>		<input type="checkbox"/> Standard (7 Days)															
Sampled by: <u>Y. Pelham</u>		<input type="checkbox"/> (other) _____															
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	<u>E2-501-5.0</u>	<u>4/29/19</u>	<u>0720</u>	<u>S</u>	<u>1</u>												
2	<u>E2-102-10.0</u>		<u>0825</u>		<u>5</u>												
3	<u>E2-503-14.0</u>		<u>0950</u>		<u>1</u>												
4	<u>E2-504-12.0</u>		<u>0955</u>		<u>1</u>												
5	<u>D2-101-10.0</u>		<u>1055</u>		<u>1</u>												
					NWTPH-HCID												
					NWTPH-Gx/BTEX												
					NWTPH-Gx												
					NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)												
					Volatiles 8260C												
					Halogenated Volatiles 8260C												
					EDB EPA 8011 (Waters Only)												
					Semivolatiles 8270D/SIM (with low-level PAHs)												
					PAHs 8270D/SIM (low-level)												
					PCBs 8082A												
					Organochlorine Pesticides 8081B												
					Organophosphorus Pesticides 8270D/SIM												
					Chlorinated Acid Herbicides 8151A												
					Total RCRA Metals												
					Total MTCA Metals												
					TCLP Metals												
					HEM (oil and grease) 1664A												
					% Moisture												
Signature		Company		Date	Time	Comments/Special Instructions											
<u>[Signature]</u>		<u>Farallon</u>		<u>4/29/19</u>	<u>1445</u>	<u>Hold all samples. PM will contact for analysis. (P)</u>											
Relinquished																	
Received				<u>4/30/19</u>	<u>1000</u>												
Relinquished																	
Received																	
Relinquished																	
Received																	
Reviewed/Date						Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>											
						Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>											



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 2, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-002

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 1, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 2, 2019
Samples Submitted: May 1, 2019
Laboratory Reference: 1905-002
Project: 525-031

Case Narrative

Samples were collected on April 30, 2019 and received by the laboratory on May 1, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 2, 2019
 Samples Submitted: May 1, 2019
 Laboratory Reference: 1905-002
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	G4-01-5.0					
Laboratory ID:	05-002-01					
Diesel Range Organics	120	28	NWTPH-Dx	5-1-19	5-1-19	N
Lube Oil	520	56	NWTPH-Dx	5-1-19	5-1-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	F3-01-5.0					
Laboratory ID:	05-002-02					
Diesel Range Organics	110	31	NWTPH-Dx	5-1-19	5-1-19	
Lube Oil	210	62	NWTPH-Dx	5-1-19	5-1-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				

Client ID:	G5-01-5.0					
Laboratory ID:	05-002-03					
Diesel Range Organics	ND	30	NWTPH-Dx	5-1-19	5-1-19	
Lube Oil	84	60	NWTPH-Dx	5-1-19	5-1-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				

Client ID:	G5-02-7.0					
Laboratory ID:	05-002-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-1-19	5-1-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-1-19	5-1-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	98	50-150				



Date of Report: May 2, 2019
 Samples Submitted: May 1, 2019
 Laboratory Reference: 1905-002
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0501S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-1-19	5-1-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-1-19	5-1-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	96	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0501S3							
	ORIG	DUP						
Diesel Fuel #2	87.1	82.8	NA	NA	NA	5	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				100	98	50-150		



Date of Report: May 2, 2019
Samples Submitted: May 1, 2019
Laboratory Reference: 1905-002
Project: 525-031

% MOISTURE

Date Analyzed: 5-1-19

Client ID	Lab ID	% Moisture
G4-01-5.0	05-002-01	11
F3-01-5.0	05-002-02	19
G5-01-5.0	05-002-03	17
G5-02-7.0	05-002-04	10





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 1 of 7

Turnaround Request <small>(in working days)</small>						
(Check One)						
<input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day						
<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days						
<input type="checkbox"/> Standard (7 Days)						
<input type="checkbox"/>						
(other) _____						
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Laboratory Number: 05-002
1	G4-01-5.0	4/30/19	8905	S	1	NWTPH-HCID
2	F3-01-5.0		6910	J		NWTPH-Gx/BTEX
3	G5--01-5.0		1120	J		NWTPH-Gx
4	G5-02-7.0		1125	J		NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
5	G4-02-5.0		1205	J		Volatiles 8260C
						Halogenated Volatiles 8260C
						EDB EPA 8011 (Waters Only)
						Semivolatiles 8270D/SIM (with low-level PAHs)
						PAHs 8270D/SIM (low-level)
						PCBs 8082A
						Organochlorine Pesticides 8081B
						Organophosphorus Pesticides 8270D/SIM
						Chlorinated Acid Herbicides 8151A
						Total RCRA Metals
						Total MTCA Metals
						TCLP Metals
						HCM (oil and grease) 1664A
						% Moisture



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 2, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-027

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 2, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 2, 2019
Samples Submitted: May 2, 2019
Laboratory Reference: 1905-027
Project: 525-031

Case Narrative

Samples were collected on May 1, 2019 and received by the laboratory on May 2, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 2, 2019
 Samples Submitted: May 2, 2019
 Laboratory Reference: 1905-027
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	G2-01-5.0					
Laboratory ID:	05-027-02					
Diesel Range Organics	ND	29	NWTPH-Dx	5-2-19	5-2-19	
Lube Oil	250	57	NWTPH-Dx	5-2-19	5-2-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Client ID:	F2-02-17.0					
Laboratory ID:	05-027-04					
Diesel Range Organics	ND	29	NWTPH-Dx	5-2-19	5-2-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-2-19	5-2-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				

Client ID:	E1-03-20.0					
Laboratory ID:	05-027-07					
Diesel Range Organics	51	46	NWTPH-Dx	5-2-19	5-2-19	
Lube Oil Range Organics	ND	91	NWTPH-Dx	5-2-19	5-2-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				

Client ID:	E1-04-19.0					
Laboratory ID:	05-027-08					
Diesel Range Organics	99	28	NWTPH-Dx	5-2-19	5-2-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-2-19	5-2-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				



Date of Report: May 2, 2019
 Samples Submitted: May 2, 2019
 Laboratory Reference: 1905-027
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0502S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-2-19	5-2-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-2-19	5-2-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	95	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	SB0502S1									
	ORIG	DUP								
Diesel Fuel #2	72.9	71.7	NA	NA		NA	NA	2	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						95	94	50-150		



Date of Report: May 2, 2019
Samples Submitted: May 2, 2019
Laboratory Reference: 1905-027
Project: 525-031

% MOISTURE

Date Analyzed: 5-2-19

Client ID	Lab ID	% Moisture
G2-01-5.0	05-027-02	12
F2-02-17.0	05-027-04	15
E1-03-20.0	05-027-07	45
E1-04-19.0	05-027-08	12





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody

Company:	Faallan
Project Number:	525-031
Project Name:	Centralin Asphalt Plant
Project Manager:	Pete Kingston
Sampled by:	Y. Pellivan

Laboratory Number:

05-027

[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 6, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-045

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 3, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 6, 2019
Samples Submitted: May 3, 2019
Laboratory Reference: 1905-045
Project: 525-031

Case Narrative

Samples were collected on May 2, 2019 and received by the laboratory on May 3, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 6, 2019
 Samples Submitted: May 3, 2019
 Laboratory Reference: 1905-045
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	D1-01-3.0					
Laboratory ID:	05-045-01					
Diesel Range Organics	ND	30	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	150	60	NWTPH-Dx	5-3-19	5-3-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				

Client ID:	C1-01-5.0					
Laboratory ID:	05-045-02					
Diesel Range Organics	ND	31	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	130	61	NWTPH-Dx	5-3-19	5-3-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Client ID:	B2-01-18.0					
Laboratory ID:	05-045-03					
Diesel Fuel #2	650	28	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil	150	56	NWTPH-Dx	5-3-19	5-3-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				

Client ID:	F1-01-5.0					
Laboratory ID:	05-045-04					
Diesel Range Organics	ND	30	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	85	61	NWTPH-Dx	5-3-19	5-3-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	84	50-150				

Client ID:	F1-02-12.0					
Laboratory ID:	05-045-05					
Diesel Range Organics	ND	27	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-19	5-3-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	62	50-150				

Client ID:	E1-05-12.0					
Laboratory ID:	05-045-06					
Diesel Range Organics	ND	27	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-19	5-3-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	77	50-150				



Date of Report: May 6, 2019
 Samples Submitted: May 3, 2019
 Laboratory Reference: 1905-045
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS **NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	D1-02-12.0					
Laboratory ID:	05-045-07					
Diesel Range Organics	ND	30	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Client ID:	B2-02-5.0					
Laboratory ID:	05-045-08					
Diesel Range Organics	ND	28	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	110	56	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	96	50-150				

Client ID:	B2-03-12.0					
Laboratory ID:	05-045-09					
Diesel Range Organics	ND	27	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	78	50-150				

Client ID:	E2-04-25.0					
Laboratory ID:	05-045-10					
Diesel Fuel #2	38	28	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	91	50-150				

Client ID:	D1-03-20.0					
Laboratory ID:	05-045-11					
Diesel Fuel #2	4300	29	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil	680	58	NWTPH-Dx	5-3-19	5-3-19	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	92	50-150				

Client ID:	D2-03-23.0					
Laboratory ID:	05-045-12					
Diesel Fuel #2	60	27	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 6, 2019
 Samples Submitted: May 3, 2019
 Laboratory Reference: 1905-045
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0503S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-3-19	5-3-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-3-19	5-3-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	114	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-045-05									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						62	69	50-150		
Laboratory ID:	05-045-12									
	ORIG	DUP								
Diesel Fuel #2	55.8	31.6	NA	NA		NA	NA	55	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						94	74	50-150		



Date of Report: May 6, 2019
Samples Submitted: May 3, 2019
Laboratory Reference: 1905-045
Project: 525-031

% MOISTURE

Date Analyzed: 5-3-19

Client ID	Lab ID	% Moisture
D1-01-3.0	05-045-01	16
C1-01-5.0	05-045-02	18
B2-01-18.0	05-045-03	11
F1-01-5.0	05-045-04	17
F1-02-12.0	05-045-05	8
E1-05-12.0	05-045-06	8
D1-02-12.0	05-045-07	17
B2-02-5.0	05-045-08	11
B2-03-12.0	05-045-09	7
E2-04-25.0	05-045-10	10
D1-03-20.0	05-045-11	14
D2-03-23.0	05-045-12	7





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





**MVA Onsite
Environmental Inc.**

Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 2

Company:	Farallon
Project Number:	525-031
Project Name:	Centralia Asphalt Plant
Project Manager:	Pete Kingston
Sampled by:	y. pelinew

Turnaround Request (in working days)

(Check One)

☐ Same Day ☒ 1 Day

☐ 2 Days ☐ 3 Days

☐ Standard (7 Days)

☐ (other) _____

Date Sampled Time Sampled Matrix

Number of Containers

Laboratory Number: **05-045**

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	

Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	Date	Time	Comments/Special Instructions
1	D1-01-3.0	5/2/19	0645	S	1	5/2/19	1445	Hold all samples. PM will contact for analysis. DB
2	C1-01-5.0		0810	I	1			
3	B2-01-18.0		0850	I	1			
4	F1-01-5.0		1050	I	1			
5	F1-02-12.0		1055	I	1			
6	E1-05-12.0		1100	I	1			
7	D1-02-12.0		1105	I	1			
8	B2-02-5.0		1110	I	1			
9	B2-03-12.0		1115	I	1			
10	E2-04-25.0		1230	I	1			
Relinquished								
Received								
Relinquished								
Received								
Relinquished								
Received								
Relinquished								
Reviewed/Date								

Data Package: Standard ☐ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 2 of 2[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 7, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-060

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 3, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 7, 2019
Samples Submitted: May 3, 2019
Laboratory Reference: 1905-060
Project: 525-031

Case Narrative

Samples were collected on May 3, 2019 and received by the laboratory on May 3, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 7, 2019
 Samples Submitted: May 3, 2019
 Laboratory Reference: 1905-060
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	F3-01-16.0					
Laboratory ID:	05-060-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-6-19	5-6-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-6-19	5-6-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	79	50-150				



Date of Report: May 7, 2019
 Samples Submitted: May 3, 2019
 Laboratory Reference: 1905-060
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0506S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-6-19	5-6-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-6-19	5-6-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	99	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0506S3							
	ORIG	DUP						
Diesel Fuel #2	82.2	82.2	NA	NA	NA	0	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				123	115	50-150		



Date of Report: May 7, 2019
Samples Submitted: May 3, 2019
Laboratory Reference: 1905-060
Project: 525-031

% MOISTURE

Date Analyzed: 5-6-19

Client ID	Lab ID	% Moisture
F3-01-16.0	05-060-01	13





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 1 of 1

[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 7, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-077

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 7, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal flourish extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 7, 2019
Samples Submitted: May 7, 2019
Laboratory Reference: 1905-077
Project: 525-031

Case Narrative

Samples were collected on May 6, 2019 and received by the laboratory on May 7, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 7, 2019
 Samples Submitted: May 7, 2019
 Laboratory Reference: 1905-077
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	F5-01-5.0					
Laboratory ID:	05-077-01					
Diesel Range Organics	ND	30	NWTPH-Dx	5-7-19	5-7-19	
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-7-19	5-7-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	F6-01-5.0					
Laboratory ID:	05-077-02					
Diesel Range Organics	ND	31	NWTPH-Dx	5-7-19	5-7-19	
Lube Oil Range Organics	ND	61	NWTPH-Dx	5-7-19	5-7-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				

Client ID:	D1-04-24.0					
Laboratory ID:	05-077-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-7-19	5-7-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-7-19	5-7-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				

Client ID:	C1-03-18.0					
Laboratory ID:	05-077-04					
Diesel Range Organics	ND	29	NWTPH-Dx	5-7-19	5-7-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-7-19	5-7-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



Date of Report: May 7, 2019
 Samples Submitted: May 7, 2019
 Laboratory Reference: 1905-077
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0507S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-7-19	5-7-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-7-19	5-7-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	80	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	SB0507S1							
	ORIG	DUP						
Diesel Fuel #2	95.4	81.5	NA	NA	NA	16	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				95	87	50-150		



Date of Report: May 7, 2019
Samples Submitted: May 7, 2019
Laboratory Reference: 1905-077
Project: 525-031

% MOISTURE

Date Analyzed: 5-7-19

Client ID	Lab ID	% Moisture
F5-01-5.0	05-077-01	17
F6-01-5.0	05-077-02	18
D1-04-24.0	05-077-03	10
C1-03-18.0	05-077-04	12





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 1 of 1

ANALYTICAL LABORATORY TESTING SERVICES 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com				Turnaround Request (in working days)		Laboratory Number: 05-077															
Company: Forallan				<input checked="" type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)																	
Project Number: 525-031				<input type="checkbox"/> (other)																	
Project Name: 525-031																					
Project Manager: Pete Kingston																					
Sampled by: P. Rainey																					
Lab ID				Date Sampled		Time Sampled		Matrix		Number of Containers											
1				5/6/19		1300		5		1		NWTPH-HCID									
2				5/6-01-5.0		1305		5		1		NWTPH-Gx/BTEX									
3				D1-04-24.0		1400		5		1		NWTPH-Gx									
4				C1-03-18.0		1415		5		1		NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)									
												Volatiles 8260C									
												Halogenated Volatiles 8260C									
												EDB EPA 8011 (Waters Only)									
												Semivolatiles 8270D/SIM (with low-level PAHs)									
												PAHs 8270D/SIM (low-level)									
												PCBs 8082A									
												Organochlorine Pesticides 8081B									
												Organophosphorus Pesticides 8270D/SIM									
												Chlorinated Acid Herbicides 8151A									
												Total RCRA Metals									
												Total MTCA Metals									
												TCLP Metals									
												HEM (oil and grease) 1664A									
												% Moisture									
Received				Signature		Company		Date		Time		Comments/Special Instructions									
Relinquished						Forallan		5/6/19		1435		Hold all samples. PM will contact for analyses.									
Received						CSE		5/7/19		1010											
Relinquished																					
Received																					
Relinquished																					
Received																					
Relinquished																					
Reviewed/Date												Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>									
Reviewed/Date												Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>									



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 9, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-095

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 8, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 9, 2019
Samples Submitted: May 8, 2019
Laboratory Reference: 1905-095
Project: 525-031

Case Narrative

Samples were collected on May 7, 2019 and received by the laboratory on May 8, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 9, 2019
 Samples Submitted: May 8, 2019
 Laboratory Reference: 1905-095
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	C2-01-23.0					
Laboratory ID:	05-095-01					
Diesel Range Organics	ND	31	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	63	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	88	50-150				

Client ID:	B3-01-11.0					
Laboratory ID:	05-095-02					
Diesel Range Organics	ND	29	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				

Client ID:	C3-01-17.0					
Laboratory ID:	05-095-03					
Diesel Range Organics	ND	30	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				

Client ID:	C4-01-9.0					
Laboratory ID:	05-095-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Client ID:	C3-02-22.0					
Laboratory ID:	05-095-05					
Diesel Fuel #2	370	48	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil	160	97	NWTPH-Dx	5-8-19	5-9-19	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	72	50-150				

Client ID:	D4-01-20.0					
Laboratory ID:	05-095-06					
Diesel Range Organics	ND	29	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				



Date of Report: May 9, 2019
 Samples Submitted: May 8, 2019
 Laboratory Reference: 1905-095
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0508S2					
Diesel Range Organics	ND	25	NWTPH-Dx	5-8-19	5-9-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-8-19	5-9-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	90	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-095-04							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				82	96	50-150		



Date of Report: May 9, 2019
Samples Submitted: May 8, 2019
Laboratory Reference: 1905-095
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
C2-01-23.0	05-095-01	20	5-8-19
B3-01-11.0	05-095-02	13	5-8-19
C3-01-17.0	05-095-03	16	5-8-19
C4-01-9.0	05-095-04	10	5-8-19
C3-02-22.0	05-095-05	48	5-8-19
D4-01-20.0	05-095-06	14	5-8-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody

Page _____ of _____

[illegible]



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 10, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-121

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 9, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody,
and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2019
Samples Submitted: May 9, 2019
Laboratory Reference: 1905-121
Project: 525-031

Case Narrative

Samples were collected on May 8, 2019 and received by the laboratory on May 9, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 10, 2019
 Samples Submitted: May 9, 2019
 Laboratory Reference: 1905-121
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	D3-01-22.0					
Laboratory ID:	05-121-01					
Diesel Fuel #2	520	28	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil	110	56	NWTPH-Dx	5-10-19	5-10-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	E4-01-22.0					
Laboratory ID:	05-121-02					
Diesel Fuel #2	100	29	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	78	50-150				

Client ID:	C5-01-21.0					
Laboratory ID:	05-121-03					
Diesel Range Organics	ND	30	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	60	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				

Client ID:	D5-01-22.0					
Laboratory ID:	05-121-04					
Diesel Range Organics	ND	30	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	73	50-150				

Client ID:	G5-03-5.0					
Laboratory ID:	05-121-05					
Diesel Range Organics	ND	29	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	66	59	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	83	50-150				

Client ID:	G5-04-8.0					
Laboratory ID:	05-121-06					
Diesel Range Organics	ND	27	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	88	50-150				



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 10, 2019
 Samples Submitted: May 9, 2019
 Laboratory Reference: 1905-121
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-121-06									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						88	80	50-150		



Date of Report: May 10, 2019
Samples Submitted: May 9, 2019
Laboratory Reference: 1905-121
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
D3-01-22.0	05-121-01	11	5-9-19
E4-01-22.0	05-121-02	13	5-9-19
C5-01-21.0	05-121-03	17	5-9-19
D5-01-22.0	05-121-04	16	5-9-19
G5-03-5.0	05-121-05	15	5-9-19
G5-04-8.0	05-121-06	8	5-9-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody

Page 1 of 1

Company:					
Project Number:					
Project Name:					
Sampled by:					
Project Manager:					
Date Sampled					
Time Sampled					
Matrix					
Number of Containers					
NWTPH-HCID					
NWTPH-Gx/BTEX					
NWTPH-Gx					
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)					
Volatiles 8260C					
Halogenated Volatiles 8260C					
EDB EPA 8011 (Waters Only)					
Semivolatiles 8270D/SIM (with low-level PAHs) PAHs 8270D/SIM (low-level)					
PCBs 8082A					
Organochlorine Pesticides 8081B					
Organophosphorus Pesticides 8270D/SIM					
Chlorinated Acid Herbicides 8151A					
Total RCRA Metals					
Total MTCA Metals					
TCPLP Metals					
HEM (oil and grease) 1664A					
% Moisture					
Received	Signature	Company	Date	Time	Comments/Special Instructions
Relinquished					
Relinquished					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Received					
Reviewed/Date					



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 13, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-144

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 10, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB' followed by a stylized flourish.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 13, 2019
Samples Submitted: May 10, 2019
Laboratory Reference: 1905-144
Project: 525-031

Case Narrative

Samples were collected on May 9, 2019 and received by the laboratory on May 10, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 13, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-144
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	E3-01-24.0					
Laboratory ID:	05-144-01					
Diesel Fuel #2	1900	31	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil	340	62	NWTPH-Dx	5-10-19	5-10-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				
Client ID:	F3-02-22.0					
Laboratory ID:	05-144-02					
Diesel Range Organics	ND	30	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				



Date of Report: May 13, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-144
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0510S3					
Diesel Range Organics	ND	25	NWTPH-Dx	5-10-19	5-10-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-10-19	5-10-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	87	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-121-06							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				88	80	50-150		



Date of Report: May 13, 2019
Samples Submitted: May 10, 2019
Laboratory Reference: 1905-144
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E3-01-24.0	05-144-01	19	5-10-19
F3-02-22.0	05-144-02	15	5-10-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 14, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-167

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 10, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 14, 2019
Samples Submitted: May 10, 2019
Laboratory Reference: 1905-167
Project: 525-031

Case Narrative

Samples were collected on May 10, 2019 and received by the laboratory on May 10, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 14, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-167
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	G3-02-22.0					
Laboratory ID:	05-167-01					
Diesel Fuel #2	200	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	101	50-150				

Client ID:	G3-04-12.0					
Laboratory ID:	05-167-02					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	97	50-150				

Client ID:	G3-03-5.0					
Laboratory ID:	05-167-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	94	50-150				

Client ID:	D6-03-22.0					
Laboratory ID:	05-167-04					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	100	50-150				

Client ID:	D6-01-5.0					
Laboratory ID:	05-167-05					
Diesel Range Organics	ND	31	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	72	62	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	111	50-150				

Client ID:	D6-02-12.0					
Laboratory ID:	05-167-06					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	104	50-150				



Date of Report: May 14, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-167
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	C6-01-12.0					
Laboratory ID:	05-167-07					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	96	50-150				

Client ID:	C6-02-5.0					
Laboratory ID:	05-167-08					
Diesel Range Organics	ND	30	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	61	60	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	112	50-150				

Client ID:	C6-03-17.0					
Laboratory ID:	05-167-09					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	91	50-150				

Client ID:	B4-01-9.0					
Laboratory ID:	05-167-10					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	98	50-150				

Client ID:	B4-02-5.0					
Laboratory ID:	05-167-11					
Diesel Range Organics	ND	31	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	110	61	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	93	50-150				

Client ID:	C5-02-5.0					
Laboratory ID:	05-167-12					
Diesel Range Organics	ND	30	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	91	60	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	113	50-150				



Date of Report: May 14, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-167
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	B1-01-6.0					
Laboratory ID:	05-167-13					
Diesel Range Organics	ND	29	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	99	50-150				

Client ID:	C5-03-12.0					
Laboratory ID:	05-167-14					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	98	50-150				

Client ID:	E5-01-22.0					
Laboratory ID:	05-167-15					
Diesel Range Organics	ND	28	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	96	50-150				

Client ID:	F4-01-22.0					
Laboratory ID:	05-167-16					
Diesel Range Organics	ND	29	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	101	50-150				



Date of Report: May 14, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-167
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0511S1					
Diesel Range Organics	ND	25	NWTPH-Dx	5-11-19	5-13-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-11-19	5-13-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	119	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-154-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				87	95	50-150		
Laboratory ID:	05-154-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				118	105	50-150		



Date of Report: May 14, 2019
 Samples Submitted: May 10, 2019
 Laboratory Reference: 1905-167
 Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
G3-02-22.0	05-167-01	11	5-13-19
G3-04-12.0	05-167-02	12	5-13-19
G3-03-5.0	05-167-03	10	5-13-19
D6-03-22.0	05-167-04	9	5-13-19
D6-01-5.0	05-167-05	19	5-13-19
D6-02-12.0	05-167-06	11	5-13-19
C6-01-12.0	05-167-07	11	5-13-19
C6-02-5.0	05-167-08	17	5-13-19
C6-03-17.0	05-167-09	12	5-13-19
B4-01-9.0	05-167-10	9	5-13-19
B4-02-5.0	05-167-11	18	5-13-19
C5-02-5.0	05-167-12	16	5-13-19
B1-01-6.0	05-167-13	14	5-13-19
C5-03-12.0	05-167-14	11	5-13-19
E5-01-22.0	05-167-15	11	5-13-19
F4-01-22.0	05-167-16	14	5-13-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Onsite Environmental Inc.
Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Company: Farallon
Project Number: 525-031
Project Name: 525-031
Project Manager: Pete Kingston
Sampled by: V. Pallivan

Turnaround Request (in working days)

(Check One)

☐ Same Day ☒ 1 Day

☐ 2 Days ☐ 3 Days

☐ Standard (7 Days)

☐ _____ (other)

Laboratory Number:

05-167

Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Gx	
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)	
Volatiles 8260C	
Halogenated Volatiles 8260C	
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270D/SIM (with low-level PAHs)	
PAHs 8270D/SIM (low-level)	
PCBs 8082A	
Organochlorine Pesticides 8081B	
Organophosphorus Pesticides 8270D/SIM	
Chlorinated Acid Herbicides 8151A	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664A	
% Moisture	

Lab ID Sample Identification

Date Sampled Time Sampled Matrix

1	G3-02-22.0	5/10/19	0505	5	1
2	G3-04-12.0		0510		1
3	G3-03-5.0		0815		1
4	D6-03-22.0		1025		1
5	D6-01-5.0		1040		1
6	D6-02-12.0		1045		1
7	CG-01-12.0		1050		1
8	CG-02-5.0		1055		1
9	CG-03-17.0		1100		1
10	B4-01-9.0		1115		1

Signature

Company

Date

Time

Comments/Special Instructions

Farallon

GSE

5/10/19 1800
5/18/19 1800

Hold all samples for analysis. PPA will contact for analysis.

Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date					

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐



Chain of Custody

Page 2 of 1

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com					
Civil Environmental Inc.					
Company: Farallon					
Project Number: 525-031					
Project Name: 525-031					
Project Manager: Pete Kingston					
Sampled by: Y. Pellivan					
<div>(Check One) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> Standard (7 Days)</div>					
<div>Date Sampled _____ Time Sampled _____ Matrix _____ (other) _____</div>					
Turnaround Request (in working days)					
Laboratory Number: 05-167					
Number of Containers					
NWTPH-HCID					
NWTPH-Gx/BTEX					
NWTPH-Gx					
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)					
Volatiles 8260C					
Halogenated Volatiles 8260C					
EDB EPA 8011 (Waters Only)					
Semivolatiles 8270D/SIM (with low-level PAHs)					
PAHs 8270D/SIM (low-level)					
PCBs 8082A					
Organochlorine Pesticides 8081B					
Organophosphorus Pesticides 8270D/SIM					
Chlorinated Acid Herbicides 8151A					
Total RCRA Metals					
Total MTCA Metals					
TCLP Metals					
HEM (oil and grease) 1664A					
% Moisture					
Lab ID					
Sample Identification					
11 B4-02-5.0 5/10/19 1120 S 1					
12 C5-02-5.0 1125 1					
13 B1-01-6.0 1130 1					
14 C5-03-12.0 1135 1					
15 E5-01-22.0 1420 1					
16 F4-01-22.0 5/10/19 0845 1					
Signature: [Signature] Company: Farallon Date: 5/10/19 Time: 1800					
Received Received Relinquished Received Relinquished Received Relinquished					
Reviewed/Date Reviewed/Date					
Comments/Special Instructions: Hold all samples. PM will contact for analysis.					
Data Package: Standard <input type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>					
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input type="checkbox"/>					



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

May 20, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1905-202

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 15, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: May 20, 2019
Samples Submitted: May 15, 2019
Laboratory Reference: 1905-202
Project: 525-031

Case Narrative

Samples were collected on May 14, 2019 and received by the laboratory on May 15, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: May 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-202
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	G5-05-12.0					
Laboratory ID:	05-202-01					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-17-19	5-17-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	76	50-150				

Client ID:	F5-02-14.0					
Laboratory ID:	05-202-02					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-17-19	5-17-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	107	50-150				

Client ID:	F5-03-9.0					
Laboratory ID:	05-202-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil	180	56	NWTPH-Dx	5-17-19	5-17-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	89	50-150				

Client ID:	E7-01-5.0					
Laboratory ID:	05-202-04					
Diesel Range Organics	ND	31	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	140	63	NWTPH-Dx	5-17-19	5-17-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				



Date of Report: May 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-202
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0517S4					
Diesel Range Organics	ND	25	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	94	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	05-202-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				107	86	50-150		



Date of Report: May 20, 2019
Samples Submitted: May 15, 2019
Laboratory Reference: 1905-202
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
G5-05-12.0	05-202-01	12	5-17-19
F5-02-14.0	05-202-02	14	5-17-19
F5-03-9.0	05-202-03	11	5-17-19
E7-01-5.0	05-202-04	20	5-17-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in method 8260C, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

Turnaround Request (in working days)					
(Check One)					
<input type="checkbox"/> Same Day		<input type="checkbox"/> 1 Day			
<input checked="" type="checkbox"/> 2 Days		<input type="checkbox"/> 3 Days			
<input type="checkbox"/> Standard (7 Days) (TPH analysis 5 Days)					
<input type="checkbox"/>					
Number of Containers					
NWTPH-HCID					
NWTPH-Gx/BTEX					
NWTPH-Gx					
NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)					
Volatiles 8260C					
Halogenated Volatiles 8260C					
EDB EPA 8011 (Waters Only)					
Semivolatiles 8270D/SIM (with low-level PAHs)					
PAHs 8270D/SIM (low-level)					
PCBs 8082A					
Organochlorine Pesticides 8081B					
Organophosphorus Pesticides 8270D/SIM					
Chlorinated Acid Herbicides 8151A					
Total RCRA Metals					
Total MTCA Metals					
TCLP Metals					
HEM (oil and grease) 1664A					
% Moisture					



**OnSite
Environmental Inc.**

14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 19, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1907-101

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on July 10, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister
Project Manager

Enclosures



Date of Report: July 19, 2019
Samples Submitted: July 10, 2019
Laboratory Reference: 1907-101
Project: 525-031

Case Narrative

Samples were collected on July 9, 2019 and received by the laboratory on July 10, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 19, 2019
 Samples Submitted: July 10, 2019
 Laboratory Reference: 1907-101
 Project: 525-031

DIESEL AND HEAVY OIL RANGE ORGANICS
NWTPH-Dx

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-03-15.0					
Laboratory ID:	07-101-03					
Diesel Range Organics	ND	28	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	7-17-19	7-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Client ID:	FMW-03-20.0					
Laboratory ID:	07-101-04					
Diesel Range Organics	ND	27	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	7-17-19	7-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	94	50-150				

Client ID:	FMW-04-25.0					
Laboratory ID:	07-101-12					
Diesel Fuel #2	500	27	NWTPH-Dx	7-17-19	7-19-19	
Lube Oil	86	55	NWTPH-Dx	7-17-19	7-19-19	N1
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				

Client ID:	FMW-04-27.5					
Laboratory ID:	07-101-13					
Diesel Range Organics	ND	27	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	7-17-19	7-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				



Date of Report: July 19, 2019
 Samples Submitted: July 10, 2019
 Laboratory Reference: 1907-101
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0717S3					
Diesel Range Organics	ND	25	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-17-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	105	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	07-101-04									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						94	103	50-150		



Date of Report: July 19, 2019
Samples Submitted: July 10, 2019
Laboratory Reference: 1907-101
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-03-15.0	07-101-03	10	7-17-19
FMW-03-20.0	07-101-04	8	7-17-19
FMW-04-25.0	07-101-12	8	7-17-19
FMW-04-27.5	07-101-13	7	7-17-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Page 1 of 2

% Moisture	Temperature, °C	Time, min	Weight loss, %
0			
10			
20			
30			
40			
50			
60			
70			
80			
90			
100			

Laboratory Number: 07-101

☐ _____
(other)

Pete Kingston
 C. Barnfield

[illegible]

Comments/Special Instructions

2010-11-10

10

2

(X) Added 7/15/19 - DB (STA)

Data Package: Standard ☒ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒



Chain of Custody

Page 2 of 2

Civil Engineering Inc.

Analytical Laboratory Testing Services

14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Laboratory Number: **07-101**

Turnaround Request (in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)

☐ _____ (other)

Sampled by:

Pete Kingston

C. Barnfield

Project Manager:

Sample Identification

Date Sampled

Time Sampled

Matrix

Number of Containers

NWTPH-HCID

NWTPH-Gx/BTEX

NWTPH-Gx

NWTPH-Dx (☐ Acid / SG Clean-up)

Volatiles 8260C

Halogenated Volatiles 8260C

EDB EPA 8011 (Waters Only)

Semivolatiles 8270D/SIM (with low-level PAHs)

PAHs 8270D/SIM (low-level)

PCBs 8082A

Organochlorine Pesticides 8081B

Organophosphorus Pesticides 8270D/SIM

Chlorinated Acid Herbicides 8151A

Total RCRA Metals

Total MTCA Metals

TCLP Metals

HEM (oil and grease) 1664A

% Moisture

Lab ID

Signature

Company

Date

Time

Comments/Special Instructions

Data Package: Standard ☒ Level III ☐ Level IV ☐

Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒

Reviewed/Date

Relinquished

Received

Relinquished

Received

Relinquished

Received

Relinquished

Reviewed/Date



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 18, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1907-102

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on July 10, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 18, 2019
Samples Submitted: July 10, 2019
Laboratory Reference: 1907-102
Project: 525-031

Case Narrative

Samples were collected on July 8, 2019 and received by the laboratory on July 10, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 18, 2019
 Samples Submitted: July 10, 2019
 Laboratory Reference: 1907-102
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-01-8.0					
Laboratory ID:	07-102-02					
Diesel Range Organics	ND	30	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	ND	60	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	75	50-150				

Client ID:	FMW-01-15.0					
Laboratory ID:	07-102-03					
Diesel Range Organics	ND	29	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	77	50-150				

Client ID:	FMW-01-20.0					
Laboratory ID:	07-102-04					
Diesel Range Organics	ND	28	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	140	56	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	83	50-150				

Client ID:	FMW-02-5.0					
Laboratory ID:	07-102-10					
Diesel Range Organics	ND	28	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	74	50-150				

Client ID:	FMW-02-10.0					
Laboratory ID:	07-102-11					
Diesel Fuel #2	300	52	NWTPH-Dx	7-11-19	7-18-19	
Lube Oil	820	110	NWTPH-Dx	7-11-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	83	50-150				

Client ID:	FMW-02-15.0					
Laboratory ID:	07-102-12					
Diesel Range Organics	ND	28	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	69	50-150				



Date of Report: July 18, 2019
 Samples Submitted: July 10, 2019
 Laboratory Reference: 1907-102
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Soil
 Units: mg/Kg (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0711S1					
Diesel Range Organics	ND	25	NWTPH-Dx	7-11-19	7-12-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	7-11-19	7-12-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	07-102-02							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				75	78	50-150		



Date of Report: July 18, 2019
Samples Submitted: July 10, 2019
Laboratory Reference: 1907-102
Project: 525-031

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-01-8.0	07-102-02	16	7-11-19
FMW-01-15.0	07-102-03	13	7-11-19
FMW-01-20.0	07-102-04	11	7-11-19
FMW-02-5.0	07-102-10	10	7-11-19
FMW-02-10.0	07-102-11	4	7-11-19
FMW-02-15.0	07-102-12	10	7-11-19





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Chain of Custody

Page 2

CIVIL-ENGINEERING INC. Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com															
Company: Farallon		Turnaround Request (in working days)		Laboratory Number: 07-102											
Project Number: 525-031		(Check One)													
Project Name: Onchalis Asphalt		<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day													
Project Manager: Pete Kingston		<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days													
Sampled by: C. Barfield		<input checked="" type="checkbox"/> Standard (7 Days)													
Sampled by: Handwritten		(other)													
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers										
1	FMW-01-5.0	7/8/19	940	S	NWTPH-HCID										
2	FMW-01-8.0		945		NWTPH-Gx/BTEX										
3	FMW-01-15.0		950		NWTPH-Gx										
4	FMW-01-20.0		1026		NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)										
5	FMW-01-25.0		1030		Volatiles 8260C										
6	FMW-01-30.0		1035		Halogenated Volatiles 8260C										
7	FMW-01-35.0		1041		EDB EPA 8011 (Waters Only)										
8	FMW-01-40.0		1050		Semivolatiles 8270D/SIM (with low-level PAHs)										
9	FMW-02-3.0		1335		PAHs 8270D/SIM (low-level)										
10	FMW-02-5.0		1340		PCBs 8082A										
					Organochlorine Pesticides 8081B										
					Organophosphorus Pesticides 8270D/SIM										
					Chlorinated Acid Herbicides 8151A										
					Total RCRA Metals										
					Total MTCA Metals										
					TCLP Metals										
					HEM (oil and grease) 1664A										
					Handwritten signature										
					% Moisture										
Relinquished		Signature	Company	Date	Time	Comments/Special Instructions									
Received		Handwritten signature	Farallon	7/9/19	1430	Handwritten note									
Relinquished			ORE	7/10/19	1100										
Received															
Relinquished															
Received															
Relinquished															
Reviewed/Date			Reviewed/Date			Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>					Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>				



Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 2 of 2

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3981 • www.on-site-env.com						
CIVIL ENGINEERING INC.						
Company: Farellon			Turnaround Request (in working days) (Check One)			
Project Number: 525-031			<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day			
Project Name: Chehalis Asphalt			<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days			
Project Manager: Pete Kingston			<input checked="" type="radio"/> Standard (7 Days)			
Sampled by: E.C. Bonfield			<input type="checkbox"/> _____ (other)			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
11	FMW-02-10.0	7/8/19	1355	S	I	NWTPH-HCID
12	FMW-02-15.0		1405			NWTPH-Gx/BTEX
13	FMW-02-20.0		1415		X	NWTPH-Gx
14	FMW-02-25.0		1455			NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
15	FMW-02-30.0		1500			Volatiles 8260C
16	FMW-02-35.0		1515			Halogenated Volatiles 8260C
17	FMW-02-40.0		1520	A	T	EDB EPA 8011 (Water Only)
						Semivolatiles 8270D/SIM (with low-level PAHs)
						PAHs 8270D/SIM (low-level)
						PCBs 8082A
						Organochlorine Pesticides 8081B
						Organophosphorus Pesticides 8270D/SIM
						Chlorinated Acid Herbicides 8151A
						Total RCRA Metals
						Total MTCA Metals
						TCLP Metals
						HEM (oil and grease) 1664A
						% Moisture
Signature: [Handwritten Signature]						
Relinquished		Company:		Date		
Received		Farellon		7/9/19 1430		
Relinquished		CORE		7/10/19 1100		
Received						
Relinquished						
Data Package: Standard <input checked="" type="checkbox"/>		Level III <input type="checkbox"/> Level IV <input type="checkbox"/>				
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>						



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

July 26, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1907-204

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on July 18, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: July 26, 2019
Samples Submitted: July 18, 2019
Laboratory Reference: 1907-204
Project: 525-031

Case Narrative

Samples were collected on July 16, 2019 and received by the laboratory on July 18, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: July 26, 2019
 Samples Submitted: July 18, 2019
 Laboratory Reference: 1907-204
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-01-071619					
Laboratory ID:	07-204-01					
Diesel Range Organics	ND	0.29	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	ND	0.46	NWTPH-Dx	7-22-19	7-23-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	74	50-150				

Client ID:	FMW-02-071619					
Laboratory ID:	07-204-02					
Diesel Range Organics	ND	0.28	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.54	0.45	NWTPH-Dx	7-22-19	7-23-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	86	50-150				

Client ID:	FMW-03-071619					
Laboratory ID:	07-204-03					
Diesel Range Organics	ND	0.29	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.52	0.46	NWTPH-Dx	7-22-19	7-23-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	70	50-150				

Client ID:	FMW-04-071619					
Laboratory ID:	07-204-04					
Diesel Range Organics	0.40	0.29	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.47	0.46	NWTPH-Dx	7-22-19	7-23-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	81	50-150				



Date of Report: July 26, 2019
 Samples Submitted: July 18, 2019
 Laboratory Reference: 1907-204
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0722W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	7-22-19	7-23-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	86	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	SB0722W1									
	ORIG	DUP								
Diesel Fuel #2	1.00	0.873	NA	NA		NA	NA	14	NA	
Lube Oil Range	ND	ND	NA	NA		NA	NA	NA	NA	
Surrogate:										
o-Terphenyl						89	86	50-150		





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





ANALYTICAL LABORATORY TESTING SERVICES
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.on-site-env.com

Chain of Custody

Page 1 of 1

Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com						
CIVIL ENGINEERING INC.						
Company: Farallon						
Project Number: S2S-031						
Project Name: Chehalis Asphalt						
Project Manager: Pete Kingston						
Sampled by: C Bonfield						
Turnaround Request (in working days) <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> Standard (7 Days)						
<input type="checkbox"/> 2 Days <input type="checkbox"/> 3 Days _____ (other)						
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers	
1	FMMW-01-071619	7/16/19	1158	M	2	NWTPH-HCID
2	FMMW-02- 7 1619		1305	I	X	NWTPH-Gx/BTEX
3	FMMW-03-71619		1521	I	X	NWTPH-Gx
4	FMMW-04-71619		1622	I	X	NWTPH-Dx (<input type="checkbox"/> Acid / SG Clean-up)
						Volatiles 8260C
						Halogenated Volatiles 8260C
						EDB EPA 8011 (Waters Only)
						Semivolatiles 8270D/SIM (with low-level PAHs)
						PAHs 8270D/SIM (low-level)
						PCBs 8082A
						Organochlorine Pesticides 8081B
						Organophosphorus Pesticides 8270D/SIM
						Chlorinated Acid Herbicides 8151A
						Total RCRA Metals
						Total MTCA Metals
						TCLP Metals
						HEM (oil and grease) 1664A
						% Moisture
Signature: [Handwritten Signature]						
Company: Farallon						
Date: 7/18/19 Time: 0930						
Comments/Special Instructions:						
Data Package: Standard <input checked="" type="checkbox"/> Level III <input type="checkbox"/> Level IV <input type="checkbox"/>						
Chromatograms with final report <input type="checkbox"/> Electronic Data Deliverables (EDDs) <input checked="" type="checkbox"/>						



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

October 21, 2019

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 1910-220

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on October 16, 2019.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal line extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 21, 2019
Samples Submitted: October 16, 2019
Laboratory Reference: 1910-220
Project: 525-031

Case Narrative

Samples were collected on October 14, 2019 and received by the laboratory on October 16, 2019. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: October 21, 2019
 Samples Submitted: October 16, 2019
 Laboratory Reference: 1910-220
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-1-101419					
Laboratory ID:	10-220-01					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-18-19	10-18-19	
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-18-19	10-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	97	50-150				

Client ID:	FMW-3-101419					
Laboratory ID:	10-220-02					
Diesel Range Organics	0.28	0.26	NWTPH-Dx	10-18-19	10-18-19	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-18-19	10-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Client ID:	FMW-2-101419					
Laboratory ID:	10-220-03					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-18-19	10-18-19	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	10-18-19	10-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	101	50-150				

Client ID:	FMW-4-101419					
Laboratory ID:	10-220-04					
Diesel Range Organics	ND	0.26	NWTPH-Dx	10-18-19	10-18-19	
Lube Oil Range Organics	ND	0.42	NWTPH-Dx	10-18-19	10-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				



Date of Report: October 21, 2019
 Samples Submitted: October 16, 2019
 Laboratory Reference: 1910-220
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB1018W1					
Diesel Range Organics	ND	0.25	NWTPH-Dx	10-18-19	10-18-19	
Lube Oil Range Organics	ND	0.40	NWTPH-Dx	10-18-19	10-18-19	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	103	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	10-216-02							
	ORIG	DUP						
Diesel Range Organics	0.341	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range Organics	0.945	ND	NA	NA	NA	NA	NA	NA
<i>Surrogate:</i>								
<i>o-Terphenyl</i>				90	97	50-150		





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





LIVIN' UNUSUAL INC.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Chain of Custody

Environmental Inc.

14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 885-3881 • Fax: (425) 885-4603

Turnaround Request
(in working days)

Laboratory Number:

10-220

Requested Analysis

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Day ☐ 3 Day

☒ Standard (7 working days)

☐ _____ (other)

Company: FARALLON

Project Number: 525-031

Project Name: ASPHALT PLANT

Project Manager: Pete Kingston

Sampled by: Ken Smith

Lab ID Sample Identification

Date Sampled	Time Sampled	Matrix	# of Cont.
10/14/19	1108	W	2
	1200	W	2
	1242	W	2
	1335	W	2

NWTPH-HCID	
NWTPH-Gx/BTEX	
NWTPH-Dx	X
Volatiles by 8260B	X
Halogenated Volatiles by 8260B	X
Semivolatiles by 8270C	X
PAHs by 8270C / SIM	X
PCBs by 8082	
Pesticides by 8081A	
Herbicides by 8151A	
Total RCRA Metals (8)	
TCLP Metals	
HEM by 1664	
VPH	
EPH	
% Moisture	

KS

Signature

Company

Date

Time

Comments/Special Instructions:

Relinquished by

Received by

Relinquished by

Received by

Relinquished by

Received by

Reviewed by/Date

Reviewed by/Date

Chromatograms with final report ☐



14648 NE 95th Street, Redmond, WA 98052 • (425) 883-3881

January 22, 2020

Pete Kingston
Farallon Consulting
1809 7th Avenue, Suite 1111
Seattle, WA 98101

Re: Analytical Data for Project 525-031
Laboratory Reference No. 2001-178

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on January 17, 2020.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read 'DB', with a long horizontal stroke extending to the right.

David Baumeister
Project Manager

Enclosures



OnSite Environmental, Inc. 14648 NE 95th Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: January 22, 2020
Samples Submitted: January 17, 2020
Laboratory Reference: 2001-178
Project: 525-031

Case Narrative

Samples were collected on January 16, 2020 and received by the laboratory on January 17, 2020. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: January 22, 2020
 Samples Submitted: January 17, 2020
 Laboratory Reference: 2001-178
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
Client ID:	FMW-04-011620					
Laboratory ID:	01-178-01					
Diesel Range Organics	0.31	0.21	NWTPH-Dx	1-20-20	1-20-20	
Lube Oil Range Organics	0.26	0.21	NWTPH-Dx	1-20-20	1-20-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	96	50-150				

Client ID:	FMW-01-011620					
Laboratory ID:	01-178-02					
Diesel Range Organics	0.22	0.21	NWTPH-Dx	1-20-20	1-20-20	
Lube Oil Range Organics	0.28	0.21	NWTPH-Dx	1-20-20	1-20-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Client ID:	FMW-03-011620					
Laboratory ID:	01-178-03					
Diesel Range Organics	ND	0.20	NWTPH-Dx	1-20-20	1-20-20	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	1-20-20	1-20-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	91	50-150				

Client ID:	FMW-02-011620					
Laboratory ID:	01-178-04					
Diesel Range Organics	ND	0.20	NWTPH-Dx	1-20-20	1-20-20	
Lube Oil Range Organics	ND	0.26	NWTPH-Dx	1-20-20	1-20-20	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	92	50-150				



Date of Report: January 22, 2020
 Samples Submitted: January 17, 2020
 Laboratory Reference: 2001-178
 Project: 525-031

**DIESEL AND HEAVY OIL RANGE ORGANICS
 NWTPH-Dx
 QUALITY CONTROL**

Matrix: Water
 Units: mg/L (ppm)

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0120W1					
Diesel Range Organics	ND	0.20	NWTPH-Dx	1-20-20	1-21-20	
Lube Oil Range Organics	ND	0.20	NWTPH-Dx	1-20-20	1-21-20	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	113	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	01-187-01							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	NA
Surrogate:								
o-Terphenyl				87	89	50-150		





Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B - The analyte indicated was also found in the blank sample.
- C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E - The value reported exceeds the quantitation range and is an estimate.
- F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I - Compound recovery is outside of the control limits.
- J - The value reported was below the practical quantitation limit. The value is an estimate.
- K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L - The RPD is outside of the control limits.
- M - Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N - Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 - Hydrocarbons in diesel range are impacting lube oil range results.
- O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P - The RPD of the detected concentrations between the two columns is greater than 40.
- Q - Surrogate recovery is outside of the control limits.
- S - Surrogate recovery data is not available due to the necessary dilution of the sample.
- T - The sample chromatogram is not similar to a typical _____.
- U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 - The practical quantitation limit is elevated due to interferences present in the sample.
- V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X - Sample extract treated with a mercury cleanup procedure.
- X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Z -
- ND - Not Detected at PQL
- PQL - Practical Quantitation Limit
- RPD - Relative Percent Difference





Analytical Laboratory Testing Services
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • www.onsite-env.com

Chain of Custody

Page 1 of 1

[illegible]



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Friday, May 29, 2020

Pete Kingston

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

RE: A0D0602 - Centralia Asphalt Plant - 525-031

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A0D0602, which was received by the laboratory on 4/23/2020 at 10:36:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

2.2 degC

Cooler #2

1.7 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FMW-01-042120	A0D0602-01	Water	04/21/20 13:05	04/23/20 10:36
FMW-02-042120	A0D0602-02	Water	04/21/20 12:10	04/23/20 10:36
FMW-03-042120	A0D0602-03	Water	04/21/20 11:00	04/23/20 10:36
FMW-04-042120	A0D0602-04	Water	04/21/20 14:15	04/23/20 10:36

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

ANALYTICAL CASE NARRATIVE

Work Order: A0D0602

Amended Report Revision 1:

This report supersedes all previous reports.

Analysis of NWTPH-Dx with Silica Gel cleanup was added after the previous report version had been completed.

Philip Nerenberg

Lab Director

5/29/20

Apex Laboratories

A handwritten signature in black ink that reads "Philip Nerenberg".

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
FMW-01-042120 (A0D0602-01)		Matrix: Water			Batch: 0040881			
Diesel	165	38.8	77.7	ug/L	1	04/28/20 23:36	NWTPH-Dx LL	F-11
Oil	ND	77.7	155	ug/L	1	04/28/20 23:36	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 91 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/28/20 23:36</i>	<i>NWTPH-Dx LL</i>	
FMW-02-042120 (A0D0602-02)		Matrix: Water			Batch: 0040881			
Diesel	179	38.8	77.7	ug/L	1	04/28/20 23:57	NWTPH-Dx LL	F-11
Oil	ND	77.7	155	ug/L	1	04/28/20 23:57	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 84 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/28/20 23:57</i>	<i>NWTPH-Dx LL</i>	
FMW-03-042120 (A0D0602-03)		Matrix: Water			Batch: 0040881			
Diesel	159	38.5	76.9	ug/L	1	04/29/20 00:19	NWTPH-Dx LL	F-11
Oil	ND	76.9	154	ug/L	1	04/29/20 00:19	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 80 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/29/20 00:19</i>	<i>NWTPH-Dx LL</i>	
FMW-04-042120 (A0D0602-04)		Matrix: Water			Batch: 0040881			
Diesel	451	38.8	77.7	ug/L	1	04/29/20 00:41	NWTPH-Dx LL	F-11
Oil	ND	77.7	155	ug/L	1	04/29/20 00:41	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 93 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/29/20 00:41</i>	<i>NWTPH-Dx LL</i>	

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Pete Kingston

Report ID:

A0D0602 - 05 29 20 1623

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
FMW-01-042120 (A0D0602-01)		Matrix: Water			Batch: 0051031			
Diesel	ND	38.8	77.7	ug/L	1	05/28/20 22:46	NWTPH-Dx/SGC	
Oil	ND	77.7	155	ug/L	1	05/28/20 22:46	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 83 %		Limits: 50-150 %	1	05/28/20 22:46	NWTPH-Dx/SGC	
FMW-02-042120 (A0D0602-02)		Matrix: Water			Batch: 0051031			
Diesel	ND	38.8	77.7	ug/L	1	05/28/20 23:08	NWTPH-Dx/SGC	
Oil	ND	77.7	155	ug/L	1	05/28/20 23:08	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 78 %		Limits: 50-150 %	1	05/28/20 23:08	NWTPH-Dx/SGC	
FMW-03-042120 (A0D0602-03)		Matrix: Water			Batch: 0051031			
Diesel	ND	38.5	76.9	ug/L	1	05/28/20 23:30	NWTPH-Dx/SGC	
Oil	ND	76.9	154	ug/L	1	05/28/20 23:30	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 72 %		Limits: 50-150 %	1	05/28/20 23:30	NWTPH-Dx/SGC	
FMW-04-042120 (A0D0602-04)		Matrix: Water			Batch: 0051031			
Diesel	60.0	38.8	77.7	ug/L	1	05/28/20 23:53	NWTPH-Dx/SGC	J
Oil	ND	77.7	155	ug/L	1	05/28/20 23:53	NWTPH-Dx/SGC	
Surrogate: o-Terphenyl (Surr)		Recovery: 84 %		Limits: 50-150 %	1	05/28/20 23:53	NWTPH-Dx/SGC	

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 0040881 - EPA 3510C (Fuels/Acid Ext.)						Water							
Blank (0040881-BLK1)			Prepared: 04/28/20 11:20 Analyzed: 04/28/20 22:30										
NWTPH-Dx LL													
Diesel	ND	36.4	72.7	ug/L	1	---	---	---	---	---	---		
Oil	ND	72.7	145	ug/L	1	---	---	---	---	---	---		
Surr: o-Terphenyl (Surr)		Recovery: 92 %		Limits: 50-150 %		Dilution: 1x							
LCS (0040881-BS1)			Prepared: 04/28/20 11:20 Analyzed: 04/28/20 22:52										
NWTPH-Dx LL													
Diesel	364	40.0	80.0	ug/L	1	500	---	73	59-115%	---	---		
Surr: o-Terphenyl (Surr)		Recovery: 94 %		Limits: 50-150 %		Dilution: 1x							
LCS Dup (0040881-BSD1)			Prepared: 04/28/20 11:20 Analyzed: 04/28/20 23:14										Q-19
NWTPH-Dx LL													
Diesel	391	40.0	80.0	ug/L	1	500	---	78	59-115%	7	30%		
Surr: o-Terphenyl (Surr)		Recovery: 97 %		Limits: 50-150 %		Dilution: 1x							

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 0051031 - EPA 3510C (Fuels/Acid Ext.) w/Silica Gel							Water					
Blank (0051031-BLK1)			Prepared: 04/28/20 11:20 Analyzed: 05/28/20 21:38									
NWTPH-Dx/SGC												
Diesel	ND	36.4	72.7	ug/L	1	---	---	---	---	---	---	
Oil	ND	72.7	145	ug/L	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 89 %		Limits: 50-150 %		Dilution: 1x						
LCS (0051031-BS1)			Prepared: 04/28/20 11:20 Analyzed: 05/28/20 22:01									
NWTPH-Dx/SGC												
Diesel	325	40.0	80.0	ug/L	1	500	---	65	59-115%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 92 %		Limits: 50-150 %		Dilution: 1x						
LCS Dup (0051031-BSD1)			Prepared: 04/28/20 11:20 Analyzed: 05/28/20 22:23									
NWTPH-Dx/SGC												
Diesel	342	40.0	80.0	ug/L	1	500	---	68	59-115%	5	30%	
Surr: o-Terphenyl (Surr)		Recovery: 94 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0040881							
A0D0602-01	Water	NWTPH-Dx LL	04/21/20 13:05	04/28/20 11:20	1030mL/2mL	1000mL/2mL	0.97
A0D0602-02	Water	NWTPH-Dx LL	04/21/20 12:10	04/28/20 11:20	1030mL/2mL	1000mL/2mL	0.97
A0D0602-03	Water	NWTPH-Dx LL	04/21/20 11:00	04/28/20 11:20	1040mL/2mL	1000mL/2mL	0.96
A0D0602-04	Water	NWTPH-Dx LL	04/21/20 14:15	04/28/20 11:20	1030mL/2mL	1000mL/2mL	0.97

Diesel and/or Oil Hydrocarbons by NWTPH-Dx with Silica Gel Column Cleanup

Prep: EPA 3510C (Fuels/Acid Ext.) w/Silica Gel

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 0051031							
A0D0602-01	Water	NWTPH-Dx/SGC	04/21/20 13:05	04/28/20 11:20			0.97
A0D0602-02	Water	NWTPH-Dx/SGC	04/21/20 12:10	04/28/20 11:20			0.97
A0D0602-03	Water	NWTPH-Dx/SGC	04/21/20 11:00	04/28/20 11:20			0.96
A0D0602-04	Water	NWTPH-Dx/SGC	04/21/20 14:15	04/28/20 11:20			0.97

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- F-11** The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- J** Estimated Result. Result detected below the lowest point of the calibration curve, but above the specified MDL.
- Q-19** Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).

If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.

The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")

See Percent Solids section for details of dry weight analysis.

"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).

-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.

-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.

For further details, please request a copy of this document.



Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Pete Kingston

Report ID:

A0D0602 - 05 29 20 1623

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
EPA ID: OR01039

AMENDED REPORT

Farallon Consulting - Issaquah

975 5th Ave NW
Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Pete Kingston**

Report ID:

A0D0602 - 05 29 20 1623

LABORATORY ACCREDITATION INFORMATION

TNI Certification ID: OR100062 (Primary Accreditation) - EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



AMENDED REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

EPA ID: OR01039

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Pete Kingston

Report ID:

A0D0602 - 05 29 20 1623

APEX LABS COOLER RECEIPT FORM

Client: Farallon - Issaquah Element WO#: A0 D0602Project/Project #: Centralia Asphalt Plant # 525-031

Delivery Info:

Date/time received: 4/23/20 @ 1036 By: AKKDelivered by: Apex Client ESS FedEx ☒ UPS Swift Senvoy SDS OtherCooler Inspection Date/time inspected: 4/23/20 @ 1036 By: AKKChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.2</u>	<u>1.7</u>					
Received on ice? (Y/N)	<u>Y</u>	<u>Y</u>					
Temp. blanks? (Y/N)	<u>Y</u>	<u>N</u>					
Ice type: (Gel/Real/Other)	<u>Gel & Real</u>	<u>Gel</u>					
Condition:	<u>Good</u>	<u>Good</u>					

Cooler out of temp? (Y/N) ☒ Possible reason why:If some coolers are in temp and some out, were green dots applied to out of temperature samples? Yes/No/NA ☒Out of temperature samples form initiated? Yes/No/NA ☒Samples Inspection Date/time inspected: 4/24/20 @ 13:55 By: MyAll samples intact? Yes ☒ No ☐ Comments:Bottle labels/COCs agree? Yes ☒ No ☐ Comments:COC/container discrepancies form initiated? Yes ☐ No ☐ NA ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments:Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments:

Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐

Comments:

Additional information:

Labeled by: 162 Witness: AKK Cooler Inspected by: NHP Tracking #: 39214578 5830 See Project Contact Form: Y

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Philip Nerenberg, Lab Director



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Tuesday, April 26, 2022

Chantal Banfield

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

RE: A2D0545 - Centralia Asphalt Plant - 525-031

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A2D0545, which was received by the laboratory on 4/13/2022 at 3:45:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: pnerenberg@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1

2.1 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: 525-031

Project Manager: Chantal Banfield

Report ID:

A2D0545 - 04 26 22 1523

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FMW-01-041222	A2D0545-01	Water	04/12/22 11:20	04/13/22 15:45
FMW-02-041222	A2D0545-02	Water	04/12/22 14:00	04/13/22 15:45
FMW-03-041222	A2D0545-03	Water	04/12/22 13:05	04/13/22 15:45
FMW-04-041222	A2D0545-04	Water	04/12/22 12:10	04/13/22 15:45

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Chantal Banfield

Report ID:

A2D0545 - 04 26 22 1523

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
FMW-01-041222 (A2D0545-01)				Matrix: Water		Batch: 22D0865		
Diesel	150	38.5	76.9	ug/L	1	04/22/22 22:08	NWTPH-Dx LL	F-11
Oil	ND	76.9	154	ug/L	1	04/22/22 22:08	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 98 %		Limits: 50-150 %	1	04/22/22 22:08	NWTPH-Dx LL	
FMW-02-041222 (A2D0545-02)				Matrix: Water		Batch: 22D0865		
Diesel	309	38.1	76.2	ug/L	1	04/22/22 22:31	NWTPH-Dx LL	F-11
Oil	ND	76.2	152	ug/L	1	04/22/22 22:31	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 91 %		Limits: 50-150 %	1	04/22/22 22:31	NWTPH-Dx LL	
FMW-03-041222 (A2D0545-03)				Matrix: Water		Batch: 22D0865		
Diesel	120	38.8	77.7	ug/L	1	04/22/22 22:53	NWTPH-Dx LL	F-11
Oil	ND	77.7	155	ug/L	1	04/22/22 22:53	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 102 %		Limits: 50-150 %	1	04/22/22 22:53	NWTPH-Dx LL	
FMW-04-041222 (A2D0545-04)				Matrix: Water		Batch: 22D0865		
Diesel	238	38.5	76.9	ug/L	1	04/22/22 23:16	NWTPH-Dx LL	F-11
Oil	ND	76.9	154	ug/L	1	04/22/22 23:16	NWTPH-Dx LL	
Surrogate: o-Terphenyl (Surr)		Recovery: 102 %		Limits: 50-150 %	1	04/22/22 23:16	NWTPH-Dx LL	

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**Farallon Consulting - Issaquah**

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**Project Number: **525-031**Project Manager: **Chantal Banfield****Report ID:****A2D0545 - 04 26 22 1523****QUALITY CONTROL (QC) SAMPLE RESULTS****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes	
Batch 22D0865 - EPA 3510C (Fuels/Acid Ext.)						Water							
Blank (22D0865-BLK1)			Prepared: 04/22/22 07:10 Analyzed: 04/22/22 20:39										
NWTPH-Dx LL													
Diesel	ND	36.4	72.7	ug/L	1	---	---	---	---	---	---		
Oil	ND	72.7	145	ug/L	1	---	---	---	---	---	---		
Surr: o-Terphenyl (Surr)		Recovery: 105 %		Limits: 50-150 %		Dilution: 1x							
LCS (22D0865-BS1)			Prepared: 04/22/22 07:10 Analyzed: 04/22/22 21:01										
NWTPH-Dx LL													
Diesel	481	40.0	80.0	ug/L	1	500	---	96	36-132%	---	---		
Surr: o-Terphenyl (Surr)		Recovery: 113 %		Limits: 50-150 %		Dilution: 1x							
LCS Dup (22D0865-BSD1)			Prepared: 04/22/22 07:10 Analyzed: 04/22/22 21:23										Q-19
NWTPH-Dx LL													
Diesel	473	40.0	80.0	ug/L	1	500	---	95	36-132%	2	30%		
Surr: o-Terphenyl (Surr)		Recovery: 110 %		Limits: 50-150 %		Dilution: 1x							

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC**

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**Project Number: **525-031**Project Manager: **Chantal Banfield****Report ID:****A2D0545 - 04 26 22 1523****SAMPLE PREPARATION INFORMATION****Diesel and/or Oil Hydrocarbons by NWTPH-Dx**

Prep: EPA 3510C (Fuels/Acid Ext.)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22D0865							
A2D0545-01	Water	NWTPH-Dx LL	04/12/22 11:20	04/22/22 07:43	1040mL/2mL	1000mL/2mL	0.96
A2D0545-02	Water	NWTPH-Dx LL	04/12/22 14:00	04/22/22 07:43	1050mL/2mL	1000mL/2mL	0.95
A2D0545-03	Water	NWTPH-Dx LL	04/12/22 13:05	04/22/22 07:43	1030mL/2mL	1000mL/2mL	0.97
A2D0545-04	Water	NWTPH-Dx LL	04/12/22 12:10	04/22/22 07:43	1040mL/2mL	1000mL/2mL	0.96

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW
Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031
Project Manager: Chantal Banfield

Report ID:

A2D0545 - 04 26 22 1523

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

Apex Laboratories

- F-11 The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- Q-19 Blank Spike Duplicate (BSD) sample analyzed in place of Matrix Spike/Duplicate samples due to limited sample amount available for analysis.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW
Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Chantal Banfield**

Report ID:

A2D0545 - 04 26 22 1523

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as "dry", "wet", or " " (blank) designation.

"dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.
"wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.
" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) may not be included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Chantal Banfield**

Report ID:

A2D0545 - 04 26 22 1523

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW
Issaquah, WA 98027

Project: **Centralia Asphalt Plant**

Project Number: **525-031**

Project Manager: **Chantal Banfield**

Report ID:

A2D0545 - 04 26 22 1523

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation) -

EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
<u>All reported analytes are included in Apex Laboratories' current ORELAP scope.</u>					

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provided by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Chantal Banfield

Report ID:

A2D0545 - 04 26 22 1523

APEX LABS
12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

CHAIN OF CUSTODY

Lab # A200545 COC 1 of 2

Company:	Project Mgr:	Project Name:	Project #:
Farallon	Chantal Banfield	Centralia Asphalt	525-031
Address: 4880 S Macadam Ave #500 Portland, OR		Phone: (206) 466-6226	Fax:
Sampled by: Megan Gehring			
Site Location: OR	ANALYSIS REQUEST		
Other:	Email: <u>ChantalBanfield@farallonconsulting.com</u>		
SAMPLE ID	LAB ID #	DATE	TIME
FMW-01-041222		4/12	1120
FMW-02-041222		1400	
FMW-03-041222		1305	
FMW-04-041222		1210	
TAT Requested (circle) 24 HR 48 HR 72 HR 4 DAY 5 DAY Other: <u>Standard</u>			
SPECIAL INSTRUCTIONS:			
Normal Turn Around Time (TAT) = 5-10 Business Days			
SAMPLES ARE HELD FOR 30 DAYS			
RELINQUISHED BY:	Signature:	Date:	RECEIVED BY:
Megan W	<i>Megan W</i>	4/13/22	Signature:
Printed Name:	Signature:	Date:	RECEIVED BY:
Megan Gehring	<i>Megan W</i>	4/13/22	Signature:
Company: Farallon	Company: Apex	Company: Apex	Company: Apex

Apex Laboratories

Philip Nerenberg

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

Farallon Consulting - Issaquah

975 5th Ave NW

Issaquah, WA 98027

Project: Centralia Asphalt Plant

Project Number: 525-031

Project Manager: Chantal Banfield

Report ID:

A2D0545 - 04 26 22 1523

APEX LABS COOLER RECEIPT FORM

Client: Farallon Element WO#: A2 D0545Project/Project #: Centralia Asphalt/525-031

Delivery Info:

Date/time received: 4/13/22 @ 1545 By: WNODelivered by: Apex ☐ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Swift ☐ Senvoy ☐ SDS ☐ Other ☐Cooler Inspection Date/time inspected: 4/13/22 @ 1545 By: WNOChain of Custody included? Yes ☒ No ☐ Custody seals? Yes ☐ No ☒Signed/dated by client? Yes ☒ No ☐Signed/dated by Apex? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.1</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Gel</u>						
Condition:	<u>Good</u>						

Cooler out of temp? (Y/N) Possible reason why: YesGreen dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐Sample Inspection: Date/time inspected: 4/14/22 @ 14:43 By: KAMAll samples intact? Yes ☒ No ☐ Comments: _____Bottle labels/COCs agree? Yes ☒ No ☐ Comments: _____COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: _____Do VOA vials have visible headspace? Yes ☐ No ☒ NA ☒Comments: KAM 4/14/22Water samples: pH checked: Yes ☒ No ☐ NA ☒ pH appropriate? Yes ☒ No ☐ NA ☐

Comments: _____

Additional information: _____

Labeled by: KAM Witness: HOC Cooler Inspected by: HAS

Apex Laboratories

Philip Nerenberg, Lab Director

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



Fremont
Analytical

3600 Fremont Ave. N.
Seattle, WA 98103
T: (206) 352-3790
F: (206) 352-7178
info@fremontanalytical.com

Farallon Consulting

Pete Kingston
975 5th Ave NW
Issaquah, WA 98027

RE: Formwater Asphalt Plant
Work Order Number: 2206065

June 22, 2022

Attention Pete Kingston:

Fremont Analytical, Inc. received 6 sample(s) on 6/3/2022 for the analyses presented in the following report.

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.
Extractable Petroleum Hydrocarbons by NWEPH
Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)
Sample Moisture (Percent Moisture)
Volatile Organic Compounds by EPA Method 8260D
Volatile Petroleum Hydrocarbons by NWVPH

This report consists of the following:

- Case Narrative
- Analytical Results
- Applicable Quality Control Summary Reports
- Chain of Custody

All analyses were performed consistent with the Quality Assurance program of Fremont Analytical, Inc. Please contact the laboratory if you should have any questions about the results.

Thank you for using Fremont Analytical.

Sincerely,

Brianna Barnes
Project Manager

DoD-ELAP Accreditation #79636 by PJLA, ISO/IEC 17025:2017 and QSM 5.3 for Environmental Testing
ORELAP Certification: WA 100009 (NELAP Recognized) for Environmental Testing
Washington State Department of Ecology Accredited for Environmental Testing, Lab ID C910

Original

www.fremontanalytical.com



Date: 06/22/2022

CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant
Work Order: 2206065

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Date/Time Collected	Date/Time Received
2206065-001	FTP-34-3.0	06/01/2022 10:00 AM	06/03/2022 8:56 AM
2206065-002	FTP-34-6.0	06/01/2022 10:15 AM	06/03/2022 8:56 AM
2206065-003	FTP-34-12.0	06/01/2022 10:25 AM	06/03/2022 8:56 AM
2206065-004	FTP-35-3.0	06/01/2022 9:15 AM	06/03/2022 8:56 AM
2206065-005	FTP-35-7.0	06/01/2022 9:25 AM	06/03/2022 8:56 AM
2206065-006	FTP-35-12.0	06/01/2022 9:35 AM	06/03/2022 8:56 AM

Note: If no "Time Collected" is supplied, a default of 12:00AM is assigned

Original

CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

I. SAMPLE RECEIPT:

Samples receipt information is recorded on the attached Sample Receipt Checklist.

II. GENERAL REPORTING COMMENTS:

Results are reported on a wet weight basis unless dry-weight correction is denoted in the units field on the analytical report ("mg/kg-dry" or "ug/kg-dry").

Matrix Spike (MS) and MS Duplicate (MSD) samples are tested from an analytical batch of "like" matrix to check for possible matrix effect. The MS and MSD will provide site specific matrix data only for those samples which are spiked by the laboratory. The sample chosen for spike purposes may or may not have been a sample submitted in this sample delivery group. The validity of the analytical procedures for which data is reported in this analytical report is determined by the Laboratory Control Sample (LCS) and the Method Blank (MB). The LCS and the MB are processed with the samples and the MS/MSD to ensure method criteria are achieved throughout the entire analytical process.

III. ANALYSES AND EXCEPTIONS:

Exceptions associated with this report will be footnoted in the analytical results page(s) or the quality control summary page(s) and/or noted below.

Qualifiers:

- * - Flagged value is not within established control limits
- B - Analyte detected in the associated Method Blank
- D - Dilution was required
- E - Value above quantitation range
- H - Holding times for preparation or analysis exceeded
- I - Analyte with an internal standard that does not meet established acceptance criteria
- J - Analyte detected below Reporting Limit
- N - Tentatively Identified Compound (TIC)
- Q - Analyte with an initial or continuing calibration that does not meet established acceptance criteria
- S - Spike recovery outside accepted recovery limits
- ND - Not detected at the Reporting Limit
- R - High relative percent difference observed

Acronyms:

- %Rec - Percent Recovery
- CCB - Continued Calibration Blank
- CCV - Continued Calibration Verification
- DF - Dilution Factor
- DUP - Sample Duplicate
- HEM - Hexane Extractable Material
- ICV - Initial Calibration Verification
- LCS/LCSD - Laboratory Control Sample / Laboratory Control Sample Duplicate
- MCL - Maximum Contaminant Level
- MB or MBLANK - Method Blank
- MDL - Method Detection Limit
- MS/MSD - Matrix Spike / Matrix Spike Duplicate
- PDS - Post Digestion Spike
- Ref Val - Reference Value
- REP - Sample Replicate
- RL - Reporting Limit
- RPD - Relative Percent Difference
- SD - Serial Dilution
- SGT - Silica Gel Treatment
- SPK - Spike
- Surr - Surrogate



Client: Farallon Consulting

Collection Date: 6/1/2022 10:00:00 AM

Project: Formwater Asphalt Plant

Lab ID: 2206065-001

Matrix: Soil

Client Sample ID: FTP-34-3.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 36729

Analyst: MM

Diesel (Fuel Oil)	ND	57.9		mg/Kg-dry	1	6/8/2022 2:26:57 PM
Heavy Oil	ND	116		mg/Kg-dry	1	6/8/2022 2:26:57 PM
Total Petroleum Hydrocarbons	ND	174		mg/Kg-dry	1	6/8/2022 2:26:57 PM
Surr: 2-Fluorobiphenyl	70.2	50 - 150		%Rec	1	6/8/2022 2:26:57 PM
Surr: o-Terphenyl	68.6	50 - 150		%Rec	1	6/8/2022 2:26:57 PM

Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 36681

Analyst: SB

Aliphatic Hydrocarbon (C8-C10)	ND	20.7		mg/Kg-dry	1	6/17/2022 7:24:50 PM
Aliphatic Hydrocarbon (C10-C12)	ND	10.3		mg/Kg-dry	1	6/17/2022 7:24:50 PM
Aliphatic Hydrocarbon (C12-C16)	ND	10.3		mg/Kg-dry	1	6/17/2022 7:24:50 PM
Aliphatic Hydrocarbon (C16-C21)	ND	10.3		mg/Kg-dry	1	6/17/2022 7:24:50 PM
Aliphatic Hydrocarbon (C21-C34)	ND	10.3		mg/Kg-dry	1	6/17/2022 7:24:50 PM
Aromatic Hydrocarbon (C8-C10)	ND	20.7		mg/Kg-dry	1	6/20/2022 2:58:18 PM
Aromatic Hydrocarbon (C10-C12)	ND	10.3		mg/Kg-dry	1	6/20/2022 2:58:18 PM
Aromatic Hydrocarbon (C12-C16)	ND	10.3		mg/Kg-dry	1	6/20/2022 2:58:18 PM
Aromatic Hydrocarbon (C16-C21)	ND	10.3		mg/Kg-dry	1	6/20/2022 2:58:18 PM
Aromatic Hydrocarbon (C21-C34)	ND	10.3		mg/Kg-dry	1	6/20/2022 2:58:18 PM
Surr: 1-Chlorooctadecane	88.2	50 - 150		%Rec	1	6/17/2022 7:24:50 PM
Surr: o-Terphenyl	103	50 - 150		%Rec	1	6/20/2022 2:58:18 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 36742

Analyst: OK

Naphthalene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
2-Methylnaphthalene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
1-Methylnaphthalene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Acenaphthylene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Acenaphthene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Fluorene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Phenanthrene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Anthracene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Fluoranthene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Pyrene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Benz(a)anthracene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Chrysene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Benzo(b)fluoranthene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Benzo(k)fluoranthene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Benzo(a)pyrene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Indeno(1,2,3-cd)pyrene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM



Client: Farallon Consulting

Collection Date: 6/1/2022 10:00:00 AM

Project: Formwater Asphalt Plant

Lab ID: 2206065-001

Matrix: Soil

Client Sample ID: FTP-34-3.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 36742

Analyst: OK

Dibenz(a,h)anthracene	ND	44.6		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Benzo(g,h,i)perylene	ND	22.3		µg/Kg-dry	1	6/9/2022 10:31:56 PM
Surr: 2-Fluorobiphenyl	80.0	29.6 - 130		%Rec	1	6/9/2022 10:31:56 PM
Surr: Terphenyl-d14 (surr)	83.7	38 - 145		%Rec	1	6/9/2022 10:31:56 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 36704

Analyst: MVB

1,2-Dichloroethane (EDC)	ND	0.0252		mg/Kg-dry	1	6/7/2022 12:26:31 PM
Benzene	ND	0.0219		mg/Kg-dry	1	6/7/2022 12:26:31 PM
Toluene	ND	0.0328		mg/Kg-dry	1	6/7/2022 12:26:31 PM
1,2-Dibromoethane (EDB)	ND	0.0109		mg/Kg-dry	1	6/7/2022 12:26:31 PM
Ethylbenzene	ND	0.0274		mg/Kg-dry	1	6/7/2022 12:26:31 PM
m,p-Xylene	ND	0.0547		mg/Kg-dry	1	6/7/2022 12:26:31 PM
o-Xylene	ND	0.0274		mg/Kg-dry	1	6/7/2022 12:26:31 PM
Surr: Dibromofluoromethane	102	80 - 120		%Rec	1	6/7/2022 12:26:31 PM
Surr: Toluene-d8	107	80 - 120		%Rec	1	6/7/2022 12:26:31 PM
Surr: 1-Bromo-4-fluorobenzene	95.2	80 - 120		%Rec	1	6/7/2022 12:26:31 PM

Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 36768

Analyst: SG

Aliphatic Hydrocarbon (C5-C6)	ND	2.64		mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aliphatic Hydrocarbon (C6-C8)	ND	1.59		mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aliphatic Hydrocarbon (C8-C10)	ND	2.64		mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aliphatic Hydrocarbon (C10-C12)	1.75	0.529		mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aromatic Hydrocarbon (C8-C10)	ND	3.17		mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aromatic Hydrocarbon (C10-C12)	4.04	0.529	Q	mg/Kg-dry	1	6/11/2022 12:56:17 PM
Aromatic Hydrocarbon (C12-C13)	37.8	0.529	Q	mg/Kg-dry	1	6/11/2022 12:56:17 PM
Surr: 1,4-Difluorobenzene	88.9	60 - 140		%Rec	1	6/11/2022 12:56:17 PM
Surr: Bromofluorobenzene	95.5	60 - 140		%Rec	1	6/11/2022 12:56:17 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria for Aromatic Hydrocarbon (C10-C12) & Aromatic Hydrocarbon (C12-C13). Results may be biased high.

Q - Initial calibration verification for Aromatic Hydrocarbon (C12-C13) exceeds acceptance criteria. Results may be biased high.

Sample Moisture (Percent Moisture)

Batch ID: R75977

Analyst: AK

Percent Moisture	18.6	0.500		wt%	1	6/8/2022 9:21:24 AM
------------------	------	-------	--	-----	---	---------------------



Client: Farallon Consulting

Collection Date: 6/1/2022 10:25:00 AM

Project: Formwater Asphalt Plant

Lab ID: 2206065-003

Matrix: Soil

Client Sample ID: FTP-34-12.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Batch ID: 36729

Analyst: MM

Diesel (Fuel Oil)	ND	55.4		mg/Kg-dry	1	6/8/2022 3:00:15 PM
Heavy Oil	ND	111		mg/Kg-dry	1	6/8/2022 3:00:15 PM
Total Petroleum Hydrocarbons	ND	166		mg/Kg-dry	1	6/8/2022 3:00:15 PM
Surr: 2-Fluorobiphenyl	73.9	50 - 150		%Rec	1	6/8/2022 3:00:15 PM
Surr: o-Terphenyl	78.1	50 - 150		%Rec	1	6/8/2022 3:00:15 PM

Extractable Petroleum Hydrocarbons by NWEPH

Batch ID: 36681

Analyst: SB

Aliphatic Hydrocarbon (C8-C10)	ND	22.0		mg/Kg-dry	1	6/17/2022 7:48:33 PM
Aliphatic Hydrocarbon (C10-C12)	ND	11.0		mg/Kg-dry	1	6/17/2022 7:48:33 PM
Aliphatic Hydrocarbon (C12-C16)	ND	11.0		mg/Kg-dry	1	6/17/2022 7:48:33 PM
Aliphatic Hydrocarbon (C16-C21)	ND	11.0		mg/Kg-dry	1	6/17/2022 7:48:33 PM
Aliphatic Hydrocarbon (C21-C34)	ND	11.0		mg/Kg-dry	1	6/17/2022 7:48:33 PM
Aromatic Hydrocarbon (C8-C10)	ND	22.0		mg/Kg-dry	1	6/20/2022 3:22:00 PM
Aromatic Hydrocarbon (C10-C12)	ND	11.0		mg/Kg-dry	1	6/20/2022 3:22:00 PM
Aromatic Hydrocarbon (C12-C16)	ND	11.0		mg/Kg-dry	1	6/20/2022 3:22:00 PM
Aromatic Hydrocarbon (C16-C21)	ND	11.0		mg/Kg-dry	1	6/20/2022 3:22:00 PM
Aromatic Hydrocarbon (C21-C34)	ND	11.0		mg/Kg-dry	1	6/20/2022 3:22:00 PM
Surr: 1-Chlorooctadecane	89.2	50 - 150		%Rec	1	6/17/2022 7:48:33 PM
Surr: o-Terphenyl	111	50 - 150		%Rec	1	6/20/2022 3:22:00 PM

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 36742

Analyst: OK

Naphthalene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
2-Methylnaphthalene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
1-Methylnaphthalene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Acenaphthylene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Acenaphthene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Fluorene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Phenanthrene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Anthracene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Fluoranthene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Pyrene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Benz(a)anthracene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Chrysene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Benzo(b)fluoranthene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Benzo(k)fluoranthene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Benzo(a)pyrene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Indeno(1,2,3-cd)pyrene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM



Client: Farallon Consulting

Collection Date: 6/1/2022 10:25:00 AM

Project: Formwater Asphalt Plant

Lab ID: 2206065-003

Matrix: Soil

Client Sample ID: FTP-34-12.0

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
----------	--------	----	------	-------	----	---------------

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Batch ID: 36742

Analyst: OK

Dibenz(a,h)anthracene	ND	38.3		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Benzo(g,h,i)perylene	ND	19.1		µg/Kg-dry	1	6/9/2022 11:00:25 PM
Surr: 2-Fluorobiphenyl	92.5	29.6 - 130		%Rec	1	6/9/2022 11:00:25 PM
Surr: Terphenyl-d14 (surr)	94.5	38 - 145		%Rec	1	6/9/2022 11:00:25 PM

Volatile Organic Compounds by EPA Method 8260D

Batch ID: 36720

Analyst: MVB

1,2-Dichloroethane (EDC)	ND	0.0173		mg/Kg-dry	1	6/7/2022 4:25:16 PM
Benzene	ND	0.0150		mg/Kg-dry	1	6/7/2022 4:25:16 PM
Toluene	ND	0.0225		mg/Kg-dry	1	6/7/2022 4:25:16 PM
1,2-Dibromoethane (EDB)	ND	0.00751		mg/Kg-dry	1	6/7/2022 4:25:16 PM
Ethylbenzene	ND	0.0188		mg/Kg-dry	1	6/7/2022 4:25:16 PM
m,p-Xylene	ND	0.0376		mg/Kg-dry	1	6/7/2022 4:25:16 PM
o-Xylene	ND	0.0188		mg/Kg-dry	1	6/7/2022 4:25:16 PM
Surr: Dibromofluoromethane	91.1	80 - 120		%Rec	1	6/7/2022 4:25:16 PM
Surr: Toluene-d8	98.9	80 - 120		%Rec	1	6/7/2022 4:25:16 PM
Surr: 1-Bromo-4-fluorobenzene	100	80 - 120		%Rec	1	6/7/2022 4:25:16 PM

Volatile Petroleum Hydrocarbons by NWVPH

Batch ID: 36768

Analyst: SG

Aliphatic Hydrocarbon (C5-C6)	ND	2.07		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aliphatic Hydrocarbon (C6-C8)	ND	1.24		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aliphatic Hydrocarbon (C8-C10)	ND	2.07		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aliphatic Hydrocarbon (C10-C12)	ND	0.413		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aromatic Hydrocarbon (C8-C10)	ND	2.48		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aromatic Hydrocarbon (C10-C12)	ND	0.413		mg/Kg-dry	1	6/11/2022 2:58:37 PM
Aromatic Hydrocarbon (C12-C13)	2.51	0.413	BQ	mg/Kg-dry	1	6/11/2022 2:58:37 PM
Surr: 1,4-Difluorobenzene	90.0	60 - 140		%Rec	1	6/11/2022 2:58:37 PM
Surr: Bromofluorobenzene	96.0	60 - 140		%Rec	1	6/11/2022 2:58:37 PM

NOTES:

Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria for Aromatic Hydrocarbon (C12-C13). Results may be biased high.

Q - Initial calibration verification for Aromatic Hydrocarbon (C12-C13) exceeds acceptance criteria. Results may be biased high.

Sample Moisture (Percent Moisture)

Batch ID: R75977

Analyst: AK

Percent Moisture	12.3	0.500		wt%	1	6/8/2022 9:21:24 AM
------------------	------	-------	--	-----	---	---------------------

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: MB-36729		SampType: MBLK			Units: mg/Kg		Prep Date: 6/8/2022			RunNo: 75990		
Client ID: MBLKS		Batch ID: 36729			Analysis Date: 6/8/2022					SeqNo: 1558311		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Diesel (Fuel Oil)	ND	50.0									
Heavy Oil	ND	100									
Total Petroleum Hydrocarbons	ND	150									
Surr: 2-Fluorobiphenyl	9.09		10.00		90.9	50	150				
Surr: o-Terphenyl	9.81		10.00		98.1	50	150				

Sample ID: LCS-36729		SampType: LCS			Units: mg/Kg		Prep Date: 6/8/2022			RunNo: 75989		
Client ID: LCSS		Batch ID: 36729			Analysis Date: 6/8/2022			SeqNo: 1558331				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Petroleum Hydrocarbons	591	150	500.0	0	118	76.1	133				
Surr: 2-Fluorobiphenyl	10.0		10.00		100	50	150				
Surr: o-Terphenyl	11.4		10.00		114	50	150				

Sample ID: 2206134-001ADUP		SampType: DUP			Units: mg/Kg-dry		Prep Date: 6/8/2022		RunNo: 75989		
Client ID: BATCH		Batch ID: 36729			Analysis Date: 6/8/2022				SeqNo: 1558332		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Diesel (Fuel Oil)	ND	50.6						0		30	
Heavy Oil	ND	101						0		30	
Total Petroleum Hydrocarbons	ND	152						0		30	
Surr: 2-Fluorobiphenyl	7.38		10.11		73.0	50	150		0		
Surr: o-Terphenyl	7.96		10.11		78.7	50	150		0		

Sample ID: 2206065-001AMS		SampType: MS			Units: mg/Kg-dry		Prep Date: 6/8/2022			RunNo: 75989		
Client ID: FTP-34-3.0		Batch ID: 36729			Analysis Date: 6/8/2022			SeqNo: 1558340				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Petroleum Hydrocarbons	513	168	559.7	0	91.7	62.2	146				
------------------------------	-----	-----	-------	---	------	------	-----	--	--	--	--

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Diesel and Heavy Oil by NWTPH-Dx/Dx Ext.

Sample ID: 2206065-001AMS		SampType: MS			Units: mg/Kg-dry		Prep Date: 6/8/2022			RunNo: 75989		
Client ID: FTP-34-3.0		Batch ID: 36729			Analysis Date: 6/8/2022			SeqNo: 1558340				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Surr: 2-Fluorobiphenyl	6.90		11.19		61.6	50	150				
Surr: o-Terphenyl	9.31		11.19		83.2	50	150				

Sample ID: 2206065-001AMSD		SampType: MSD			Units: mg/Kg-dry		Prep Date: 6/8/2022			RunNo: 75989		
Client ID: FTP-34-3.0		Batch ID: 36729			Analysis Date: 6/8/2022			SeqNo: 1558341				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual	

Total Petroleum Hydrocarbons	736	172	572.2	0	129	62.2	146	512.9	35.8	30	R
Surr: 2-Fluorobiphenyl	8.49		11.44		74.2	50	150		0		
Surr: o-Terphenyl	11.8		11.44		103	50	150		0		

NOTES:

R - High RPD observed, spike recovery is within range.

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: LCS-36681	SampType: LCS	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76293		
Client ID: LCSS	Batch ID: 36681	Analysis Date: 6/17/2022							SeqNo: 1565369		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	106	20.0	250.0	0	42.5	15.9	130				
Aliphatic Hydrocarbon (C10-C12)	101	10.0	125.0	0	81.1	70	130				
Aliphatic Hydrocarbon (C12-C16)	107	10.0	125.0	0	85.3	70	130				
Aliphatic Hydrocarbon (C16-C21)	107	10.0	125.0	0	85.8	70	130				
Aliphatic Hydrocarbon (C21-C34)	89.7	10.0	125.0	0	71.8	70	130				
Surr: 1-Chlorooctadecane	93.9		100.0		93.9	50	150				

Sample ID: LCSD-36681	SampType: LCSD	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76293		
Client ID: LCSS02	Batch ID: 36681	Analysis Date: 6/17/2022							SeqNo: 1565370		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	128	20.0	250.0	0	51.3	15.9	130	106.2	18.7	20	
Aliphatic Hydrocarbon (C10-C12)	103	10.0	125.0	0	82.6	70	130	101.4	1.81	20	
Aliphatic Hydrocarbon (C12-C16)	119	10.0	125.0	0	95.5	70	130	106.7	11.3	20	
Aliphatic Hydrocarbon (C16-C21)	114	10.0	125.0	0	91.2	70	130	107.2	6.05	20	
Aliphatic Hydrocarbon (C21-C34)	105	10.0	125.0	0	83.7	70	130	89.72	15.3	20	
Surr: 1-Chlorooctadecane	94.5		100.0		94.5	50	150		0		

Sample ID: MB-36681	SampType: MBLK	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76294		
Client ID: MBLKS	Batch ID: 36681	Analysis Date: 6/20/2022						SeqNo: 1565405			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	ND	20.0									
Aromatic Hydrocarbon (C10-C12)	ND	10.0									
Aromatic Hydrocarbon (C12-C16)	ND	10.0									
Aromatic Hydrocarbon (C16-C21)	ND	10.0									
Aromatic Hydrocarbon (C21-C34)	ND	10.0									
Surr: o-Terphenyl	117		100.0		117	50	150				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: LCS-36681	SampType: LCS	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76294		
Client ID: LCSS	Batch ID: 36681	Analysis Date: 6/20/2022						SeqNo: 1565406			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	146	20.0	250.0	0	58.3	24	130				
Aromatic Hydrocarbon (C10-C12)	105	10.0	125.0	0	83.8	70	130				
Aromatic Hydrocarbon (C12-C16)	116	10.0	125.0	0	92.7	70	130				
Aromatic Hydrocarbon (C16-C21)	121	10.0	125.0	0	97.2	70	130				
Aromatic Hydrocarbon (C21-C34)	112	10.0	125.0	0	89.3	70	130				
Surr: o-Terphenyl	115		100.0		115	50	150				

Sample ID: LCSD-36681	SampType: LCSD	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76294		
Client ID: LCSS02	Batch ID: 36681	Analysis Date: 6/20/2022							SeqNo: 1565407		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	159	20.0	250.0	0	63.6	24	130	145.7	8.63	20	
Aromatic Hydrocarbon (C10-C12)	116	10.0	125.0	0	92.8	70	130	104.7	10.3	20	
Aromatic Hydrocarbon (C12-C16)	124	10.0	125.0	0	98.8	70	130	115.8	6.40	20	
Aromatic Hydrocarbon (C16-C21)	125	10.0	125.0	0	99.8	70	130	121.4	2.71	20	
Aromatic Hydrocarbon (C21-C34)	112	10.0	125.0	0	89.8	70	130	111.6	0.616	20	
Surr: o-Terphenyl	115		100.0		115	50	150		0		

Sample ID: 2206065-001AMS	SampType: MS	Units: mg/Kg-dry				Prep Date: 6/3/2022			RunNo: 76293		
Client ID: FTP-34-3.0	Batch ID: 36681					Analysis Date: 6/20/2022			SeqNo: 1565378		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	126	21.7	271.4	0	46.4	5	130				
Aliphatic Hydrocarbon (C10-C12)	103	10.9	135.7	4.827	72.7	70	130				
Aliphatic Hydrocarbon (C12-C16)	112	10.9	135.7	7.649	76.7	70	130				
Aliphatic Hydrocarbon (C16-C21)	109	10.9	135.7	0	80.5	70	130				
Aliphatic Hydrocarbon (C21-C34)	114	10.9	135.7	0	84.1	70	130				
Surr: 1-Chlorooctadecane	87.3		108.6		80.4	50	150				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: 2206065-001AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/3/2022		RunNo: 76293			
Client ID: FTP-34-3.0		Batch ID: 36681				Analysis Date: 6/20/2022		SeqNo: 1565379			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	110	19.4	242.9	0	45.2	5	130	125.9	13.7	30	
Aliphatic Hydrocarbon (C10-C12)	89.6	9.72	121.4	4.827	69.8	70	130	103.4	14.3	30	S
Aliphatic Hydrocarbon (C12-C16)	104	9.72	121.4	7.649	79.5	70	130	111.7	6.94	30	
Aliphatic Hydrocarbon (C16-C21)	102	9.72	121.4	0	84.1	70	130	109.3	6.80	30	
Aliphatic Hydrocarbon (C21-C34)	103	9.72	121.4	0	85.0	70	130	114.2	10.0	30	
Surr: 1-Chlorooctadecane	81.9		97.16		84.3	50	150		0		

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed and recovered within range.

Sample ID: 2206065-001AMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 6/3/2022		RunNo: 76294			
Client ID: FTP-34-3.0		Batch ID: 36681				Analysis Date: 6/20/2022		SeqNo: 1565413			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	132	21.7	271.4	0	48.5	14	130				
Aromatic Hydrocarbon (C10-C12)	89.4	10.9	135.7	0	65.9	70	130				S
Aromatic Hydrocarbon (C12-C16)	102	10.9	135.7	0	75.1	70	130				
Aromatic Hydrocarbon (C16-C21)	121	10.9	135.7	0	89.2	70	130				
Aromatic Hydrocarbon (C21-C34)	113	10.9	135.7	0	83.0	70	130				
Surr: o-Terphenyl	106		108.6		97.2	50	150				

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: 2206065-001AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/3/2022		RunNo: 76294			
Client ID: FTP-34-3.0		Batch ID: 36681				Analysis Date: 6/20/2022		SeqNo: 1565414			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aromatic Hydrocarbon (C8-C10)	116	19.4	242.9	0	47.6	14	130	131.7	13.1	30	
Aromatic Hydrocarbon (C10-C12)	81.3	9.72	121.4	0	66.9	70	130	89.41	9.54	30	S
Aromatic Hydrocarbon (C12-C16)	94.4	9.72	121.4	0	77.7	70	130	101.9	7.73	30	
Aromatic Hydrocarbon (C16-C21)	101	9.72	121.4	0	82.9	70	130	121.0	18.4	30	
Aromatic Hydrocarbon (C21-C34)	93.5	9.72	121.4	0	77.0	70	130	112.6	18.5	30	
Surr: o-Terphenyl	92.7		97.16		95.4	50	150		0		

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Extractable Petroleum Hydrocarbons by NWEPH

Sample ID: 2206065-001AMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/3/2022		RunNo: 76294			
Client ID: FTP-34-3.0		Batch ID: 36681				Analysis Date: 6/20/2022		SeqNo: 1565414			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

NOTES:

S - Outlying spike recovery(ies) observed. A duplicate analysis was performed with similar results indicating a possible matrix effect.

Sample ID: MB-36681	SampType: MBLK	Units: mg/Kg				Prep Date: 6/3/2022			RunNo: 76293		
Client ID: MBLKS	Batch ID: 36681	Analysis Date: 6/21/2022							SeqNo: 1565590		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C8-C10)	ND	20.0									
Aliphatic Hydrocarbon (C10-C12)	ND	10.0									
Aliphatic Hydrocarbon (C12-C16)	ND	10.0									
Aliphatic Hydrocarbon (C16-C21)	ND	10.0									
Aliphatic Hydrocarbon (C21-C34)	ND	10.0									
Surr: 1-Chlorooctadecane	74.9		100.0		74.9	50	150				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: MB-36742	SampType: MBLK	Units: µg/Kg			Prep Date: 6/8/2022			RunNo: 76053			
Client ID: MBLKS	Batch ID: 36742	Analysis Date: 6/9/2022						SeqNo: 1559549			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	ND	20.0									
2-Methylnaphthalene	ND	20.0									
1-Methylnaphthalene	ND	20.0									
Acenaphthylene	ND	20.0									
Acenaphthene	ND	20.0									
Fluorene	ND	20.0									
Phenanthrene	ND	40.0									
Anthracene	ND	40.0									
Fluoranthene	ND	40.0									
Pyrene	ND	40.0									
BenZ(a)anthracene	ND	20.0									
Chrysene	ND	40.0									
Benzo(b)fluoranthene	ND	20.0									
Benzo(k)fluoranthene	ND	20.0									
Benzo(a)pyrene	ND	20.0									
Indeno(1,2,3-cd)pyrene	ND	40.0									
Dibenz(a,h)anthracene	ND	40.0									
Benzo(g,h,i)perylene	ND	20.0									
Surr: 2-Fluorobiphenyl	1,120		1,000		112	29.6	130				
Surr: Terphenyl-d14 (surr)	1,190		1,000		119	38	145				

Sample ID: LCS-36742	SampType: LCS	Units: µg/Kg				Prep Date: 6/8/2022			RunNo: 76053		
Client ID: LCSS	Batch ID: 36742					Analysis Date: 6/9/2022			SeqNo: 1559550		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,970	20.0	2,000	0	98.3	60.2	119				
2-Methylnaphthalene	1,960	20.0	2,000	0	98.2	60.4	121				
1-Methylnaphthalene	1,940	20.0	2,000	0	97.1	62	119				
Acenaphthylene	1,900	20.0	2,000	0	95.1	58.5	120				
Acenaphthene	2,000	20.0	2,000	0	100	57.8	117				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: LCS-36742	SampType: LCS	Units: µg/Kg				Prep Date: 6/8/2022			RunNo: 76053		
Client ID: LCSS	Batch ID: 36742					Analysis Date: 6/9/2022			SeqNo: 1559550		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Fluorene	2,030	20.0	2,000	0	102	60.3	122				
Phenanthrene	1,980	40.0	2,000	0	99.1	58.6	120				
Anthracene	2,020	40.0	2,000	0	101	58.1	122				
Fluoranthene	2,040	40.0	2,000	0	102	61.8	123				
Pyrene	2,050	40.0	2,000	0	102	59.8	122				
Benz(a)anthracene	2,030	20.0	2,000	0	102	62.7	123				
Chrysene	1,980	40.0	2,000	0	99.0	56.2	123				
Benzo(b)fluoranthene	1,960	20.0	2,000	0	98.0	56.6	126				
Benzo(k)fluoranthene	2,010	20.0	2,000	0	100	56.9	131				
Benzo(a)pyrene	1,860	20.0	2,000	0	93.1	63.8	134				
Indeno(1,2,3-cd)pyrene	2,070	40.0	2,000	0	104	59.3	122				
Dibenz(a,h)anthracene	2,020	40.0	2,000	0	101	60.4	125				
Benzo(g,h,i)perylene	1,950	20.0	2,000	0	97.7	52.7	126				
Surr: 2-Fluorobiphenyl	1,140		1,000		114	29.6	130				
Surr: Terphenyl-d14 (surr)	1,200		1,000		120	38	145				

Sample ID: 2206056-012AMSD	SampType: MSD	Units: µg/Kg-dry				Prep Date: 6/8/2022			RunNo: 76053		
Client ID: BATCH	Batch ID: 36742	Analysis Date: 6/9/2022							SeqNo: 1559558		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,560	21.4	2,139	0	72.9	30.2	123	1,562	0.265	30	
2-Methylnaphthalene	1,590	21.4	2,139	0	74.4	40.9	115	1,580	0.743	30	
1-Methylnaphthalene	1,570	21.4	2,139	0	73.6	35.6	121	1,576	0.104	30	
Acenaphthylene	1,530	21.4	2,139	0	71.4	37.6	117	1,510	1.14	30	
Acenaphthene	1,580	21.4	2,139	0	73.8	35.6	115	1,596	1.08	30	
Fluorene	1,610	21.4	2,139	0	75.3	38.8	119	1,608	0.189	30	
Phenanthrene	1,580	42.8	2,139	0	73.8	32.8	120	1,576	0.128	30	
Anthracene	1,600	42.8	2,139	0	75.0	33.7	122	1,548	3.53	30	
Fluoranthene	1,640	42.8	2,139	13.92	75.8	37.5	124	1,616	1.20	30	
Pyrene	1,650	42.8	2,139	16.32	76.1	34	122	1,631	0.856	30	

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2206056-012AMSD		SampType: MSD		Units: µg/Kg-dry		Prep Date: 6/8/2022			RunNo: 76053		
Client ID: BATCH		Batch ID: 36742					Analysis Date: 6/9/2022			SeqNo: 1559558	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benz(a)anthracene	1,630	21.4	2,139	11.95	75.6	34.7	127	1,600	1.73	30	
Chrysene	1,570	42.8	2,139	9.172	72.9	33.4	120	1,584	0.999	30	
Benzo(b)fluoranthene	1,610	21.4	2,139	10.81	74.8	31.8	125	1,553	3.65	30	
Benzo(k)fluoranthene	1,520	21.4	2,139	4.057	70.9	30.2	129	1,556	2.36	30	
Benzo(a)pyrene	1,460	21.4	2,139	8.810	67.9	31.3	139	1,417	3.09	30	
Indeno(1,2,3-cd)pyrene	1,610	42.8	2,139	0	75.5	22.8	126	1,600	0.960	30	
Dibenz(a,h)anthracene	1,570	42.8	2,139	0	73.3	28.1	127	1,566	0.206	30	
Benzo(g,h,i)perylene	1,520	21.4	2,139	6.946	70.6	18.7	125	1,493	1.60	30	
Surr: 2-Fluorobiphenyl	914		1,070		85.4	29.6	130		0		
Surr: Terphenyl-d14 (surr)	943		1,070		88.2	38	145		0		

Sample ID: 2206056-012AMS		SampType: MS		Units: µg/Kg-dry		Prep Date: 6/8/2022			RunNo: 76053		
Client ID: BATCH		Batch ID: 36742					Analysis Date: 6/10/2022			SeqNo: 1559569	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Naphthalene	1,560	21.5	2,149	0	72.7	30.2	123				
2-Methylnaphthalene	1,580	21.5	2,149	0	73.5	40.9	115				
1-Methylnaphthalene	1,580	21.5	2,149	0	73.3	35.6	121				
Acenaphthylene	1,510	21.5	2,149	0	70.2	37.6	117				
Acenaphthene	1,600	21.5	2,149	0	74.2	35.6	115				
Fluorene	1,610	21.5	2,149	0	74.8	38.8	119				
Phenanthrene	1,580	43.0	2,149	0	73.3	32.8	120				
Anthracene	1,550	43.0	2,149	0	72.0	33.7	122				
Fluoranthene	1,620	43.0	2,149	13.92	74.5	37.5	124				
Pyrene	1,630	43.0	2,149	16.32	75.1	34	122				
Benz(a)anthracene	1,600	21.5	2,149	11.95	73.9	34.7	127				
Chrysene	1,580	43.0	2,149	9.172	73.3	33.4	120				
Benzo(b)fluoranthene	1,550	21.5	2,149	10.81	71.8	31.8	125				
Benzo(k)fluoranthene	1,560	21.5	2,149	4.057	72.2	30.2	129				
Benzo(a)pyrene	1,420	21.5	2,149	8.810	65.5	31.3	139				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Polyaromatic Hydrocarbons by EPA Method 8270 (SIM)

Sample ID: 2206056-012AMS		SampType: MS		Units: µg/Kg-dry		Prep Date: 6/8/2022			RunNo: 76053		
Client ID: BATCH		Batch ID: 36742					Analysis Date: 6/10/2022			SeqNo: 1559569	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Indeno(1,2,3-cd)pyrene	1,600	43.0	2,149	0	74.4	22.8	126				
Dibenz(a,h)anthracene	1,570	43.0	2,149	0	72.9	28.1	127				
Benzo(g,h,i)perylene	1,490	21.5	2,149	6.946	69.1	18.7	125				
Surr: 2-Fluorobiphenyl	913		1,075		85.0	29.6	130				
Surr: Terphenyl-d14 (surr)	945		1,075		87.9	38	145				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-36720	SampType: LCS	Units: µg/L				Prep Date: 6/7/2022			RunNo: 75958		
Client ID: LCSS	Batch ID: 36720	Analysis Date: 6/7/2022						SeqNo: 1557785			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	0.924	0.0230	1.000	0	92.4	80	120				
Benzene	0.961	0.0200	1.000	0	96.1	80	120				
Toluene	0.956	0.0300	1.000	0	95.6	80	120				
1,2-Dibromoethane (EDB)	0.917	0.0100	1.000	0	91.7	80	120				
Ethylbenzene	0.986	0.0250	1.000	0	98.6	80	120				
m,p-Xylene	2.00	0.0500	2.000	0	100	80	120				
o-Xylene	0.997	0.0250	1.000	0	99.7	80	120				
Surr: Dibromofluoromethane	1.16		1.250		92.8	80	120				
Surr: Toluene-d8	1.25		1.250		100	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.28		1.250		103	80	120				

Sample ID: MB-36720	SampType: MBLK	Units: mg/Kg			Prep Date: 6/7/2022			RunNo: 75958			
Client ID: MBLKS	Batch ID: 36720				Analysis Date: 6/7/2022			SeqNo: 1557784			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Toluene	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	1.22		1.250		97.9	80	120				
Surr: Toluene-d8	1.27		1.250		102	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.20		1.250		96.1	80	120				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2206065-003BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 6/7/2022			RunNo: 75958		
Client ID: FTP-34-12.0		Batch ID: 36720				Analysis Date: 6/7/2022			SeqNo: 1558280		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0173						0		30	
Benzene	ND	0.0150						0		30	
Toluene	ND	0.0225						0		30	
1,2-Dibromoethane (EDB)	ND	0.00751						0		30	
Ethylbenzene	ND	0.0188						0		30	
m,p-Xylene	ND	0.0376						0		30	
o-Xylene	ND	0.0188						0		30	
Surr: Dibromofluoromethane	0.846		0.9390		90.1	80	120		0		
Surr: Toluene-d8	0.927		0.9390		98.7	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	0.950		0.9390		101	80	120		0		

Sample ID: 2206065-004BDUP		SampType: DUP		Units: mg/Kg		Prep Date: 6/7/2022			RunNo: 75958		
Client ID: FTP-35-3.0		Batch ID: 36720					Analysis Date: 6/7/2022			SeqNo: 1558282	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0204						0		30	
Benzene	ND	0.0178						0		30	
Toluene	ND	0.0267						0		30	
1,2-Dibromoethane (EDB)	ND	0.00888						0		30	
Ethylbenzene	ND	0.0222						0		30	
m,p-Xylene	ND	0.0444						0		30	
o-Xylene	ND	0.0222						0		30	
Surr: Dibromofluoromethane	0.901		1.110		81.1	80	120		0		
Surr: Toluene-d8	1.11		1.110		99.6	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.12		1.110		101	80	120		0		

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2206081-016BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 6/7/2022			RunNo: 75958		
Client ID: BATCH		Batch ID: 36720		Analysis Date: 6/8/2022					SeqNo: 1558295		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	1.19	0.0293	1.274	0	93.6	73.9	128				
Benzene	1.29	0.0255	1.274	0	101	76.9	128				
Toluene	1.28	0.0382	1.274	0.007610	100	79.5	127				
1,2-Dibromoethane (EDB)	1.16	0.0127	1.274	0	91.0	76	126				
Ethylbenzene	1.29	0.0319	1.274	0	101	81.6	130				
m,p-Xylene	2.59	0.0637	2.548	0	102	80.6	128				
o-Xylene	1.28	0.0319	1.274	0.007437	100	80.1	126				
Surr: Dibromofluoromethane	1.59		1.593		100	80	120				
Surr: Toluene-d8	1.64		1.593		103	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.67		1.593		105	80	120				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: LCS-36704	SampType: LCS	Units: µg/L				Prep Date: 6/6/2022			RunNo: 75929		
Client ID: LCSS	Batch ID: 36704	Analysis Date: 6/6/2022						SeqNo: 1557304			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	1.02	0.0230	1.000	0	102	80	120				
Benzene	1.04	0.0200	1.000	0	104	80	120				
Toluene	1.07	0.0300	1.000	0	107	80	120				
1,2-Dibromoethane (EDB)	1.01	0.0100	1.000	0	101	80	120				
Ethylbenzene	0.998	0.0250	1.000	0	99.8	80	120				
m,p-Xylene	2.00	0.0500	2.000	0	100	80	120				
o-Xylene	0.966	0.0250	1.000	0	96.6	80	120				
Surr: Dibromofluoromethane	1.28		1.250		102	80	120				
Surr: Toluene-d8	1.32		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.30		1.250		104	80	120				

Sample ID: MB-36704	SampType: MBLK	Units: mg/Kg			Prep Date: 6/6/2022			RunNo: 75929			
Client ID: MBLKS	Batch ID: 36704				Analysis Date: 6/6/2022			SeqNo: 1557303			
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0230									
Benzene	ND	0.0200									
Toluene	ND	0.0300									
1,2-Dibromoethane (EDB)	ND	0.0100									
Ethylbenzene	ND	0.0250									
m,p-Xylene	ND	0.0500									
o-Xylene	ND	0.0250									
Surr: Dibromofluoromethane	1.28		1.250		102	80	120				
Surr: Toluene-d8	1.33		1.250		106	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.19		1.250		95.2	80	120				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2206019-001BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 6/6/2022			RunNo: 75929		
Client ID: BATCH		Batch ID: 36704		Analysis Date: 6/6/2022			SeqNo: 1557298				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0245						0		30	
Benzene	ND	0.0213						0		30	
Toluene	ND	0.0320						0		30	
1,2-Dibromoethane (EDB)	ND	0.0107						0		30	
Ethylbenzene	ND	0.0266						0		30	
m,p-Xylene	ND	0.0533						0		30	
o-Xylene	ND	0.0266						0		30	
Surr: Dibromofluoromethane	1.33		1.332		99.7	80	120		0		
Surr: Toluene-d8	1.41		1.332		106	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.33		1.332		99.7	80	120		0		

Sample ID: 2205551-002BDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 6/6/2022			RunNo: 75929		
Client ID: BATCH		Batch ID: 36704		Analysis Date: 6/6/2022			SeqNo: 1557691				
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	ND	0.0212						0		30	
Benzene	ND	0.0184						0		30	
Toluene	ND	0.0277						0		30	
1,2-Dibromoethane (EDB)	ND	0.00922						0		30	
Ethylbenzene	ND	0.0231						0		30	
m,p-Xylene	ND	0.0461						0		30	
o-Xylene	ND	0.0231						0		30	
Surr: Dibromofluoromethane	1.15		1.153		99.8	80	120		0		
Surr: Toluene-d8	1.22		1.153		106	80	120		0		
Surr: 1-Bromo-4-fluorobenzene	1.12		1.153		97.4	80	120		0		

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Organic Compounds by EPA Method 8260D

Sample ID: 2206065-001BMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 6/6/2022			RunNo: 75929		
Client ID: FTP-34-3.0		Batch ID: 36704		Analysis Date: 6/7/2022						SeqNo: 1557706	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
1,2-Dichloroethane (EDC)	1.23	0.0252	1.094	0	112	73.9	128				
Benzene	1.24	0.0219	1.094	0	113	76.9	128				
Toluene	1.19	0.0328	1.094	0	109	79.5	127				
1,2-Dibromoethane (EDB)	1.17	0.0109	1.094	0	107	76	126				
Ethylbenzene	1.13	0.0274	1.094	0	103	81.6	130				
m,p-Xylene	2.24	0.0547	2.189	0	102	80.6	128				
o-Xylene	1.07	0.0274	1.094	0	98.2	80.1	126				
Surr: Dibromofluoromethane	1.48		1.368		108	80	120				
Surr: Toluene-d8	1.48		1.368		108	80	120				
Surr: 1-Bromo-4-fluorobenzene	1.46		1.368		107	80	120				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: MB-36768	SampType: MBLK	Units: mg/Kg				Prep Date: 6/10/2022			RunNo: 76187		
Client ID: MBLKS	Batch ID: 36768					Analysis Date: 6/11/2022			SeqNo: 1562954		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	2.50		0	0						
Aliphatic Hydrocarbon (C6-C8)	ND	1.50		0	0						
Aliphatic Hydrocarbon (C8-C10)	ND	2.50		0	0						
Aliphatic Hydrocarbon (C10-C12)	ND	0.500		0	0						
Aromatic Hydrocarbon (C8-C10)	ND	3.00		0	0						
Aromatic Hydrocarbon (C10-C12)	ND	0.500		0	0						
Aromatic Hydrocarbon (C12-C13)	1.39	0.500		0	0						Q
Surr: 1,4-Difluorobenzene	2.32		2.500		92.9	60	140				
Surr: Bromofluorobenzene	2.55		2.500		102	60	140				

NOTES:

Q - Initial calibration verification for Aromatic Hydrocarbon (C12-C13) exceeds acceptance criteria. Results may be biased high.

Sample ID: LCS-36768	SampType: LCS	Units: mg/Kg				Prep Date: 6/10/2022			RunNo: 76187		
Client ID: LCSS	Batch ID: 36768	Analysis Date: 6/11/2022							SeqNo: 1562953		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	31.0	2.50	30.00	0	103	70	130				
Aliphatic Hydrocarbon (C6-C8)	10.6	1.50	10.00	0	106	70	130				
Aliphatic Hydrocarbon (C8-C10)	10.5	2.50	10.00	0	105	70	130				
Aliphatic Hydrocarbon (C10-C12)	11.7	0.500	10.00	0	117	70	130				
Aromatic Hydrocarbon (C8-C10)	43.2	3.00	40.00	0	108	70	130				
Aromatic Hydrocarbon (C10-C12)	15.0	0.500	10.00	0	150	70	130				S
Aromatic Hydrocarbon (C12-C13)	37.0	0.500	10.00	0	370	70	130				S
Surr: 1,4-Difluorobenzene	2.63		2.500		105	60	140				
Surr: Bromofluorobenzene	2.85		2.500		114	60	140				

NOTES:

S - Outlying spike recovery observed (high bias). Detections will be qualified with a Q.

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: 2206065-001CDUP		SampType: DUP		Units: mg/Kg-dry		Prep Date: 6/10/2022			RunNo: 76187		
Client ID: FTP-34-3.0		Batch ID: 36768					Analysis Date: 6/11/2022			SeqNo: 1562940	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	ND	2.64		0	0			0		25	
Aliphatic Hydrocarbon (C6-C8)	ND	1.59		0	0			0		25	
Aliphatic Hydrocarbon (C8-C10)	ND	2.64		0	0			0		25	
Aliphatic Hydrocarbon (C10-C12)	1.74	0.529		0	0			1.748	0.597	25	
Aromatic Hydrocarbon (C8-C10)	ND	3.17		0	0			0		25	
Aromatic Hydrocarbon (C10-C12)	3.80	0.529		0	0			4.037	6.08	25	Q
Aromatic Hydrocarbon (C12-C13)	37.0	0.529		0	0			37.77	2.14	25	Q
Surr: 1,4-Difluorobenzene	2.35		2.643		89.0	60	140		0		
Surr: Bromofluorobenzene	2.49		2.643		94.3	60	140		0		
NOTES:											
Q - Indicates an analyte with a continuing calibration that does not meet acceptance criteria for Aromatic Hydrocarbon (C10-C12) & Aromatic Hydrocarbon (C12-C13). Results may be biased high.											
Q - Initial calibration verification for Aromatic Hydrocarbon (C12-C13) exceeds acceptance criteria. Results may be biased high.											

Sample ID: 2206065-003CMS		SampType: MS		Units: mg/Kg-dry		Prep Date: 6/10/2022			RunNo: 76187		
Client ID: FTP-34-12.0		Batch ID: 36768		Analysis Date: 6/11/2022					SeqNo: 1562941		
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	25.9	2.07	24.80	0	105	70	130				
Aliphatic Hydrocarbon (C6-C8)	7.64	1.24	8.265	0.8581	82.1	70	130				
Aliphatic Hydrocarbon (C8-C10)	6.75	2.07	8.265	0	81.6	70	130				
Aliphatic Hydrocarbon (C10-C12)	8.94	0.413	8.265	0	108	70	130				
Aromatic Hydrocarbon (C8-C10)	34.5	2.48	33.06	0	104	70	130				
Aromatic Hydrocarbon (C10-C12)	9.06	0.413	8.265	0	110	70	130				
Aromatic Hydrocarbon (C12-C13)	9.42	0.413	8.265	2.515	83.6	70	130				B
Surr: 1,4-Difluorobenzene	2.01		2.066		97.3	60	140				
Surr: Bromofluorobenzene	2.00		2.066		96.7	60	140				

Work Order: 2206065
CLIENT: Farallon Consulting
Project: Formwater Asphalt Plant

QC SUMMARY REPORT

Volatile Petroleum Hydrocarbons by NWVPH

Sample ID: 2206065-003CMSD		SampType: MSD		Units: mg/Kg-dry		Prep Date: 6/10/2022			RunNo: 76187		
Client ID: FTP-34-12.0		Batch ID: 36768		Analysis Date: 6/11/2022						SeqNo: 1562942	
Analyte	Result	RL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Aliphatic Hydrocarbon (C5-C6)	25.8	2.07	24.80	0	104	70	130	25.94	0.384	30	
Aliphatic Hydrocarbon (C6-C8)	7.92	1.24	8.265	0.8581	85.4	70	130	7.644	3.52	30	
Aliphatic Hydrocarbon (C8-C10)	7.15	2.07	8.265	0	86.5	70	130	6.746	5.81	30	
Aliphatic Hydrocarbon (C10-C12)	9.49	0.413	8.265	0	115	70	130	8.937	5.96	30	
Aromatic Hydrocarbon (C8-C10)	36.2	2.48	33.06	0	109	70	130	34.50	4.73	30	
Aromatic Hydrocarbon (C10-C12)	9.46	0.413	8.265	0	114	70	130	9.059	4.30	30	
Aromatic Hydrocarbon (C12-C13)	9.50	0.413	8.265	2.515	84.5	70	130	9.421	0.815	30	B
Surr: 1,4-Difluorobenzene	2.12		2.066		102	60	140		0		
Surr: Bromofluorobenzene	2.07		2.066		100	60	140		0		

Client Name: FARA

Work Order Number: 2206065

Logged by: Elisabeth Samoray

Date Received: 6/3/2022 8:56:00 AM

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Coolers are present? Yes ☒ No ☐ NA ☐
4. Shipping container/cooler in good condition? Yes ☒ No ☐
5. Custody Seals present on shipping container/cooler?
(Refer to comments for Custody Seals not intact) Yes ☒ No ☐ Not Present ☐
6. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
7. Were all items received at a temperature of >2°C to 6°C * Yes ☒ No ☐ NA ☐
8. Sample(s) in proper container(s)? Yes ☒ No ☐
9. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
10. Are samples properly preserved? Yes ☒ No ☐
11. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
12. Is there headspace in the VOA vials? Yes ☐ No ☐ NA ☒
13. Did all samples containers arrive in good condition(unbroken)? Yes ☒ No ☐
14. Does paperwork match bottle labels? Yes ☒ No ☐
15. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
16. Is it clear what analyses were requested? Yes ☒ No ☐
17. Were all holding times able to be met? Yes ☒ No ☐

Special Handling (if applicable)

18. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail

☐ Phone

☐ Fax

☐ In Person

Regarding:

Client Instructions:

19. Additional remarks:

Item Information

Item #	Temp °C
Sample 1	5.9

* Note: DoD/ELAP and TNI require items to be received at 4°C +/- 2°C



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 6/11/22

Page: 1 of 1

Project Name: Former Asphalt Plant

Project No: 525-632

Collected by: Megan Gehring

Location: Chehalis, WA

Report To (PM): Pete Kingston

PM Email: pkingston@pccallaguardians.com

Laboratory Project No (Internal): 2206065

Special Remarks:
Please hold for PM
PM will contact for
analysis.

Sample Disposal: ☐ Return to client ☒ Disposal by lab (after 30 days)

Client: Farallon

Address: 935 5th Ave NW

City, State, Zip: Issaquah, WA 98027

Telephone: 425-295-0800

Fax:

Sample Name	Sample Date	Sample Time	Sample Type (Matrix)*	# of Cont.	VOCs (EPA 8260 / 624)	BTEX	Gasoline Range Organics (GX)	Hydrocarbon Identification (HCID)	Diesel/Heavy Oil Range Organics (DO)	SVOCS (EPA 8270 / 625)	PAHs (EPA 8270 - SIM)	PCBs (EPA 8082 / 608)	Metals** (EPA 6020 / 200.8)	Total (T) Dissolved (D)	Anions (IC)**	EDB (801)	Hd-P	Comments
-------------	-------------	-------------	-----------------------	------------	-----------------------	------	------------------------------	-----------------------------------	--------------------------------------	------------------------	-----------------------	-----------------------	-----------------------------	---------------------------	---------------	-----------	------	----------

1 FTP-34-3.1

6/11/22

1000

S

3

X

2 FTP-34-6.0

1015

3 FTP-34-12.0

1025

4 FTP-35-8.0

0915

5 FTP-35-7.0

0925

6 FTP-35-12.0

0935

7

8

9

10

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

**Metals (Circle): MTCA-5 RCRA-8 Priority Pollutants TAL Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

***Anions (Circle): Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Relinquished (Signature)

Print Name

Date/Time

Received (Signature)

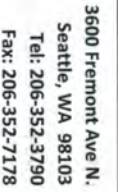
Print Name

Date/Time

Megan Gehring 6/11/22 0900

Justin Pogue 6/13 8:56

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)



Date: 6/11/22

Page: 1 of 1

Laboratory Project No (Internal): 2206065

Project No: 525-632

Collected by: Megan Behning

Location: Chenais, WA

Report To (PM): Pete Kingston

PM Email: PKingston@freemallconsulting.com

run per CB 6/3/22 -cg

[illegible]

*Matrix: A = Air, AQ = Aqueous, B = Bulk, O = Other, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water

****Metals (Circle):** MTC-5 RCRA-8 Priority Pollutants TAL
Individual: Ag Al As B Ba Be Ca Cd Co Cr Cu Fe Hg K Mg Mn Mo Na Ni Pb Sb Se Sr Sn Ti Tl V Zn

****Anions (Circle):** Nitrate Nitrite Chloride Sulfate Bromide O-Phosphate Fluoride Nitrate+Nitrite

I represent that I am authorized to enter into this Agreement with Fremont Analytical on behalf of the Client named above, that I have verified Client's agreement to each of the terms on the front and backside of this Agreement.

Turn-around Time:

☒ Standard ☐ Next Day

☐ 3 Day ☐ Same Day

☐ 2 Day _____ (specify)

Received (Signature)

Print Name _____

Date/Time

Meagan Gehring 6/12/22 60900

Received (Signature)	Print Name	Date/Time
<i>Justine Pogue</i>	Justine Pogue	6/3 8:50

1

✕

APPENDIX C
TERRESTRIAL ECOLOGICAL EVALUATION FORM

CLEANUP ACTION REPORT
Former Asphalt Batch Plant
2001 Johnson Road
Centralia, Washington

Farallon PN: 0525-031



Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation>.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Former Asphalt Batch Plant

Facility/Site Address: 2001 Johnson Road, Centralia, Washington 98531

Facility/Site No: 137965444

VCP Project No.:

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Sarah Snyder

Title: Senior Geologist

Organization: Farallon Consulting, L.L.C.

Mailing address: 1809 7th Avenue, Suite 1111

City: Seattle

State: WA

Zip code: 98101

Phone: 425-295-0800

Fax:

E-mail: ssnyder@farallonconsulting.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

- ☒ Yes *If you answered "YES," then answer **Question 2**.*
- ☐ No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? Check all that apply. Then skip to **Step 4** of this form.

Point of Compliance: WAC 173-340-7491(1)(a)

- ☒ All soil contamination is, or will be,* at least 15 feet below the surface.
- ☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

- ☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

- ☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.
- ☒ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

- ☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

± "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- ☐ Yes *If you answered "YES," then answer **Question 2** below.*
- ☐ No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

- ☐ Yes *If you answered "YES," then answer **Question 3** below.*
- ☐ No *If you answered "NO," then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

- ☐ Yes *If you answered "YES," then answer **Question 4** below.*
- ☐ No *If you answered "NO," then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

- ☐ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*
- ☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to **Step 4** of this form.

Exposure Analysis: WAC 173-340-7492(2)(a)

- ☐ Area of soil contamination at the Site is not more than 350 square feet.
- ☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- ☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).

1. Was there a problem? See WAC 173-340-7493(2).

- ☐ Yes *If you answered “YES,” then answer **Question 2** below.*
- ☐ No *If you answered “NO,” then identify the reason here and then skip to **Question 5** below:*
- ☐ No issues were identified during the problem formulation step.
- ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? See WAC 173-340-7493(3).

- ☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- ☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?

Check all that apply. See WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

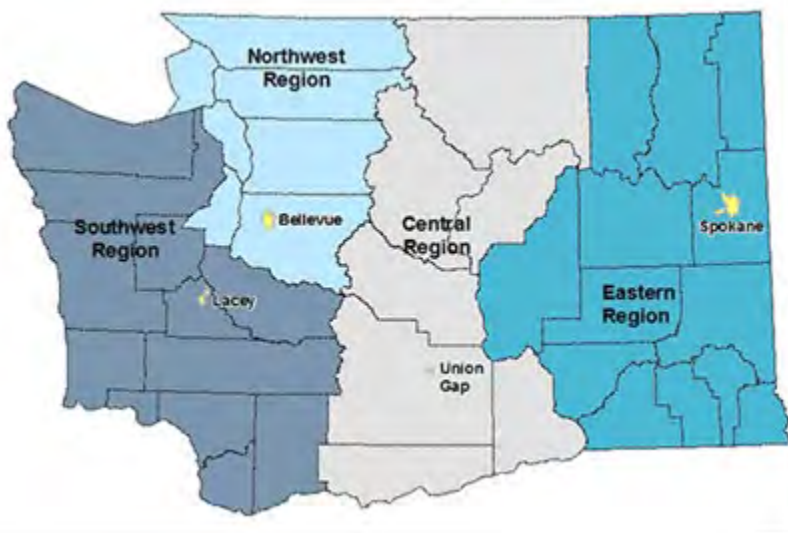
- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology’s approval of both your problem formulation and problem resolution steps?

- ☐ Yes If so, please identify the Ecology staff who approved those steps:
- ☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160 th Ave. SE Bellevue, WA 98008-5452	Central Region: Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call 877-833-6341.

APPENDIX D
WASTE DISPOSAL DOCUMENTATION

CLEANUP ACTION REPORT
Former Asphalt Batch Plant
2001 Johnson Road
Centralia, Washington

Farallon PN: 0525-031

Table 1
Waste Disposal Tonnage Tracking
Former Asphalt Batch Plant
Centralia, Washington
Farallon PN: 525-031

Asphalt Plant Excavation	
Date Transported	Daily Tonnage
2019-04-29	758.25
2019-04-30	1,318.62
2019-05-01	1,505.13
2019-05-02	1,541.33
2019-05-03	1,799.22
2019-05-06	1,550.84
2019-05-07	2,165.98
2019-05-08	1,991.19
2019-05-09	2,124.74
2019-05-10	2,166.37
2019-05-13	1,380.30
2019-05-14	1,689.36
Total Excavation Tonnage:	19,991.33

**DEPARTMENT OF PUBLIC WORKS**

1600 - 13th Avenue South
Kelso, WA 98626
TEL (360) 577-3035
www.co.cowlitz.wa.us/publicworks/

STATEMENT

of Account For
Dates 5/1/2019 to 5/31/2019

Send To: **LAKESIDE INDUSTRIES**
PO Box 7016
Longview Location
Issaquah, WA 98027

Remit To: **DEPARTMENT OF PUBLIC WORKS**
1600 - 13th Avenue South
Kelso, WA 98626

Account: 6336

Statement Date: Jun 4, 2019
Previous Balance: \$53,868.29
Current Charges: \$587,015.66
Payments: -\$53,868.29
Adjustments: \$0.00
Current Balance: **\$587,015.66**

Date	Type	Rec #	Description	Amount
			Previous Balance	\$53,868.29
05/16/2019	Finance Charge	6753	Finance Charges	\$10.00
05/16/2019	Credit Memo	9782	Reversal of Late Fee - System Error	-\$10.00
05/23/2019	Payment	9840	Thank you, we appreciate your business!	-\$53,791.00
05/28/2019	Payment	9872	Thank you, we appreciate your business!	-\$77.29
05/31/2019	Invoice	6850		\$587,015.66
Current Balance				\$587,015.66

PLEASE PAY FROM THIS STATEMENT: \$587,015.66

Make check payable to **COWLITZ COUNTY PUBLIC WORKS**. Please include invoice number(s) on check.

Thank you for your business!

Current	1 - 30	31 - 60	61 - 90	> 90	Total
\$587,015.66	\$0.00	\$0.00	\$0.00	\$0.00	\$587,015.66

Finance Charge

Account #	Date	Invoice #
6336	5/16/19	6753
Remit payment to:		Due Date
Cowlitz County Public Works		5/31/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Description	Amount
0	05-16-19	OF	Finance Charges for Overdue Balance	\$10.00

Note
Finance Charges

Original Amount
\$10.00

Total Tons
0.00

Amount Due
\$0.00

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
536814	05-01-19	LF	KEN MILLE		PCS - 6 : 26.80 TN	\$670.00	\$24.12	\$694.12
536817	05-01-19	LF	KEN MILLE		PCS - 6 : 28.32 TN	\$708.00	\$25.49	\$733.49
536820	05-01-19	LF	KEN MILLE		PCS - 6 : 27.20 TN	\$680.00	\$24.48	\$704.48
536828	05-01-19	LF	KEN MILLE		PCS - 6 : 29.88 TN	\$747.00	\$26.89	\$773.89
536829	05-01-19	LF	LAKESIDE		PCS - 6 : 30.76 TN	\$769.00	\$27.68	\$796.68
536831	05-01-19	LF	LAKESIDE		PCS - 6 : 23.41 TN	\$585.25	\$21.07	\$606.32
536832	05-01-19	LF	LAKESIDE		PCS - 6 : 22.11 TN	\$552.75	\$19.90	\$572.65
536838	05-01-19	LF	KEN JOHN		PCS - 6 : 24.49 TN	\$612.25	\$22.04	\$634.29
536839	05-01-19	LF	KEN JOHN		PCS - 6 : 24.17 TN	\$604.25	\$21.75	\$626.00
536840	05-01-19	LF	KEN MILLE		PCS - 6 : 23.08 TN	\$577.00	\$20.77	\$597.77
536843	05-01-19	LF	KEN MILLE		PCS - 6 : 29.02 TN	\$725.50	\$26.12	\$751.62
536848	05-01-19	LF	LAKESIDE		PCS - 6 : 29.25 TN	\$731.25	\$26.33	\$757.58
536849	05-01-19	LF	LAKESIDE		PCS - 6 : 30.63 TN	\$765.75	\$27.57	\$793.32
536852	05-01-19	LF	KEN MILLE		PCS - 6 : 26.88 TN	\$672.00	\$24.19	\$696.19
536855	05-01-19	LF	MERITUS 4		PCS - 6 : 34.62 TN	\$865.50	\$31.16	\$896.66
536857	05-01-19	LF	LAKESIDE		PCS - 6 : 31.77 TN	\$794.25	\$28.59	\$822.84
536863	05-01-19	LF	KEN MILLE		PCS - 6 : 28.84 TN	\$721.00	\$25.96	\$746.96
536864	05-01-19	LF	KEN MILLE		PCS - 6 : 32.08 TN	\$802.00	\$28.87	\$830.87
536865	05-01-19	LF	KEN MILLE		PCS - 6 : 33.43 TN	\$835.75	\$30.09	\$865.84
536866	05-01-19	LF	KEN MILLE		PCS - 6 : 29.10 TN	\$727.50	\$26.19	\$753.69
536868	05-01-19	LF	NW ROCK		PCS - 6 : 35.73 TN	\$893.25	\$32.16	\$925.41
536869	05-01-19	LF	NW ROCK		PCS - 6 : 33.46 TN	\$836.50	\$30.11	\$866.61
536870	05-01-19	LF	NW ROCK		PCS - 6 : 36.55 TN	\$913.75	\$32.90	\$946.65
536871	05-01-19	LF	NW ROCK		PCS - 6 : 35.13 TN	\$878.25	\$31.62	\$909.87
536873	05-01-19	LF	QUIGG 55-		PCS - 6 : 28.82 TN	\$720.50	\$25.94	\$746.44
536875	05-01-19	LF	QUIGG 55-		PCS - 6 : 27.15 TN	\$678.75	\$24.44	\$703.19
536876	05-01-19	LF	QUIGG 55-		PCS - 6 : 27.16 TN	\$679.00	\$24.44	\$703.44
536877	05-01-19	LF	KEN MILLE		PCS - 6 : 26.62 TN	\$665.50	\$23.96	\$689.46
536878	05-01-19	LF	KEN MILLE		PCS - 6 : 31.89 TN	\$797.25	\$28.70	\$825.95
536879	05-01-19	LF	LAKESIDE		PCS - 6 : 22.16 TN	\$554.00	\$19.94	\$573.94
536881	05-01-19	LF	KEN JOHN		PCS - 6 : 23.94 TN	\$598.50	\$21.55	\$620.05
536882	05-01-19	LF	KEN JOHN		PCS - 6 : 21.69 TN	\$542.25	\$19.52	\$561.77
536886	05-01-19	LF	KEN MILLE		PCS - 6 : 24.75 TN	\$618.75	\$22.28	\$641.03
536887	05-01-19	LF	LAKESIDE		PCS - 6 : 29.84 TN	\$746.00	\$26.86	\$772.86
536888	05-01-19	LF	KEN MILLE		PCS - 6 : 25.05 TN	\$626.25	\$22.55	\$648.80
536892	05-01-19	LF	KEN MILLE		PCS - 6 : 24.87 TN	\$621.75	\$22.38	\$644.13
536894	05-01-19	LF	LAKESIDE		PCS - 6 : 24.90 TN	\$622.50	\$22.41	\$644.91
536903	05-01-19	LF	MARITUS 4		PCS - 6 : 32.71 TN	\$817.75	\$29.44	\$847.19
536906	05-01-19	LF	KEN MILLE		PCS - 6 : 31.22 TN	\$780.50	\$28.10	\$808.60

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850

Remit payment to:

Cowlitz County Public Works
1600 - 13th Avenue South
Kelso, WA 98626
TEL (360) 577-3035

Due Date

7/15/19

www.co.cowlitz.wa.us/publicworks/

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
536910	05-01-19	LF	NW ROCK		PCS - 6 : 30.70 TN	\$767.50	\$27.63	\$795.13
536911	05-01-19	LF	NW ROCK		PCS - 6 : 33.88 TN	\$847.00	\$30.49	\$877.49
536912	05-01-19	LF	KEN MILLE		PCS - 6 : 26.34 TN	\$658.50	\$23.71	\$682.21
536913	05-01-19	LF	QUIGG 55-		PCS - 6 : 27.43 TN	\$685.75	\$24.69	\$710.44
536914	05-01-19	LF	QUIGG 55-		PCS - 6 : 29.94 TN	\$748.50	\$26.95	\$775.45
536915	05-01-19	LF	QUIGG 55-		PCS - 6 : 22.64 TN	\$566.00	\$20.38	\$586.38
536916	05-01-19	LF	KEN MILLE		PCS - 6 : 30.23 TN	\$755.75	\$27.21	\$782.96
536918	05-01-19	LF	LAKESIDE		PCS - 6 : 23.06 TN	\$576.50	\$20.75	\$597.25
536920	05-01-19	LF	KEN JOHN		PCS - 6 : 20.63 TN	\$515.75	\$18.57	\$534.32
536921	05-01-19	LF	KEN MILLE		PCS - 6 : 24.11 TN	\$602.75	\$21.70	\$624.45
536924	05-01-19	LF	JOHNSON		PCS - 6 : 24.59 TN	\$614.75	\$22.13	\$636.88
536926	05-01-19	LF	LAKESIDE		PCS - 6 : 32.61 TN	\$815.25	\$29.35	\$844.60
536927	05-01-19	LF	MILLER 9		PCS - 6 : 24.12 TN	\$603.00	\$21.71	\$624.71
536928	05-01-19	LF	LAKESIDE		PCS - 6 : 19.78 TN	\$494.50	\$17.80	\$512.30
536934	05-01-19	LF	MILLER GF		PCS - 6 : 25.59 TN	\$639.75	\$23.03	\$662.78
536939	05-01-19	LF	MERITUS 4		PCS - 6 : 32.34 TN	\$808.50	\$29.11	\$837.61
536948	05-02-19	LF	KEN MILLE		PCS - 6 : 24.41 TN	\$610.25	\$21.97	\$632.22
536951	05-02-19	LF	KEN MILLE		PCS - 6 : 26.93 TN	\$673.25	\$24.24	\$697.49
536952	05-02-19	LF	KEN MILLE		PCS - 6 : 27.25 TN	\$681.25	\$24.53	\$705.78
536959	05-02-19	LF	KEN MILLE		PCS - 6 : 29.14 TN	\$728.50	\$26.23	\$754.73
536964	05-02-19	LF	KEN MILLE		PCS - 6 : 28.35 TN	\$708.75	\$25.52	\$734.27
536965	05-02-19	LF	KEN MILLE		PCS - 6 : 31.40 TN	\$785.00	\$28.26	\$813.26
536967	05-02-19	LF	NW ROCK		PCS - 6 : 31.98 TN	\$799.50	\$28.78	\$828.28
536968	05-02-19	LF	NW ROCK		PCS - 6 : 28.36 TN	\$709.00	\$25.52	\$734.52
536969	05-02-19	LF	LAKESIDE		PCS - 6 : 21.55 TN	\$538.75	\$19.40	\$558.15
536970	05-02-19	LF	LAKESIDE		PCS - 6 : 21.89 TN	\$547.25	\$19.70	\$566.95
536975	05-02-19	LF	LAKESIDE		PCS - 6 : 30.66 TN	\$766.50	\$27.59	\$794.09
536976	05-02-19	LF	LAKESIDE		PCS - 6 : 31.98 TN	\$799.50	\$28.78	\$828.28
536980	05-02-19	LF	KEN JOHN		PCS - 6 : 24.36 TN	\$609.00	\$21.92	\$630.92
536982	05-02-19	LF	KEN JOHN		PCS - 6 : 23.21 TN	\$580.25	\$20.89	\$601.14
536985	05-02-19	LF	KEN MILLE		PCS - 6 : 25.62 TN	\$640.50	\$23.06	\$663.56
536989	05-02-19	LF	KEN MILLE		PCS - 6 : 26.73 TN	\$668.25	\$24.06	\$692.31
536990	05-02-19	LF	MARITUS 4		PCS - 6 : 32.91 TN	\$822.75	\$29.62	\$852.37
536991	05-02-19	LF	KEN MILLE		PCS - 6 : 26.39 TN	\$659.75	\$23.75	\$683.50
536993	05-02-19	LF	LAKESIDE		PCS - 6 : 31.35 TN	\$783.75	\$28.22	\$811.97
536997	05-02-19	LF	KEN MILLE		PCS - 6 : 29.12 TN	\$728.00	\$26.21	\$754.21
536998	05-02-19	LF	LAKESIDE		PCS - 6 : 30.70 TN	\$767.50	\$27.63	\$795.13
537000	05-02-19	LF	KEN MILLE		PCS - 6 : 29.45 TN	\$736.25	\$26.51	\$762.76
537001	05-02-19	LF	KEN MILLE		PCS - 6 : 28.44 TN	\$711.00	\$25.60	\$736.60

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537002	05-02-19	LF	NW ROCK		PCS - 6 : 35.58 TN	\$889.50	\$32.02	\$921.52
537004	05-02-19	LF	NW ROCK		PCS - 6 : 33.42 TN	\$835.50	\$30.08	\$865.58
537005	05-02-19	LF	LAKESIDE		PCS - 6 : 21.36 TN	\$534.00	\$19.22	\$553.22
537006	05-02-19	LF	LAKESIDE		PCS - 6 : 22.47 TN	\$561.75	\$20.22	\$581.97
537007	05-02-19	LF	LAKESIDE		PCS - 6 : 28.34 TN	\$708.50	\$25.51	\$734.01
537010	05-02-19	LF	LAKESIDE		PCS - 6 : 27.10 TN	\$677.50	\$24.39	\$701.89
537012	05-02-19	LF	KEN JOHN		PCS - 6 : 24.92 TN	\$623.00	\$22.43	\$645.43
537013	05-02-19	LF	KEN JOHN		PCS - 6 : 21.55 TN	\$538.75	\$19.40	\$558.15
537016	05-02-19	LF	KEN MILLE		PCS - 6 : 25.62 TN	\$640.50	\$23.06	\$663.56
537023	05-02-19	LF	KEN MILLE		PCS - 6 : 27.65 TN	\$691.25	\$24.89	\$716.14
537024	05-02-19	LF	MERITUS 4		PCS - 6 : 33.36 TN	\$834.00	\$30.02	\$864.02
537030	05-02-19	LF	KEN MILLE		PCS - 6 : 28.16 TN	\$704.00	\$25.34	\$729.34
537031	05-02-19	LF	LAKESIDE		PCS - 6 : 30.21 TN	\$755.25	\$27.19	\$782.44
537033	05-02-19	LF	LAKESIDE		PCS - 6 : 30.15 TN	\$753.75	\$27.14	\$780.89
537038	05-02-19	LF	LAKESIDE		PCS - 6 : 31.29 TN	\$782.25	\$28.16	\$810.41
537042	05-02-19	LF	KEN MILLE		PCS - 6 : 28.41 TN	\$710.25	\$25.57	\$735.82
537044	05-02-19	LF	KEN MILLE		PCS - 6 : 30.62 TN	\$765.50	\$27.56	\$793.06
537046	05-02-19	LF	NW ROCK		PCS - 6 : 31.81 TN	\$795.25	\$28.63	\$823.88
537047	05-02-19	LF	NW ROCK		PCS - 6 : 31.55 TN	\$788.75	\$28.40	\$817.15
537048	05-02-19	LF	LAKESIDE		PCS - 6 : 22.54 TN	\$563.50	\$20.29	\$583.79
537049	05-02-19	LF	LAKESIDE		PCS - 6 : 32.52 TN	\$813.00	\$29.27	\$842.27
537051	05-02-19	LF	LAKESIDE		PCS - 6 : 18.69 TN	\$467.25	\$16.82	\$484.07
537052	05-02-19	LF	LAKESIDE		PCS - 6 : 31.36 TN	\$784.00	\$28.22	\$812.22
537053	05-02-19	LF	KEN JOHN		PCS - 6 : 20.91 TN	\$522.75	\$18.82	\$541.57
537054	05-02-19	LF	KEN JOHN		PCS - 6 : 22.52 TN	\$563.00	\$20.27	\$583.27
537066	05-02-19	LF	MERITUS 6		PCS - 6 : 33.90 TN	\$847.50	\$30.51	\$878.01
537067	05-02-19	LF	MILLER 6		PCS - 6 : 24.39 TN	\$609.75	\$21.95	\$631.70
537070	05-02-19	LF	LAKESIDE		PCS - 6 : 30.77 TN	\$769.25	\$27.69	\$796.94
537073	05-02-19	LF	LAKESIDE		PCS - 6 : 32.14 TN	\$803.50	\$28.93	\$832.43
537074	05-02-19	LF	MILLER RE		PCS - 6 : 28.77 TN	\$719.25	\$25.89	\$745.14
537077	05-02-19	LF	MILLER GF		PCS - 6 : 24.73 TN	\$618.25	\$22.26	\$640.51
537079	05-03-19	LF	KEN MILLE		PCS - 6 : 26.25 TN	\$656.25	\$23.63	\$679.88
537083	05-03-19	LF	KEN MILLE		PCS - 6 : 30.93 TN	\$773.25	\$27.84	\$801.09
537089	05-03-19	LF	NW ROCK		PCS - 6 : 32.58 TN	\$814.50	\$29.32	\$843.82
537090	05-03-19	LF	NW ROCK		PCS - 6 : 32.06 TN	\$801.50	\$28.85	\$830.35
537104	05-03-19	LF	LAKESIDE		PCS - 6 : 30.04 TN	\$751.00	\$27.04	\$778.04
537112	05-03-19	LF	KEN JOHN		PCS - 6 : 24.29 TN	\$607.25	\$21.86	\$629.11
537113	05-03-19	LF	KEN JOHN		PCS - 6 : 23.53 TN	\$588.25	\$21.18	\$609.43
537114	05-03-19	LF	NW ROCK		PCS - 6 : 26.45 TN	\$661.25	\$23.81	\$685.06

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537115	05-03-19	LF	JANKE 27		PCS - 6 : 23.74 TN	\$593.50	\$21.37	\$614.87
537116	05-03-19	LF	KEN MILLE		PCS - 6 : 23.05 TN	\$576.25	\$20.75	\$597.00
537117	05-03-19	LF	KEN MILLE		PCS - 6 : 25.42 TN	\$635.50	\$22.88	\$658.38
537121	05-03-19	LF	MERITUS 4		PCS - 6 : 30.08 TN	\$752.00	\$27.07	\$779.07
537122	05-03-19	LF	JANKE 5		PCS - 6 : 22.74 TN	\$568.50	\$20.47	\$588.97
537124	05-03-19	LF	JANKE 17		PCS - 6 : 19.98 TN	\$499.50	\$17.98	\$517.48
537125	05-03-19	LF	QUIGG 55-		PCS - 6 : 23.26 TN	\$581.50	\$20.93	\$602.43
537126	05-03-19	LF	QUIGG 55-		PCS - 6 : 23.30 TN	\$582.50	\$20.97	\$603.47
537127	05-03-19	LF	KEN MILLE		PCS - 6 : 27.65 TN	\$691.25	\$24.89	\$716.14
537128	05-03-19	LF	KEN MILLE		PCS - 6 : 25.52 TN	\$638.00	\$22.97	\$660.97
537129	05-03-19	LF	KEN MILLE		PCS - 6 : 29.05 TN	\$726.25	\$26.15	\$752.40
537130	05-03-19	LF	KEN MILLE		PCS - 6 : 28.91 TN	\$722.75	\$26.02	\$748.77
537131	05-03-19	LF	KEN MILLE		PCS - 6 : 23.36 TN	\$584.00	\$21.02	\$605.02
537132	05-03-19	LF	KEN MILLE		PCS - 6 : 27.73 TN	\$693.25	\$24.96	\$718.21
537133	05-03-19	LF	KEN MILLE		PCS - 6 : 26.76 TN	\$669.00	\$24.08	\$693.08
537134	05-03-19	LF	BRUMFIEL		PCS - 6 : 27.72 TN	\$693.00	\$24.95	\$717.95
537140	05-03-19	LF	JANKE 10		PCS - 6 : 22.75 TN	\$568.75	\$20.48	\$589.23
537142	05-03-19	LF	NW ROCK		PCS - 6 : 29.48 TN	\$737.00	\$26.53	\$763.53
537143	05-03-19	LF	NW ROCK		PCS - 6 : 36.13 TN	\$903.25	\$32.52	\$935.77
537145	05-03-19	LF	LAKESIDE		PCS - 6 : 30.41 TN	\$760.25	\$27.37	\$787.62
537148	05-03-19	LF	KEN JOHN		PCS - 6 : 22.64 TN	\$566.00	\$20.38	\$586.38
537149	05-03-19	LF	KEN JOHN		PCS - 6 : 23.14 TN	\$578.50	\$20.83	\$599.33
537152	05-03-19	LF	NW ROCK		PCS - 6 : 31.13 TN	\$778.25	\$28.02	\$806.27
537153	05-03-19	LF	KEN MILLE		PCS - 6 : 26.59 TN	\$664.75	\$23.93	\$688.68
537159	05-03-19	LF	JANKE 5		PCS - 6 : 25.20 TN	\$630.00	\$22.68	\$652.68
537160	05-03-19	LF	QUIGG 55-		PCS - 6 : 24.98 TN	\$624.50	\$22.48	\$646.98
537161	05-03-19	LF	QUIGG 55-		PCS - 6 : 28.28 TN	\$707.00	\$25.45	\$732.45
537162	05-03-19	LF	MERITUS 4		PCS - 6 : 29.36 TN	\$734.00	\$26.42	\$760.42
537163	05-03-19	LF	KEN MILLE		PCS - 6 : 29.02 TN	\$725.50	\$26.12	\$751.62
537164	05-03-19	LF	JANKE 27		PCS - 6 : 29.92 TN	\$748.00	\$26.93	\$774.93
537165	05-03-19	LF	KEN MILLE		PCS - 6 : 27.30 TN	\$682.50	\$24.57	\$707.07
537166	05-03-19	LF	KEN MILLE		PCS - 6 : 24.14 TN	\$603.50	\$21.73	\$625.23
537167	05-03-19	LF	BRUMFIEL		PCS - 6 : 26.69 TN	\$667.25	\$24.02	\$691.27
537168	05-03-19	LF	KEN MILLE		PCS - 6 : 29.68 TN	\$742.00	\$26.71	\$768.71
537169	05-03-19	LF	KEN MILLE		PCS - 6 : 28.34 TN	\$708.50	\$25.51	\$734.01
537171	05-03-19	LF	JANKE 17		PCS - 6 : 24.92 TN	\$623.00	\$22.43	\$645.43
537177	05-03-19	LF	LAKESIDE		PCS - 6 : 32.45 TN	\$811.25	\$29.21	\$840.46
537179	05-03-19	LF	NW ROCK		PCS - 6 : 34.52 TN	\$863.00	\$31.07	\$894.07
537180	05-03-19	LF	NW ROCK		PCS - 6 : 34.29 TN	\$857.25	\$30.86	\$888.11

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537181	05-03-19	LF	LAKESIDE		PCS - 6 : 31.86 TN	\$796.50	\$28.67	\$825.17
537183	05-03-19	LF	KEN JOHN		PCS - 6 : 22.24 TN	\$556.00	\$20.02	\$576.02
537184	05-03-19	LF	KEN JOHN		PCS - 6 : 21.44 TN	\$536.00	\$19.30	\$555.30
537185	05-03-19	LF	NW ROCK		PCS - 6 : 24.83 TN	\$620.75	\$22.35	\$643.10
537186	05-03-19	LF	LAKESIDE		PCS - 6 : 30.99 TN	\$774.75	\$27.89	\$802.64
537187	05-03-19	LF	LAKESIDE		PCS - 6 : 22.59 TN	\$564.75	\$20.33	\$585.08
537198	05-03-19	LF	MILLER GF		PCS - 6 : 26.99 TN	\$674.75	\$24.29	\$699.04
537200	05-03-19	LF	JANKE 5		PCS - 6 : 25.85 TN	\$646.25	\$23.27	\$669.52
537201	05-03-19	LF	QUIGG 557		PCS - 6 : 28.02 TN	\$700.50	\$25.22	\$725.72
537202	05-03-19	LF	QUIGG 554		PCS - 6 : 26.25 TN	\$656.25	\$23.63	\$679.88
537203	05-03-19	LF	JANKS 27		PCS - 6 : 27.44 TN	\$686.00	\$24.70	\$710.70
537207	05-03-19	LF	MILLER 18		PCS - 6 : 28.83 TN	\$720.75	\$25.95	\$746.70
537208	05-03-19	LF	MILLER BL		PCS - 6 : 26.78 TN	\$669.50	\$24.10	\$693.60
537209	05-03-19	LF	MILLER 1		PCS - 6 : 27.92 TN	\$698.00	\$25.13	\$723.13
537211	05-03-19	LF	BRUMFIEL		PCS - 6 : 27.30 TN	\$682.50	\$24.57	\$707.07
537212	05-03-19	LF	MERITUS6		PCS - 6 : 30.66 TN	\$766.50	\$27.59	\$794.09
537213	05-03-19	LF	MILLER 9		PCS - 6 : 27.62 TN	\$690.50	\$24.86	\$715.36
537214	05-03-19	LF	JANKE 17		PCS - 6 : 27.79 TN	\$694.75	\$25.01	\$719.76
537215	05-03-19	LF	MILLER 3		PCS - 6 : 28.06 TN	\$701.50	\$25.25	\$726.75
537223	05-06-19	LF	KEN MILLE		PCS - 6 : 23.67 TN	\$591.75	\$21.30	\$613.05
537231	05-06-19	LF	KEN MILLE		PCS - 6 : 28.46 TN	\$711.50	\$25.61	\$737.11
537234	05-06-19	LF	KEN MILLE		PCS - 6 : 29.06 TN	\$726.50	\$26.15	\$752.65
537235	05-06-19	LF	KEN MILLE		PCS - 6 : 29.10 TN	\$727.50	\$26.19	\$753.69
537236	05-06-19	LF	NW ROCK		PCS - 6 : 26.59 TN	\$664.75	\$23.93	\$688.68
537238	05-06-19	LF	NW ROCK		PCS - 6 : 27.22 TN	\$680.50	\$24.50	\$705.00
537241	05-06-19	LF	KEN MILLE		PCS - 6 : 29.30 TN	\$732.50	\$26.37	\$758.87
537243	05-06-19	LF	KEN MILLE		PCS - 6 : 37.40 TN	\$935.00	\$33.66	\$968.66
537244	05-06-19	LF	NW ROCK		PCS - 6 : 36.76 TN	\$919.00	\$33.08	\$952.08
537246	05-06-19	LF	BRUMFIEL		PCS - 6 : 26.72 TN	\$668.00	\$24.05	\$692.05
537251	05-06-19	LF	JANKE 17		PCS - 6 : 24.62 TN	\$615.50	\$22.16	\$637.66
537252	05-06-19	LF	JANKE 27		PCS - 6 : 24.30 TN	\$607.50	\$21.87	\$629.37
537254	05-06-19	LF	KEN MILLE		PCS - 6 : 27.65 TN	\$691.25	\$24.89	\$716.14
537255	05-06-19	LF	MARITUS 4		PCS - 6 : 29.53 TN	\$738.25	\$26.58	\$764.83
537257	05-06-19	LF	QUIGG 55-		PCS - 6 : 27.63 TN	\$690.75	\$24.87	\$715.62
537260	05-06-19	LF	QUIGG 55-		PCS - 6 : 25.02 TN	\$625.50	\$22.52	\$648.02
537262	05-06-19	LF	KEN MILLE		PCS - 6 : 29.04 TN	\$726.00	\$26.14	\$752.14
537263	05-06-19	LF	KEN MILLE		PCS - 6 : 29.83 TN	\$745.75	\$26.85	\$772.60
537264	05-06-19	LF	KEN MILLE		PCS - 6 : 25.56 TN	\$639.00	\$23.00	\$662.00
537266	05-06-19	LF	NW ROCK		PCS - 6 : 33.03 TN	\$825.75	\$29.73	\$855.48

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850

Remit payment to:

Cowlitz County Public Works

1600 - 13th Avenue South

Kelso, WA 98626

TEL (360) 577-3035

www.co.cowlitz.wa.us/publicworks/

Due Date

7/15/19

Billing Address

LAKESIDE INDUSTRIES

PO Box 7016

Longview Location

Issaquah, WA 98027

please include account number and

invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537267	05-06-19	LF	NW ROCK		PCS - 6 : 28.82 TN	\$720.50	\$25.94	\$746.44
537269	05-06-19	LF	KEN MILLE		PCS - 6 : 30.18 TN	\$754.50	\$27.16	\$781.66
537270	05-06-19	LF	KEN MILLE		PCS - 6 : 34.75 TN	\$868.75	\$31.28	\$900.03
537271	05-06-19	LF	BRUMFIEL		PCS - 6 : 25.52 TN	\$638.00	\$22.97	\$660.97
537273	05-06-19	LF	NW ROCK		PCS - 6 : 36.24 TN	\$906.00	\$32.62	\$938.62
537279	05-06-19	LF	JANKE 27		PCS - 6 : 23.26 TN	\$581.50	\$20.93	\$602.43
537280	05-06-19	LF	JANKE 17		PCS - 6 : 23.41 TN	\$585.25	\$21.07	\$606.32
537283	05-06-19	LF	KEN MILLE		PCS - 6 : 25.71 TN	\$642.75	\$23.14	\$665.89
537284	05-06-19	LF	QUIGG 55-		PCS - 6 : 29.23 TN	\$730.75	\$26.31	\$757.06
537285	05-06-19	LF	QUIGG 55-		PCS - 6 : 28.35 TN	\$708.75	\$25.52	\$734.27
537289	05-06-19	LF	KEN MILLE		PCS - 6 : 28.73 TN	\$718.25	\$25.86	\$744.11
537291	05-06-19	LF	KEN MILLE		PCS - 6 : 28.40 TN	\$710.00	\$25.56	\$735.56
537294	05-06-19	LF	KEN MILLE		PCS - 6 : 27.94 TN	\$698.50	\$25.15	\$723.65
537297	05-06-19	LF	NW ROCK		PCS - 6 : 30.86 TN	\$771.50	\$27.77	\$799.27
537298	05-06-19	LF	NW ROCK		PCS - 6 : 27.10 TN	\$677.50	\$24.39	\$701.89
537299	05-06-19	LF	BRUMFIEL		PCS - 6 : 25.41 TN	\$635.25	\$22.87	\$658.12
537300	05-06-19	LF	KEN MILLE		PCS - 6 : 35.80 TN	\$895.00	\$32.22	\$927.22
537301	05-06-19	LF	JOHNSON		PCS - 6 : 23.21 TN	\$580.25	\$20.89	\$601.14
537302	05-06-19	LF	MILLER 18		PCS - 6 : 29.99 TN	\$749.75	\$26.99	\$776.74
537304	05-06-19	LF	JOHNSON		PCS - 6 : 22.63 TN	\$565.75	\$20.37	\$586.12
537306	05-06-19	LF	NW ROCK		PCS - 6 : 28.69 TN	\$717.25	\$25.82	\$743.07
537308	05-06-19	LF	JANKE 17		PCS - 6 : 22.74 TN	\$568.50	\$20.47	\$588.97
537310	05-06-19	LF	JANKE 27		PCS - 6 : 22.83 TN	\$570.75	\$20.55	\$591.30
537311	05-06-19	LF	MILLER 6		PCS - 6 : 26.34 TN	\$658.50	\$23.71	\$682.21
537312	05-06-19	LF	QUIG 5573		PCS - 6 : 29.87 TN	\$746.75	\$26.88	\$773.63
537313	05-06-19	LF	QUIGG 554		PCS - 6 : 23.81 TN	\$595.25	\$21.43	\$616.68
537318	05-06-19	LF	MILLER 1		PCS - 6 : 30.82 TN	\$770.50	\$27.74	\$798.24
537324	05-06-19	LF	MILLER 3		PCS - 6 : 30.63 TN	\$765.75	\$27.57	\$793.32
537325	05-06-19	LF	MILLER 9		PCS - 6 : 27.09 TN	\$677.25	\$24.38	\$701.63
537326	05-06-19	LF	NW ROCK		PCS - 6 : 33.09 TN	\$827.25	\$29.78	\$857.03
537328	05-06-19	LF	MILLER 8		PCS - 6 : 34.51 TN	\$862.75	\$31.06	\$893.81
537329	05-06-19	LF	JOHNSON		PCS - 6 : 25.68 TN	\$642.00	\$23.11	\$665.11
537330	05-06-19	LF	MILLER 18		PCS - 6 : 29.77 TN	\$744.25	\$26.79	\$771.04
537331	05-06-19	LF	BRUMFIEL		PCS - 6 : 27.04 TN	\$676.00	\$24.34	\$700.34
537333	05-06-19	LF	JOHNSON		PCS - 6 : 21.90 TN	\$547.50	\$19.71	\$567.21
537340	05-07-19	LF	KEN MILLE		PCS - 6 : 26.19 TN	\$654.75	\$23.57	\$678.32
537342	05-07-19	LF	KEN MILLE		PCS - 6 : 22.85 TN	\$571.25	\$20.57	\$591.82
537344	05-07-19	LF	KEN MILLE		PCS - 6 : 26.74 TN	\$668.50	\$24.07	\$692.57
537349	05-07-19	LF	KEN MILLE		PCS - 6 : 28.30 TN	\$707.50	\$25.47	\$732.97

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537350	05-07-19	LF	KEN MILLE		PCS - 6 : 32.43 TN	\$810.75	\$29.19	\$839.94
537351	05-07-19	LF	NW ROCK		PCS - 6 : 36.08 TN	\$902.00	\$32.47	\$934.47
537352	05-07-19	LF	NW ROCK		PCS - 6 : 31.69 TN	\$792.25	\$28.52	\$820.77
537354	05-07-19	LF	NW ROCK		PCS - 6 : 30.77 TN	\$769.25	\$27.69	\$796.94
537355	05-07-19	LF	MERITUS 4		PCS - 6 : 32.89 TN	\$822.25	\$29.60	\$851.85
537358	05-07-19	LF	QUIGG 55-		PCS - 6 : 30.29 TN	\$757.25	\$27.26	\$784.51
537359	05-07-19	LF	QUIGG 55-		PCS - 6 : 23.89 TN	\$597.25	\$21.50	\$618.75
537360	05-07-19	LF	BRUMFIEL		PCS - 6 : 27.37 TN	\$684.25	\$24.63	\$708.88
537361	05-07-19	LF	KEN MILLE		PCS - 6 : 29.81 TN	\$745.25	\$26.83	\$772.08
537362	05-07-19	LF	JANKE 11		PCS - 6 : 33.77 TN	\$844.25	\$30.39	\$874.64
537363	05-07-19	LF	JANKE 17		PCS - 6 : 24.06 TN	\$601.50	\$21.65	\$623.15
537364	05-07-19	LF	JANKE 27		PCS - 6 : 24.11 TN	\$602.75	\$21.70	\$624.45
537369	05-07-19	LF	KEN JOHN		PCS - 6 : 24.84 TN	\$621.00	\$22.36	\$643.36
537370	05-07-19	LF	KEN JOHN		PCS - 6 : 23.47 TN	\$586.75	\$21.12	\$607.87
537378	05-07-19	LF	KEN MILLE		PCS - 6 : 26.75 TN	\$668.75	\$24.08	\$692.83
537381	05-07-19	LF	KEN MILLE		PCS - 6 : 27.75 TN	\$693.75	\$24.98	\$718.73
537382	05-07-19	LF	KEN MILLE		PCS - 6 : 30.61 TN	\$765.25	\$27.55	\$792.80
537385	05-07-19	LF	KEN MILLE		PCS - 6 : 33.46 TN	\$836.50	\$30.11	\$866.61
537386	05-07-19	LF	NW ROCK		PCS - 6 : 38.32 TN	\$958.00	\$34.49	\$992.49
537388	05-07-19	LF	NW ROCK		PCS - 6 : 39.64 TN	\$991.00	\$35.68	\$1,026.68
537389	05-07-19	LF	NW ROCK		PCS - 6 : 31.96 TN	\$799.00	\$28.76	\$827.76
537391	05-07-19	LF	MERITUS 4		PCS - 6 : 33.20 TN	\$830.00	\$29.88	\$859.88
537392	05-07-19	LF	QUIGG 55-		PCS - 6 : 27.74 TN	\$693.50	\$24.97	\$718.47
537393	05-07-19	LF	QUIGG 55-		PCS - 6 : 27.39 TN	\$684.75	\$24.65	\$709.40
537394	05-07-19	LF	KEN MILLE		PCS - 6 : 32.40 TN	\$810.00	\$29.16	\$839.16
537395	05-07-19	LF	BRUMFIEL		PCS - 6 : 27.41 TN	\$685.25	\$24.67	\$709.92
537397	05-07-19	LF	JANKE 11		PCS - 6 : 30.84 TN	\$771.00	\$27.76	\$798.76
537398	05-07-19	LF	KEN MILLE		PCS - 6 : 32.42 TN	\$810.50	\$29.18	\$839.68
537400	05-07-19	LF	KEN JOHN		PCS - 6 : 24.71 TN	\$617.75	\$22.24	\$639.99
537401	05-07-19	LF	KEN JOHN		PCS - 6 : 24.67 TN	\$616.75	\$22.20	\$638.95
537403	05-07-19	LF	JANKE 27		PCS - 6 : 21.16 TN	\$529.00	\$19.04	\$548.04
537404	05-07-19	LF	JANKE 17		PCS - 6 : 20.00 TN	\$500.00	\$18.00	\$518.00
537409	05-07-19	LF	KEN MILLE		PCS - 6 : 26.39 TN	\$659.75	\$23.75	\$683.50
537410	05-07-19	LF	KEN MILLE		PCS - 6 : 26.98 TN	\$674.50	\$24.28	\$698.78
537411	05-07-19	LF	KEN MILLE		PCS - 6 : 28.48 TN	\$712.00	\$25.63	\$737.63
537413	05-07-19	LF	NW ROCK		PCS - 6 : 38.86 TN	\$971.50	\$34.97	\$1,006.47
537414	05-07-19	LF	NW ROCK		PCS - 6 : 35.48 TN	\$887.00	\$31.93	\$918.93
537415	05-07-19	LF	NW ROCK		PCS - 6 : 29.94 TN	\$748.50	\$26.95	\$775.45
537416	05-07-19	LF	MERITUS 4		PCS - 6 : 29.58 TN	\$739.50	\$26.62	\$766.12

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537417	05-07-19	LF	QUIGG 55-		PCS - 6 : 30.65 TN	\$766.25	\$27.59	\$793.84
537418	05-07-19	LF	KEN MILLE		PCS - 6 : 28.18 TN	\$704.50	\$25.36	\$729.86
537419	05-07-19	LF	QUIGG 55-		PCS - 6 : 25.96 TN	\$649.00	\$23.36	\$672.36
537420	05-07-19	LF	BRUMFIEL		PCS - 6 : 28.96 TN	\$724.00	\$26.06	\$750.06
537422	05-07-19	LF	KEN MILLE		PCS - 6 : 34.00 TN	\$850.00	\$30.60	\$880.60
537423	05-07-19	LF	LAKESIDE		PCS - 6 : 24.41 TN	\$610.25	\$21.97	\$632.22
537428	05-07-19	LF	KEN MILLE		PCS - 6 : 33.32 TN	\$833.00	\$29.99	\$862.99
537429	05-07-19	LF	LAKESIDE		PCS - 6 : 29.14 TN	\$728.50	\$26.23	\$754.73
537430	05-07-19	LF	JANKE 17		PCS - 6 : 22.24 TN	\$556.00	\$20.02	\$576.02
537432	05-07-19	LF	JANKE 27		PCS - 6 : 20.31 TN	\$507.75	\$18.28	\$526.03
537433	05-07-19	LF	JANKE 11		PCS - 6 : 30.13 TN	\$753.25	\$27.12	\$780.37
537434	05-07-19	LF	KEN JOHN		PCS - 6 : 25.30 TN	\$632.50	\$22.77	\$655.27
537435	05-07-19	LF	KEN JOHN		PCS - 6 : 22.46 TN	\$561.50	\$20.21	\$581.71
537436	05-07-19	LF	LAKESIDE		PCS - 6 : 32.62 TN	\$815.50	\$29.36	\$844.86
537444	05-07-19	LF	KEN MILLE		PCS - 6 : 27.04 TN	\$676.00	\$24.34	\$700.34
537448	05-07-19	LF	KEN MILLE		PCS - 6 : 26.67 TN	\$666.75	\$24.00	\$690.75
537450	05-07-19	LF	NW ROCK		PCS - 6 : 32.67 TN	\$816.75	\$29.40	\$846.15
537452	05-07-19	LF	NW ROCK		PCS - 6 : 32.37 TN	\$809.25	\$29.13	\$838.38
537453	05-07-19	LF	MERITUS 4		PCS - 6 : 24.42 TN	\$610.50	\$21.98	\$632.48
537457	05-07-19	LF	KEN MILLE		PCS - 6 : 26.04 TN	\$651.00	\$23.44	\$674.44
537461	05-07-19	LF	NW ROCK		PCS - 6 : 26.25 TN	\$656.25	\$23.63	\$679.88
537464	05-07-19	LF	MILLER 1		PCS - 6 : 28.87 TN	\$721.75	\$25.98	\$747.73
537465	05-07-19	LF	QUIGG 557		PCS - 6 : 26.39 TN	\$659.75	\$23.75	\$683.50
537466	05-07-19	LF	QUIGG 55		PCS - 6 : 26.33 TN	\$658.25	\$23.70	\$681.95
537467	05-07-19	LF	BRUMFIEL		PCS - 6 : 25.95 TN	\$648.75	\$23.36	\$672.11
537470	05-07-19	LF	MILLER 8		PCS - 6 : 30.61 TN	\$765.25	\$27.55	\$792.80
537473	05-07-19	LF	JOHNSON		PCS - 6 : 23.28 TN	\$582.00	\$20.95	\$602.95
537474	05-07-19	LF	JOHNSON		PCS - 6 : 21.55 TN	\$538.75	\$19.40	\$558.15
537475	05-07-19	LF	MILLER 18		PCS - 6 : 30.81 TN	\$770.25	\$27.73	\$797.98
537476	05-07-19	LF	LAKESIDE		PCS - 6 : 30.03 TN	\$750.75	\$27.03	\$777.78
537477	05-07-19	LF	JANKE 11		PCS - 6 : 32.87 TN	\$821.75	\$29.58	\$851.33
537478	05-07-19	LF	JANKE 27		PCS - 6 : 23.77 TN	\$594.25	\$21.39	\$615.64
537480	05-07-19	LF	JANKE 17		PCS - 6 : 26.69 TN	\$667.25	\$24.02	\$691.27
537483	05-08-19	LF	KEN MILLE		PCS - 6 : 24.34 TN	\$608.50	\$21.91	\$630.41
537484	05-08-19	LF	KEN MILLE		PCS - 6 : 23.84 TN	\$596.00	\$21.46	\$617.46
537486	05-08-19	LF	MERITUS 4		PCS - 6 : 24.57 TN	\$614.25	\$22.11	\$636.36
537488	05-08-19	LF	KEN MILLI		PCS - 6 : 23.99 TN	\$599.75	\$21.59	\$621.34
537490	05-08-19	LF	KEN MILLE		PCS - 6 : 27.93 TN	\$698.25	\$25.14	\$723.39
537491	05-08-19	LF	KEN MILLE		PCS - 6 : 25.14 TN	\$628.50	\$22.63	\$651.13

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537492	05-08-19	LF	NW ROCK		PCS - 6 : 28.20 TN	\$705.00	\$25.38	\$730.38
537493	05-08-19	LF	NW ROCK		PCS - 6 : 27.69 TN	\$692.25	\$24.92	\$717.17
537494	05-08-19	LF	NW ROCK		PCS - 6 : 31.76 TN	\$794.00	\$28.58	\$822.58
537495	05-08-19	LF	QUIGG 55-		PCS - 6 : 24.07 TN	\$601.75	\$21.66	\$623.41
537497	05-08-19	LF	QUIGG 55-		PCS - 6 : 27.82 TN	\$695.50	\$25.04	\$720.54
537498	05-08-19	LF	KEN MILLE		PCS - 6 : 24.76 TN	\$619.00	\$22.28	\$641.28
537500	05-08-19	LF	BRUMFIEL		PCS - 6 : 28.46 TN	\$711.50	\$25.61	\$737.11
537504	05-08-19	LF	JANKE 17		PCS - 6 : 27.56 TN	\$689.00	\$24.80	\$713.80
537511	05-08-19	LF	KEN JOHN		PCS - 6 : 24.46 TN	\$611.50	\$22.01	\$633.51
537512	05-08-19	LF	KEN JOHN		PCS - 6 : 24.33 TN	\$608.25	\$21.90	\$630.15
537514	05-08-19	LF	JANKE 2		PCS - 6 : 27.80 TN	\$695.00	\$25.02	\$720.02
537518	05-08-19	LF	KEN MILLE		PCS - 6 : 26.54 TN	\$663.50	\$23.89	\$687.39
537519	05-08-19	LF	KEN MILLE		PCS - 6 : 24.67 TN	\$616.75	\$22.20	\$638.95
537520	05-08-19	LF	JANKE 28		PCS - 6 : 33.72 TN	\$843.00	\$30.35	\$873.35
537521	05-08-19	LF	MERITUS 4		PCS - 6 : 34.35 TN	\$858.75	\$30.92	\$889.67
537522	05-08-19	LF	KEN MILLE		PCS - 6 : 31.48 TN	\$787.00	\$28.33	\$815.33
537524	05-08-19	LF	KEN MILLE		PCS - 6 : 36.39 TN	\$909.75	\$32.75	\$942.50
537525	05-08-19	LF	NW ROCK		PCS - 6 : 32.34 TN	\$808.50	\$29.11	\$837.61
537527	05-08-19	LF	NW ROCK		PCS - 6 : 34.75 TN	\$868.75	\$31.28	\$900.03
537529	05-08-19	LF	NW ROCK		PCS - 6 : 25.40 TN	\$635.00	\$22.86	\$657.86
537530	05-08-19	LF	QUIGG 55-		PCS - 6 : 25.13 TN	\$628.25	\$22.62	\$650.87
537531	05-08-19	LF	QUIGG 55-		PCS - 6 : 27.21 TN	\$680.25	\$24.49	\$704.74
537532	05-08-19	LF	BRUMFIEL		PCS - 6 : 28.37 TN	\$709.25	\$25.53	\$734.78
537534	05-08-19	LF	JANKE 17		PCS - 6 : 25.15 TN	\$628.75	\$22.64	\$651.39
537535	05-08-19	LF	KEN MILLE		PCS - 6 : 27.64 TN	\$691.00	\$24.88	\$715.88
537539	05-08-19	LF	KEN JOHN		PCS - 6 : 24.09 TN	\$602.25	\$21.68	\$623.93
537540	05-08-19	LF	KEN JOHN		PCS - 6 : 20.48 TN	\$512.00	\$18.43	\$530.43
537541	05-08-19	LF	JANKE 2		PCS - 6 : 33.23 TN	\$830.75	\$29.91	\$860.66
537544	05-08-19	LF	KEN MILLE		PCS - 6 : 25.69 TN	\$642.25	\$23.12	\$665.37
537545	05-08-19	LF	KEN MILLE		PCS - 6 : 28.37 TN	\$709.25	\$25.53	\$734.78
537546	05-08-19	LF	LAKESIDE		PCS - 6 : 29.44 TN	\$736.00	\$26.50	\$762.50
537547	05-08-19	LF	LAKESIDE		PCS - 6 : 30.88 TN	\$772.00	\$27.79	\$799.79
537548	05-08-19	LF	KEN MILLE		PCS - 6 : 32.85 TN	\$821.25	\$29.57	\$850.82
537549	05-08-19	LF	KEN MILLE		PCS - 6 : 29.53 TN	\$738.25	\$26.58	\$764.83
537550	05-08-19	LF	MERITUS 4		PCS - 6 : 30.75 TN	\$768.75	\$27.68	\$796.43
537551	05-08-19	LF	NW ROCK		PCS - 6 : 32.49 TN	\$812.25	\$29.24	\$841.49
537553	05-08-19	LF	NW ROCK		PCS - 6 : 31.20 TN	\$780.00	\$28.08	\$808.08
537554	05-08-19	LF	NW ROCK		PCS - 6 : 30.01 TN	\$750.25	\$27.01	\$777.26
537555	05-08-19	LF	QUIGG 55-		PCS - 6 : 27.13 TN	\$678.25	\$24.42	\$702.67

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537558	05-08-19	LF	JANKE 28		PCS - 6 : 30.75 TN	\$768.75	\$27.68	\$796.43
537559	05-08-19	LF	QUIGG 55-		PCS - 6 : 27.38 TN	\$684.50	\$24.64	\$709.14
537560	05-08-19	LF	BRUMFIEL		PCS - 6 : 27.77 TN	\$694.25	\$24.99	\$719.24
537562	05-08-19	LF	KEN MILLE		PCS - 6 : 30.11 TN	\$752.75	\$27.10	\$779.85
537564	05-08-19	LF	JANKE 17		PCS - 6 : 24.17 TN	\$604.25	\$21.75	\$626.00
537568	05-08-19	LF	KEN JOHN		PCS - 6 : 23.90 TN	\$597.50	\$21.51	\$619.01
537569	05-08-19	LF	KEN JOHN		PCS - 6 : 23.67 TN	\$591.75	\$21.30	\$613.05
537574	05-08-19	LF	JANKE 2		PCS - 6 : 29.93 TN	\$748.25	\$26.94	\$775.19
537575	05-08-19	LF	KEN MILLE		PCS - 6 : 26.73 TN	\$668.25	\$24.06	\$692.31
537576	05-08-19	LF	KEN MILLE		PCS - 6 : 25.41 TN	\$635.25	\$22.87	\$658.12
537581	05-08-19	LF	LAKESIDE		PCS - 6 : 30.07 TN	\$751.75	\$27.06	\$778.81
537582	05-08-19	LF	LAKESIDE		PCS - 6 : 30.04 TN	\$751.00	\$27.04	\$778.04
537587	05-08-19	LF	KEN MILLE		PCS - 6 : 30.84 TN	\$771.00	\$27.76	\$798.76
537594	05-08-19	LF	MARITUS 4		PCS - 6 : 28.52 TN	\$713.00	\$25.67	\$738.67
537595	05-08-19	LF	NW ROCK		PCS - 6 : 31.69 TN	\$792.25	\$28.52	\$820.77
537596	05-08-19	LF	NW ROCK		PCS - 6 : 32.21 TN	\$805.25	\$28.99	\$834.24
537597	05-08-19	LF	BRUMFIEL		PCS - 6 : 28.32 TN	\$708.00	\$25.49	\$733.49
537598	05-08-19	LF	NW ROCK		PCS - 6 : 28.67 TN	\$716.75	\$25.80	\$742.55
537599	05-08-19	LF	QUIGG 554		PCS - 6 : 23.84 TN	\$596.00	\$21.46	\$617.46
537600	05-08-19	LF	MILLER 8		PCS - 6 : 32.83 TN	\$820.75	\$29.55	\$850.30
537601	05-08-19	LF	QUIGG 55		PCS - 6 : 27.52 TN	\$688.00	\$24.77	\$712.77
537602	05-08-19	LF	JENKE 17		PCS - 6 : 24.65 TN	\$616.25	\$22.19	\$638.44
537604	05-08-19	LF	MILLER 16		PCS - 6 : 28.88 TN	\$722.00	\$25.99	\$747.99
537605	05-08-19	LF	JANKE 28		PCS - 6 : 31.35 TN	\$783.75	\$28.22	\$811.97
537608	05-08-19	LF	JOHNSON		PCS - 6 : 24.31 TN	\$607.75	\$21.88	\$629.63
537609	05-08-19	LF	JOHNSON		PCS - 6 : 21.63 TN	\$540.75	\$19.47	\$560.22
537616	05-09-19	LF	KEN MILLE		PCS - 6 : 24.03 TN	\$600.75	\$21.63	\$622.38
537617	05-09-19	LF	KEN MILLE		PCS - 6 : 23.81 TN	\$595.25	\$21.43	\$616.68
537621	05-09-19	LF	KEN MILLE		PCS - 6 : 30.97 TN	\$774.25	\$27.87	\$802.12
537622	05-09-19	LF	KEN MILLE		PCS - 6 : 30.01 TN	\$750.25	\$27.01	\$777.26
537623	05-09-19	LF	MERITUS 4		PCS - 6 : 28.08 TN	\$702.00	\$25.27	\$727.27
537625	05-09-19	LF	KEN MILLE		PCS - 6 : 26.52 TN	\$663.00	\$23.87	\$686.87
537626	05-09-19	LF	NW ROCK		PCS - 6 : 31.98 TN	\$799.50	\$28.78	\$828.28
537627	05-09-19	LF	NW ROCK		PCS - 6 : 30.47 TN	\$761.75	\$27.42	\$789.17
537629	05-09-19	LF	NW ROCK		PCS - 6 : 27.49 TN	\$687.25	\$24.74	\$711.99
537630	05-09-19	LF	JANKE 7		PCS - 6 : 23.41 TN	\$585.25	\$21.07	\$606.32
537632	05-09-19	LF	QUIGG 55-		PCS - 6 : 26.12 TN	\$653.00	\$23.51	\$676.51
537635	05-09-19	LF	QUIGG 55-		PCS - 6 : 25.32 TN	\$633.00	\$22.79	\$655.79
537637	05-09-19	LF	BRUMFIEL		PCS - 6 : 27.53 TN	\$688.25	\$24.78	\$713.03

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537641	05-09-19	LF	KEN JOHN		PCS - 6 : 24.61 TN	\$615.25	\$22.15	\$637.40
537642	05-09-19	LF	KEN JOHN		PCS - 6 : 23.86 TN	\$596.50	\$21.47	\$617.97
537646	05-09-19	LF	LAKESIDE		PCS - 6 : 29.97 TN	\$749.25	\$26.97	\$776.22
537648	05-09-19	LF	JANKE 2		PCS - 6 : 31.90 TN	\$797.50	\$28.71	\$826.21
537654	05-09-19	LF	LAKESIDE		PCS - 6 : 30.85 TN	\$771.25	\$27.77	\$799.02
537655	05-09-19	LF	LAKESIDE		PCS - 6 : 29.99 TN	\$749.75	\$26.99	\$776.74
537656	05-09-19	LF	KEN MILLE		PCS - 6 : 24.73 TN	\$618.25	\$22.26	\$640.51
537657	05-09-19	LF	KEN MILLE		PCS - 6 : 28.30 TN	\$707.50	\$25.47	\$732.97
537659	05-09-19	LF	KEN MILLE		PCS - 6 : 37.19 TN	\$929.75	\$33.47	\$963.22
537662	05-09-19	LF	KEN MILLE		PCS - 6 : 31.44 TN	\$786.00	\$28.30	\$814.30
537663	05-09-19	LF	NW ROCK		PCS - 6 : 34.07 TN	\$851.75	\$30.66	\$882.41
537664	05-09-19	LF	NW ROCK		PCS - 6 : 35.62 TN	\$890.50	\$32.06	\$922.56
537665	05-09-19	LF	NW ROCK		PCS - 6 : 27.64 TN	\$691.00	\$24.88	\$715.88
537666	05-09-19	LF	LAKESIDE		PCS - 6 : 31.97 TN	\$799.25	\$28.77	\$828.02
537668	05-09-19	LF	MERITUS 4		PCS - 6 : 29.62 TN	\$740.50	\$26.66	\$767.16
537669	05-09-19	LF	KEN MILLE		PCS - 6 : 31.25 TN	\$781.25	\$28.13	\$809.38
537671	05-09-19	LF	QUIGG 55-		PCS - 6 : 29.98 TN	\$749.50	\$26.98	\$776.48
537672	05-09-19	LF	QUIGG 55-		PCS - 6 : 25.74 TN	\$643.50	\$23.17	\$666.67
537673	05-09-19	LF	BRUMFIEL		PCS - 6 : 26.24 TN	\$656.00	\$23.62	\$679.62
537674	05-09-19	LF	JANKE 17		PCS - 6 : 24.70 TN	\$617.50	\$22.23	\$639.73
537678	05-09-19	LF	KEN JOHN		PCS - 6 : 22.93 TN	\$573.25	\$20.64	\$593.89
537679	05-09-19	LF	KEN JOHN		PCS - 6 : 23.11 TN	\$577.75	\$20.80	\$598.55
537680	05-09-19	LF	LAKESIDE		PCS - 6 : 29.26 TN	\$731.50	\$26.33	\$757.83
537681	05-09-19	LF	JANKE 2		PCS - 6 : 29.09 TN	\$727.25	\$26.18	\$753.43
537682	05-09-19	LF	LAKESIDE		PCS - 6 : 32.17 TN	\$804.25	\$28.95	\$833.20
537683	05-09-19	LF	LAKESIDE		PCS - 6 : 34.89 TN	\$872.25	\$31.40	\$903.65
537685	05-09-19	LF	KEN MILLE		PCS - 6 : 26.62 TN	\$665.50	\$23.96	\$689.46
537686	05-09-19	LF	KEN MILLE		PCS - 6 : 29.22 TN	\$730.50	\$26.30	\$756.80
537687	05-09-19	LF	KEN MILLE		PCS - 6 : 31.99 TN	\$799.75	\$28.79	\$828.54
537689	05-09-19	LF	KEN MILLE		PCS - 6 : 29.37 TN	\$734.25	\$26.43	\$760.68
537690	05-09-19	LF	NW ROCK		PCS - 6 : 33.08 TN	\$827.00	\$29.77	\$856.77
537691	05-09-19	LF	NW ROCK		PCS - 6 : 33.03 TN	\$825.75	\$29.73	\$855.48
537693	05-09-19	LF	NW ROCK		PCS - 6 : 28.46 TN	\$711.50	\$25.61	\$737.11
537695	05-09-19	LF	MERITUS 4		PCS - 6 : 30.46 TN	\$761.50	\$27.41	\$788.91
537696	05-09-19	LF	QUIGG 55-		PCS - 6 : 28.73 TN	\$718.25	\$25.86	\$744.11
537698	05-09-19	LF	LAKESIDE		PCS - 6 : 32.45 TN	\$811.25	\$29.21	\$840.46
537699	05-09-19	LF	KEN MILLE		PCS - 6 : 31.86 TN	\$796.50	\$28.67	\$825.17
537700	05-09-19	LF	QUIGG 55-		PCS - 6 : 27.47 TN	\$686.75	\$24.72	\$711.47
537702	05-09-19	LF	BRUMFIEL		PCS - 6 : 27.41 TN	\$685.25	\$24.67	\$709.92

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537703	05-09-19	LF	JANKE 17		PCS - 6 : 23.25 TN	\$581.25	\$20.93	\$602.18
537706	05-09-19	LF	KEN JOHN		PCS - 6 : 23.33 TN	\$583.25	\$21.00	\$604.25
537707	05-09-19	LF	KEN JOHN		PCS - 6 : 24.14 TN	\$603.50	\$21.73	\$625.23
537711	05-09-19	LF	LAKESIDE		PCS - 6 : 31.17 TN	\$779.25	\$28.05	\$807.30
537714	05-09-19	LF	JANKE 2		PCS - 6 : 31.01 TN	\$775.25	\$27.91	\$803.16
537717	05-09-19	LF	LAKESIDE		PCS - 6 : 30.62 TN	\$765.50	\$27.56	\$793.06
537720	05-09-19	LF	KEN MILLE		PCS - 6 : 25.26 TN	\$631.50	\$22.73	\$654.23
537721	05-09-19	LF	LAKESIDE		PCS - 6 : 30.67 TN	\$766.75	\$27.60	\$794.35
537727	05-09-19	LF	NW ROCK		PCS - 6 : 34.23 TN	\$855.75	\$30.81	\$886.56
537728	05-09-19	LF	NW ROCK		PCS - 6 : 32.22 TN	\$805.50	\$29.00	\$834.50
537729	05-09-19	LF	KEN MILLE		PCS - 6 : 29.82 TN	\$745.50	\$26.84	\$772.34
537730	05-09-19	LF	QUIGG 557		PCS - 6 : 28.32 TN	\$708.00	\$25.49	\$733.49
537731	05-09-19	LF	MERITUS 4		PCS - 6 : 31.23 TN	\$780.75	\$28.11	\$808.86
537734	05-09-19	LF	NW ROCK		PCS - 6 : 28.64 TN	\$716.00	\$25.78	\$741.78
537737	05-09-19	LF	QUIGG 55		PCS - 6 : 24.99 TN	\$624.75	\$22.49	\$647.24
537738	05-09-19	LF	MILLER 1		PCS - 6 : 29.76 TN	\$744.00	\$26.78	\$770.78
537739	05-09-19	LF	JANKE 17		PCS - 6 : 23.79 TN	\$594.75	\$21.41	\$616.16
537740	05-09-19	LF	LAKESIDE		PCS - 6 : 30.45 TN	\$761.25	\$27.41	\$788.66
537741	05-09-19	LF	BRUMFIEL		PCS - 6 : 24.64 TN	\$616.00	\$22.18	\$638.18
537744	05-09-19	LF	JOHNSON		PCS - 6 : 22.89 TN	\$572.25	\$20.60	\$592.85
537745	05-09-19	LF	JOHNSON		PCS - 6 : 25.55 TN	\$638.75	\$23.00	\$661.75
537747	05-09-19	LF	MILLER 18		PCS - 6 : 31.75 TN	\$793.75	\$28.58	\$822.33
537755	05-10-19	LF	KEN MILLE		PCS - 6 : 25.70 TN	\$642.50	\$23.13	\$665.63
537757	05-10-19	LF	MERITUS 4		PCS - 6 : 29.36 TN	\$734.00	\$26.42	\$760.42
537758	05-10-19	LF	KEN MILLE		PCS - 6 : 24.68 TN	\$617.00	\$22.21	\$639.21
537760	05-10-19	LF	KEN MILLE		PCS - 6 : 30.97 TN	\$774.25	\$27.87	\$802.12
537761	05-10-19	LF	NW ROCK		PCS - 6 : 31.64 TN	\$791.00	\$28.48	\$819.48
537762	05-10-19	LF	NW ROCK		PCS - 6 : 31.54 TN	\$788.50	\$28.39	\$816.89
537765	05-10-19	LF	NW ROCK		PCS - 6 : 26.02 TN	\$650.50	\$23.42	\$673.92
537766	05-10-19	LF	QUIGG 55-		PCS - 6 : 28.25 TN	\$706.25	\$25.43	\$731.68
537767	05-10-19	LF	QUIGG 55-		PCS - 6 : 26.39 TN	\$659.75	\$23.75	\$683.50
537768	05-10-19	LF	JANKE 17		PCS - 6 : 23.62 TN	\$590.50	\$21.26	\$611.76
537770	05-10-19	LF	KEN MILLE		PCS - 6 : 28.97 TN	\$724.25	\$26.07	\$750.32
537771	05-10-19	LF	LAKESIDE		PCS - 6 : 30.17 TN	\$754.25	\$27.15	\$781.40
537772	05-10-19	LF	KEN MILLE		PCS - 6 : 32.33 TN	\$808.25	\$29.10	\$837.35
537775	05-10-19	LF	KEN MILLE		PCS - 6 : 23.58 TN	\$589.50	\$21.22	\$610.72
537779	05-10-19	LF	JANKE 28		PCS - 6 : 30.74 TN	\$768.50	\$27.67	\$796.17
537784	05-10-19	LF	JANKE 27		PCS - 6 : 24.88 TN	\$622.00	\$22.39	\$644.39
537785	05-10-19	LF	LAKESIDE		PCS - 6 : 29.59 TN	\$739.75	\$26.63	\$766.38

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537790	05-10-19	LF	LAKESIDE		PCS - 6 : 29.24 TN	\$731.00	\$26.32	\$757.32
537791	05-10-19	LF	LAKESIDE		PCS - 6 : 35.94 TN	\$898.50	\$32.35	\$930.85
537792	05-10-19	LF	SWINDEKI		PCS - 6 : 29.79 TN	\$744.75	\$26.81	\$771.56
537794	05-10-19	LF	KEN MILLE		PCS - 6 : 27.39 TN	\$684.75	\$24.65	\$709.40
537797	05-10-19	LF	KEN JOHN		PCS - 6 : 24.73 TN	\$618.25	\$22.26	\$640.51
537798	05-10-19	LF	MERITUS 4		PCS - 6 : 29.51 TN	\$737.75	\$26.56	\$764.31
537801	05-10-19	LF	NW ROCK		PCS - 6 : 30.97 TN	\$774.25	\$27.87	\$802.12
537802	05-10-19	LF	NW ROCK		PCS - 6 : 29.95 TN	\$748.75	\$26.96	\$775.71
537803	05-10-19	LF	NW ROCK		PCS - 6 : 28.44 TN	\$711.00	\$25.60	\$736.60
537804	05-10-19	LF	QUIGG 55-		PCS - 6 : 26.75 TN	\$668.75	\$24.08	\$692.83
537805	05-10-19	LF	QUIGG 55-		PCS - 6 : 24.30 TN	\$607.50	\$21.87	\$629.37
537807	05-10-19	LF	KEN MILLE		PCS - 6 : 26.22 TN	\$655.50	\$23.60	\$679.10
537808	05-10-19	LF	KEN MILLE		PCS - 6 : 30.91 TN	\$772.75	\$27.82	\$800.57
537810	05-10-19	LF	KEN MILLE		PCS - 6 : 27.40 TN	\$685.00	\$24.66	\$709.66
537811	05-10-19	LF	KEN JOHN		PCS - 6 : 22.64 TN	\$566.00	\$20.38	\$586.38
537812	05-10-19	LF	JANKE 17		PCS - 6 : 23.26 TN	\$581.50	\$20.93	\$602.43
537813	05-10-19	LF	LAKESIDE		PCS - 6 : 35.92 TN	\$898.00	\$32.33	\$930.33
537814	05-10-19	LF	JANKE 28		PCS - 6 : 29.08 TN	\$727.00	\$26.17	\$753.17
537819	05-10-19	LF	KEN MILLE		PCS - 6 : 31.87 TN	\$796.75	\$28.68	\$825.43
537821	05-10-19	LF	JANKE 27		PCS - 6 : 23.59 TN	\$589.75	\$21.23	\$610.98
537822	05-10-19	LF	LAKESIDE		PCS - 6 : 29.90 TN	\$747.50	\$26.91	\$774.41
537824	05-10-19	LF	SWIDECKI		PCS - 6 : 30.26 TN	\$756.50	\$27.23	\$783.73
537825	05-10-19	LF	KEN MILLE		PCS - 6 : 26.76 TN	\$669.00	\$24.08	\$693.08
537827	05-10-19	LF	LAKESIDE		PCS - 6 : 30.66 TN	\$766.50	\$27.59	\$794.09
537828	05-10-19	LF	LAKESIDE		PCS - 6 : 31.25 TN	\$781.25	\$28.13	\$809.38
537830	05-10-19	LF	KEN JOHN		PCS - 6 : 24.42 TN	\$610.50	\$21.98	\$632.48
537831	05-10-19	LF	MERITUS 4		PCS - 6 : 29.61 TN	\$740.25	\$26.65	\$766.90
537832	05-10-19	LF	NW ROCK		PCS - 6 : 31.44 TN	\$786.00	\$28.30	\$814.30
537833	05-10-19	LF	NW ROCK		PCS - 6 : 31.29 TN	\$782.25	\$28.16	\$810.41
537834	05-10-19	LF	NW ROCK		PCS - 6 : 27.69 TN	\$692.25	\$24.92	\$717.17
537835	05-10-19	LF	KEN MILLE		PCS - 6 : 25.05 TN	\$626.25	\$22.55	\$648.80
537836	05-10-19	LF	QUIGG 55-		PCS - 6 : 27.86 TN	\$696.50	\$25.07	\$721.57
537837	05-10-19	LF	QUIGG 55-		PCS - 6 : 24.67 TN	\$616.75	\$22.20	\$638.95
537840	05-10-19	LF	KEN MILLE		PCS - 6 : 27.47 TN	\$686.75	\$24.72	\$711.47
537841	05-10-19	LF	KEN MILLE		PCS - 6 : 29.53 TN	\$738.25	\$26.58	\$764.83
537842	05-10-19	LF	KEN MILLE		PCS - 6 : 23.17 TN	\$579.25	\$20.85	\$600.10
537843	05-10-19	LF	JANKE 17		PCS - 6 : 22.23 TN	\$555.75	\$20.01	\$575.76
537846	05-10-19	LF	LAKESIDE		PCS - 6 : 30.98 TN	\$774.50	\$27.88	\$802.38
537847	05-10-19	LF	JANKE 28		PCS - 6 : 31.32 TN	\$783.00	\$28.19	\$811.19

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537851	05-10-19	LF	LAKESIDE		PCS - 6 : 31.04 TN	\$776.00	\$27.94	\$803.94
537854	05-10-19	LF	KEN MILLE		PCS - 6 : 29.07 TN	\$726.75	\$26.16	\$752.91
537855	05-10-19	LF	LAKESIDE		PCS - 6 : 24.53 TN	\$613.25	\$22.08	\$635.33
537856	05-10-19	LF	JANKE 27		PCS - 6 : 18.30 TN	\$457.50	\$16.47	\$473.97
537857	05-10-19	LF	SWIDECKI		PCS - 6 : 29.73 TN	\$743.25	\$26.76	\$770.01
537858	05-10-19	LF	KEN MILLE		PCS - 6 : 28.95 TN	\$723.75	\$26.06	\$749.81
537859	05-10-19	LF	LAKESIDE		PCS - 6 : 30.76 TN	\$769.00	\$27.68	\$796.68
537861	05-10-19	LF	KEN JOHN		PCS - 6 : 23.64 TN	\$591.00	\$21.28	\$612.28
537862	05-10-19	LF	LAKESIDE		PCS - 6 : 32.01 TN	\$800.25	\$28.81	\$829.06
537868	05-10-19	LF	NW ROCK		PCS - 6 : 32.62 TN	\$815.50	\$29.36	\$844.86
537869	05-10-19	LF	NW ROCK		PCS - 6 : 32.28 TN	\$807.00	\$29.05	\$836.05
537870	05-10-19	LF	MERITUS		PCS - 6 : 28.71 TN	\$717.75	\$25.84	\$743.59
537871	05-10-19	LF	MILLER 1		PCS - 6 : 24.00 TN	\$600.00	\$21.60	\$621.60
537872	05-10-19	LF	NW ROCK		PCS - 6 : 28.69 TN	\$717.25	\$25.82	\$743.07
537874	05-10-19	LF	QUIGG 557		PCS - 6 : 28.60 TN	\$715.00	\$25.74	\$740.74
537875	05-10-19	LF	QUIGG 554		PCS - 6 : 23.25 TN	\$581.25	\$20.93	\$602.18
537876	05-10-19	LF	JOHNSON		PCS - 6 : 24.04 TN	\$601.00	\$21.64	\$622.64
537877	05-10-19	LF	JANKE 17		PCS - 6 : 23.23 TN	\$580.75	\$20.91	\$601.66
537879	05-10-19	LF	MILLER 1		PCS - 6 : 28.67 TN	\$716.75	\$25.80	\$742.55
537880	05-10-19	LF	MILLER 8		PCS - 6 : 30.78 TN	\$769.50	\$27.70	\$797.20
537882	05-10-19	LF	JANKE 28		PCS - 6 : 31.58 TN	\$789.50	\$28.42	\$817.92
537892	05-13-19	LF	LAKESIDE		PCS - 6 : 32.23 TN	\$805.75	\$29.01	\$834.76
537893	05-13-19	LF	QUIGG 55-		PCS - 6 : 30.11 TN	\$752.75	\$27.10	\$779.85
537894	05-13-19	LF	QUIGG 55-		PCS - 6 : 29.79 TN	\$744.75	\$26.81	\$771.56
537902	05-13-19	LF	LAKESIDE		PCS - 6 : 29.14 TN	\$728.50	\$26.23	\$754.73
537903	05-13-19	LF	MERITUS 4		PCS - 6 : 33.60 TN	\$840.00	\$30.24	\$870.24
537904	05-13-19	LF	JANKE 28		PCS - 6 : 32.03 TN	\$800.75	\$28.83	\$829.58
537905	05-13-19	LF	JANKE 27		PCS - 6 : 23.85 TN	\$596.25	\$21.47	\$617.72
537906	05-13-19	LF	JANKE 17		PCS - 6 : 25.12 TN	\$628.00	\$22.61	\$650.61
537909	05-13-19	LF	KEN JOHN		PCS - 6 : 24.77 TN	\$619.25	\$22.29	\$641.54
537910	05-13-19	LF	KEN JOHN		PCS - 6 : 25.21 TN	\$630.25	\$22.69	\$652.94
537915	05-13-19	LF	KEN MILLE		PCS - 6 : 26.44 TN	\$661.00	\$23.80	\$684.80
537920	05-13-19	LF	KEN MILLE		PCS - 6 : 24.80 TN	\$620.00	\$22.32	\$642.32
537921	05-13-19	LF	KEN MILLE		PCS - 6 : 26.29 TN	\$657.25	\$23.66	\$680.91
537925	05-13-19	LF	LAKESIDE		PCS - 6 : 30.63 TN	\$765.75	\$27.57	\$793.32
537926	05-13-19	LF	QUIGG 55-		PCS - 6 : 25.05 TN	\$626.25	\$22.55	\$648.80
537928	05-13-19	LF	QUIGG 55-		PCS - 6 : 21.98 TN	\$549.50	\$19.78	\$569.28
537930	05-13-19	LF	LAKESIDE		PCS - 6 : 29.93 TN	\$748.25	\$26.94	\$775.19
537931	05-13-19	LF	MERITUS 4		PCS - 6 : 32.02 TN	\$800.50	\$28.82	\$829.32

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
537933	05-13-19	LF	JANKE 17		PCS - 6 : 23.49 TN	\$587.25	\$21.14	\$608.39
537936	05-13-19	LF	JANKE 27		PCS - 6 : 21.23 TN	\$530.75	\$19.11	\$549.86
537937	05-13-19	LF	JANKE 28		PCS - 6 : 31.90 TN	\$797.50	\$28.71	\$826.21
537940	05-13-19	LF	KEN JOHN		PCS - 6 : 23.27 TN	\$581.75	\$20.94	\$602.69
537945	05-13-19	LF	KEN MILLE		PCS - 6 : 27.51 TN	\$687.75	\$24.76	\$712.51
537946	05-13-19	LF	KEN MILLE		PCS - 6 : 23.61 TN	\$590.25	\$21.25	\$611.50
537947	05-13-19	LF	QUIGG 55-		PCS - 6 : 26.27 TN	\$656.75	\$23.64	\$680.39
537948	05-13-19	LF	QUIGG 55-		PCS - 6 : 21.86 TN	\$546.50	\$19.67	\$566.17
537950	05-13-19	LF	LAKESIDE		PCS - 6 : 32.23 TN	\$805.75	\$29.01	\$834.76
537951	05-13-19	LF	KEN MILLE		PCS - 6 : 31.96 TN	\$799.00	\$28.76	\$827.76
537953	05-13-19	LF	LAKESIDE		PCS - 6 : 32.54 TN	\$813.50	\$29.29	\$842.79
537956	05-13-19	LF	JANKE 17		PCS - 6 : 23.94 TN	\$598.50	\$21.55	\$620.05
537959	05-13-19	LF	MERITUS 4		PCS - 6 : 27.02 TN	\$675.50	\$24.32	\$699.82
537961	05-13-19	LF	JANKE 17		PCS - 6 : 22.62 TN	\$565.50	\$20.36	\$585.86
537969	05-13-19	LF	JOHNSON		PCS - 6 : 24.78 TN	\$619.50	\$22.30	\$641.80
537971	05-13-19	LF	MILLER 1		PCS - 6 : 27.80 TN	\$695.00	\$25.02	\$720.02
537972	05-13-19	LF	QUIGG 554		PCS - 6 : 24.47 TN	\$611.75	\$22.02	\$633.77
537974	05-13-19	LF	QUIGG 55		PCS - 6 : 25.55 TN	\$638.75	\$23.00	\$661.75
537975	05-13-19	LF	MILLER 6		PCS - 6 : 29.06 TN	\$726.50	\$26.15	\$752.65
537977	05-13-19	LF	JANKE 24		PCS - 6 : 36.35 TN	\$908.75	\$32.72	\$941.47
537978	05-13-19	LF	MILLER 18		PCS - 6 : 30.94 TN	\$773.50	\$27.85	\$801.35
537979	05-13-19	LF	LAKESIDE		PCS - 6 : 32.31 TN	\$807.75	\$29.08	\$836.83
537980	05-13-19	LF	JANKE 17		PCS - 6 : 20.49 TN	\$512.25	\$18.44	\$530.69
537981	05-13-19	LF	MERITUS		PCS - 6 : 24.78 TN	\$619.50	\$22.30	\$641.80
537983	05-13-19	LF	JANKE 27		PCS - 6 : 20.69 TN	\$517.25	\$18.62	\$535.87
537986	05-13-19	LF	LAKESIDE		PCS - 6 : 31.24 TN	\$781.00	\$28.12	\$809.12
537988	05-13-19	LF	NW ROCK		PCS - 6 : 29.36 TN	\$734.00	\$26.42	\$760.42
537989	05-13-19	LF	NW ROCK		PCS - 6 : 30.25 TN	\$756.25	\$27.23	\$783.48
537990	05-13-19	LF	NW ROCK		PCS - 6 : 28.59 TN	\$714.75	\$25.73	\$740.48
537992	05-13-19	LF	SWIDECKI		PCS - 6 : 32.15 TN	\$803.75	\$28.94	\$832.69
537993	05-13-19	LF	MILLER 8		PCS - 6 : 32.10 TN	\$802.50	\$28.89	\$831.39
537994	05-13-19	LF	MILLER GF		PCS - 6 : 26.95 TN	\$673.75	\$24.26	\$698.01
538005	05-14-19	LF	QUIGG 55-		PCS - 6 : 22.34 TN	\$558.50	\$20.11	\$578.61
538006	05-14-19	LF	LAKESIDE		PCS - 6 : 32.04 TN	\$801.00	\$28.84	\$829.84
538007	05-14-19	LF	QUIGG 55-		PCS - 6 : 24.99 TN	\$624.75	\$22.49	\$647.24
538009	05-14-19	LF	MERITUS 4		PCS - 6 : 31.22 TN	\$780.50	\$28.10	\$808.60
538013	05-14-19	LF	JANKE 27		PCS - 6 : 21.07 TN	\$526.75	\$18.96	\$545.71
538014	05-14-19	LF	JANKE 17		PCS - 6 : 21.74 TN	\$543.50	\$19.57	\$563.07
538016	05-14-19	LF	KEN JOHN		PCS - 6 : 24.80 TN	\$620.00	\$22.32	\$642.32

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538020	05-14-19	LF	NW ROCK		PCS - 6 : 31.83 TN	\$795.75	\$28.65	\$824.40
538021	05-14-19	LF	NW ROCK		PCS - 6 : 30.89 TN	\$772.25	\$27.80	\$800.05
538022	05-14-19	LF	NW ROCK		PCS - 6 : 25.05 TN	\$626.25	\$22.55	\$648.80
538026	05-14-19	LF	JANKE 24		PCS - 6 : 29.53 TN	\$738.25	\$26.58	\$764.83
538027	05-14-19	LF	LAKESIDE		PCS - 6 : 21.55 TN	\$538.75	\$19.40	\$558.15
538028	05-14-19	LF	LAKESIDE		PCS - 6 : 31.97 TN	\$799.25	\$28.77	\$828.02
538031	05-14-19	LF	LAKESIDE		PCS - 6 : 31.87 TN	\$796.75	\$28.68	\$825.43
538034	05-14-19	LF	LAKESIDE		PCS - 6 : 33.31 TN	\$832.75	\$29.98	\$862.73
538038	05-14-19	LF	LAKESIDE		PCS - 6 : 31.87 TN	\$796.75	\$28.68	\$825.43
538040	05-14-19	LF	QUIGG 55-		PCS - 6 : 26.53 TN	\$663.25	\$23.88	\$687.13
538041	05-14-19	LF	QUIGG 55-		PCS - 6 : 26.84 TN	\$671.00	\$24.16	\$695.16
538042	05-14-19	LF	MERITUS 4		PCS - 6 : 34.78 TN	\$869.50	\$31.30	\$900.80
538043	05-14-19	LF	JANKE 27		PCS - 6 : 29.65 TN	\$741.25	\$26.69	\$767.94
538044	05-14-19	LF	LAKESIDE		PCS - 6 : 32.55 TN	\$813.75	\$29.30	\$843.05
538045	05-14-19	LF	KEN JOHN		PCS - 6 : 24.04 TN	\$601.00	\$21.64	\$622.64
538046	05-14-19	LF	KEN JOHN		PCS - 6 : 21.89 TN	\$547.25	\$19.70	\$566.95
538047	05-14-19	LF	JANKE 17		PCS - 6 : 29.74 TN	\$743.50	\$26.77	\$770.27
538050	05-14-19	LF	NW ROCK		PCS - 6 : 38.26 TN	\$956.50	\$34.43	\$990.93
538052	05-14-19	LF	NW ROCK		PCS - 6 : 35.60 TN	\$890.00	\$32.04	\$922.04
538053	05-14-19	LF	NW ROCK		PCS - 6 : 31.95 TN	\$798.75	\$28.76	\$827.51
538054	05-14-19	LF	JANKE 24		PCS - 6 : 36.46 TN	\$911.50	\$32.81	\$944.31
538055	05-14-19	LF	LAKESIDE		PCS - 6 : 24.01 TN	\$600.25	\$21.61	\$621.86
538058	05-14-19	LF	LAKESIDE		PCS - 6 : 30.30 TN	\$757.50	\$27.27	\$784.77
538061	05-14-19	LF	LAKESIDE		PCS - 6 : 29.66 TN	\$741.50	\$26.69	\$768.19
538063	05-14-19	LF	LAKESIDE		PCS - 6 : 32.67 TN	\$816.75	\$29.40	\$846.15
538066	05-14-19	LF	QUIGG 55-		PCS - 6 : 29.37 TN	\$734.25	\$26.43	\$760.68
538067	05-14-19	LF	LAKESIDE		PCS - 6 : 27.48 TN	\$687.00	\$24.73	\$711.73
538068	05-14-19	LF	QUIGG 55-		PCS - 6 : 28.07 TN	\$701.75	\$25.26	\$727.01
538069	05-14-19	LF	JANKE 27		PCS - 6 : 28.09 TN	\$702.25	\$25.28	\$727.53
538070	05-14-19	LF	KEN JOHN		PCS - 6 : 24.27 TN	\$606.75	\$21.84	\$628.59
538071	05-14-19	LF	LAKESIDE		PCS - 6 : 31.17 TN	\$779.25	\$28.05	\$807.30
538072	05-14-19	LF	MERITUS 4		PCS - 6 : 29.77 TN	\$744.25	\$26.79	\$771.04
538073	05-14-19	LF	KEN JOHN		PCS - 6 : 24.85 TN	\$621.25	\$22.37	\$643.62
538074	05-14-19	LF	JANKE 17		PCS - 6 : 28.01 TN	\$700.25	\$25.21	\$725.46
538079	05-14-19	LF	NW ROCK		PCS - 6 : 30.35 TN	\$758.75	\$27.32	\$786.07
538081	05-14-19	LF	NW ROCK		PCS - 6 : 33.60 TN	\$840.00	\$30.24	\$870.24
538084	05-14-19	LF	JANKE 24		PCS - 6 : 28.83 TN	\$720.75	\$25.95	\$746.70
538085	05-14-19	LF	LAKESIDE		PCS - 6 : 24.57 TN	\$614.25	\$22.11	\$636.36
538088	05-14-19	LF	LAKESIDE		PCS - 6 : 32.60 TN	\$815.00	\$29.34	\$844.34

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538093	05-14-19	LF	LAKESIDE		PCS - 6 : 33.18 TN	\$829.50	\$29.86	\$859.36
538095	05-14-19	LF	LAKESIDE		PCS - 6 : 32.95 TN	\$823.75	\$29.66	\$853.41
538097	05-14-19	LF	NW ROCK		PCS - 6 : 32.95 TN	\$823.75	\$29.66	\$853.41
538106	05-14-19	LF	LAKESIDE		PCS - 6 : 31.61 TN	\$790.25	\$28.45	\$818.70
538107	05-14-19	LF	QUIGG 55-		PCS - 6 : 30.62 TN	\$765.50	\$27.56	\$793.06
538108	05-14-19	LF	QUIGG 55-		PCS - 6 : 27.03 TN	\$675.75	\$24.33	\$700.08
538110	05-14-19	LF	JANKE 27		PCS - 6 : 25.32 TN	\$633.00	\$22.79	\$655.79
538111	05-14-19	LF	JOHNSON		PCS - 6 : 25.25 TN	\$631.25	\$22.73	\$653.98
538113	05-14-19	LF	LAKESIDE		PCS - 6 : 33.11 TN	\$827.75	\$29.80	\$857.55
538114	05-14-19	LF	MERITUS		PCS - 6 : 32.61 TN	\$815.25	\$29.35	\$844.60
538117	05-14-19	LF	JANKE 17		PCS - 6 : 24.57 TN	\$614.25	\$22.11	\$636.36
538118	05-14-19	LF	NW ROCK		PCS - 6 : 28.13 TN	\$703.25	\$25.32	\$728.57
538119	05-14-19	LF	NW ROCK		PCS - 6 : 34.67 TN	\$866.75	\$31.20	\$897.95
538126	05-14-19	LF	JANKE 24		PCS - 6 : 30.57 TN	\$764.25	\$27.51	\$791.76
538141	05-15-19	LF	QUIGG 55-		PCS - 6 : 27.74 TN	\$693.50	\$24.97	\$718.47
538142	05-15-19	LF	QUIGG 55-		PCS - 6 : 26.17 TN	\$654.25	\$23.55	\$677.80
538144	05-15-19	LF	MERITUS 4		PCS - 6 : 32.27 TN	\$806.75	\$29.04	\$835.79
538151	05-15-19	LF	LAKESIDE		PCS - 6 : 31.55 TN	\$788.75	\$28.40	\$817.15
538153	05-15-19	LF	KEN JOHN		PCS - 6 : 25.15 TN	\$628.75	\$22.64	\$651.39
538155	05-15-19	LF	JANKE 24		PCS - 6 : 33.26 TN	\$831.50	\$29.93	\$861.43
538156	05-15-19	LF	NW ROCK		PCS - 6 : 31.70 TN	\$792.50	\$28.53	\$821.03
538158	05-15-19	LF	NW ROCK		PCS - 6 : 32.81 TN	\$820.25	\$29.53	\$849.78
538160	05-15-19	LF	NW ROCK		PCS - 6 : 30.80 TN	\$770.00	\$27.72	\$797.72
538162	05-15-19	LF	JANKE 17		PCS - 6 : 22.80 TN	\$570.00	\$20.52	\$590.52
538164	05-15-19	LF	JANKE 27		PCS - 6 : 22.39 TN	\$559.75	\$20.15	\$579.90
538165	05-15-19	LF	JANKE 2		PCS - 6 : 30.37 TN	\$759.25	\$27.33	\$786.58
538175	05-15-19	LF	QUIGG 55-		PCS - 6 : 26.64 TN	\$666.00	\$23.98	\$689.98
538176	05-15-19	LF	QUIGG 55-		PCS - 6 : 28.15 TN	\$703.75	\$25.34	\$729.09
538177	05-15-19	LF	MERITUS 4		PCS - 6 : 29.71 TN	\$742.75	\$26.74	\$769.49
538179	05-15-19	LF	KEN JOHN		PCS - 6 : 22.84 TN	\$571.00	\$20.56	\$591.56
538184	05-15-19	LF	NW ROCK		PCS - 6 : 32.13 TN	\$803.25	\$28.92	\$832.17
538185	05-15-19	LF	NW ROCK		PCS - 6 : 30.55 TN	\$763.75	\$27.50	\$791.25
538187	05-15-19	LF	NW ROCK		PCS - 6 : 26.88 TN	\$672.00	\$24.19	\$696.19
538189	05-15-19	LF	JANKE 17		PCS - 6 : 22.90 TN	\$572.50	\$20.61	\$593.11
538191	05-15-19	LF	JANKE 24		PCS - 6 : 30.69 TN	\$767.25	\$27.62	\$794.87
538192	05-15-19	LF	JANKE 27		PCS - 6 : 20.65 TN	\$516.25	\$18.59	\$534.84
538194	05-15-19	LF	JANKE 2		PCS - 6 : 30.89 TN	\$772.25	\$27.80	\$800.05
538200	05-15-19	LF	MERITUS 4		PCS - 6 : 30.95 TN	\$773.75	\$27.86	\$801.61
538205	05-15-19	LF	QUIGG 55-		PCS - 6 : 22.53 TN	\$563.25	\$20.28	\$583.53

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538207	05-15-19	LF	QUIGG 55-		PCS - 6 : 25.33 TN	\$633.25	\$22.80	\$656.05
538208	05-15-19	LF	SWIDECKI		PCS - 6 : 29.13 TN	\$728.25	\$26.22	\$754.47
538210	05-15-19	LF	KEN MILLE		PCS - 6 : 28.11 TN	\$702.75	\$25.30	\$728.05
538211	05-15-19	LF	KEN MILLE		PCS - 6 : 32.04 TN	\$801.00	\$28.84	\$829.84
538212	05-15-19	LF	KEN JOHN		PCS - 6 : 25.12 TN	\$628.00	\$22.61	\$650.61
538215	05-15-19	LF	KEN MILLE		PCS - 6 : 28.42 TN	\$710.50	\$25.58	\$736.08
538216	05-15-19	LF	NW ROCK		PCS - 6 : 31.30 TN	\$782.50	\$28.17	\$810.67
538217	05-15-19	LF	NW ROCK		PCS - 6 : 32.07 TN	\$801.75	\$28.86	\$830.61
538219	05-15-19	LF	NW ROCK		PCS - 6 : 27.08 TN	\$677.00	\$24.37	\$701.37
538220	05-15-19	LF	JANKE 27		PCS - 6 : 22.52 TN	\$563.00	\$20.27	\$583.27
538221	05-15-19	LF	JANKE 17		PCS - 6 : 23.73 TN	\$593.25	\$21.36	\$614.61
538222	05-15-19	LF	KEN MILLE		PCS - 6 : 24.54 TN	\$613.50	\$22.09	\$635.59
538223	05-15-19	LF	KEN MILLE		PCS - 6 : 23.78 TN	\$594.50	\$21.40	\$615.90
538224	05-15-19	LF	JANKE 2		PCS - 6 : 29.83 TN	\$745.75	\$26.85	\$772.60
538225	05-15-19	LF	JANKE 24		PCS - 6 : 31.84 TN	\$796.00	\$28.66	\$824.66
538229	05-15-19	LF	KEN MILLE		PCS - 6 : 31.97 TN	\$799.25	\$28.77	\$828.02
538233	05-15-19	LF	MERITUS 4		PCS - 6 : 29.55 TN	\$738.75	\$26.60	\$765.35
538253	05-16-19	LF	LAKESIDE		PCS - 6 : 25.25 TN	\$631.25	\$22.73	\$653.98
538255	05-16-19	LF	QUIGG 55-		PCS - 6 : 23.91 TN	\$597.75	\$21.52	\$619.27
538256	05-16-19	LF	SWIDECKI		PCS - 6 : 29.41 TN	\$735.25	\$26.47	\$761.72
538257	05-16-19	LF	MERITUS 4		PCS - 6 : 29.43 TN	\$735.75	\$26.49	\$762.24
538260	05-16-19	LF	KEN JOHN		PCS - 6 : 23.42 TN	\$585.50	\$21.08	\$606.58
538261	05-16-19	LF	KEN JOHN		PCS - 6 : 20.33 TN	\$508.25	\$18.30	\$526.55
538263	05-16-19	LF	QUIGG 55-		PCS - 6 : 27.26 TN	\$681.50	\$24.53	\$706.03
538267	05-16-19	LF	QUIGG 53-		PCS - 6 : 2.48 TN	\$62.00	\$2.23	\$64.23
538269	05-16-19	LF	JANKE 24		PCS - 6 : 30.63 TN	\$765.75	\$27.57	\$793.32
538271	05-16-19	LF	JANKE 27		PCS - 6 : 20.77 TN	\$519.25	\$18.69	\$537.94
538274	05-16-19	LF	NW ROCK		PCS - 6 : 30.58 TN	\$764.50	\$27.52	\$792.02
538275	05-16-19	LF	NW ROCK		PCS - 6 : 33.81 TN	\$845.25	\$30.43	\$875.68
538278	05-16-19	LF	NW ROCK		PCS - 6 : 26.05 TN	\$651.25	\$23.45	\$674.70
538279	05-16-19	LF	JANKE 17		PCS - 6 : 22.01 TN	\$550.25	\$19.81	\$570.06
538280	05-16-19	LF	KEN MILLE		PCS - 6 : 23.69 TN	\$592.25	\$21.32	\$613.57
538285	05-16-19	LF	KEN MILLE		PCS - 6 : 31.69 TN	\$792.25	\$28.52	\$820.77
538286	05-16-19	LF	KEN MILLE		PCS - 6 : 29.75 TN	\$743.75	\$26.78	\$770.53
538288	05-16-19	LF	KEN MILLE		PCS - 6 : 30.57 TN	\$764.25	\$27.51	\$791.76
538290	05-16-19	LF	KEN MILLE		PCS - 6 : 27.95 TN	\$698.75	\$25.16	\$723.91
538291	05-16-19	LF	KEN MILLE		PCS - 6 : 27.13 TN	\$678.25	\$24.42	\$702.67
538297	05-16-19	LF	QUIGG 55-		PCS - 6 : 28.38 TN	\$709.50	\$25.54	\$735.04
538299	05-16-19	LF	SWIDECKI		PCS - 6 : 24.17 TN	\$604.25	\$21.75	\$626.00

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538300	05-16-19	LF	KEN JOHN		PCS - 6 : 23.96 TN	\$599.00	\$21.56	\$620.56
538301	05-16-19	LF	KEN JOHN		PCS - 6 : 21.33 TN	\$533.25	\$19.20	\$552.45
538302	05-16-19	LF	JANKE 2		PCS - 6 : 26.06 TN	\$651.50	\$23.45	\$674.95
538305	05-16-19	LF	MERITUS 4		PCS - 6 : 30.23 TN	\$755.75	\$27.21	\$782.96
538306	05-16-19	LF	QUIGG 55-		PCS - 6 : 21.19 TN	\$529.75	\$19.07	\$548.82
538308	05-16-19	LF	JANKE 27		PCS - 6 : 18.62 TN	\$465.50	\$16.76	\$482.26
538313	05-16-19	LF	JANKE 24		PCS - 6 : 31.63 TN	\$790.75	\$28.47	\$819.22
538314	05-16-19	LF	NW ROCK		PCS - 6 : 30.86 TN	\$771.50	\$27.77	\$799.27
538315	05-16-19	LF	NW ROCK		PCS - 6 : 32.92 TN	\$823.00	\$29.63	\$852.63
538317	05-16-19	LF	NW ROCK		PCS - 6 : 28.53 TN	\$713.25	\$25.68	\$738.93
538318	05-16-19	LF	KEN MILLE		PCS - 6 : 25.46 TN	\$636.50	\$22.91	\$659.41
538319	05-16-19	LF	JANKE 17		PCS - 6 : 24.37 TN	\$609.25	\$21.93	\$631.18
538321	05-16-19	LF	JANKE 08		PCS - 6 : 32.53 TN	\$813.25	\$29.28	\$842.53
538324	05-16-19	LF	KEN MILLE		PCS - 6 : 26.84 TN	\$671.00	\$24.16	\$695.16
538325	05-16-19	LF	KEN MILLE		PCS - 6 : 26.94 TN	\$673.50	\$24.25	\$697.75
538326	05-16-19	LF	KEN MILLE		PCS - 6 : 26.44 TN	\$661.00	\$23.80	\$684.80
538327	05-16-19	LF	KEN MILLE		PCS - 6 : 31.46 TN	\$786.50	\$28.31	\$814.81
538330	05-16-19	LF	QUIGG 55-		PCS - 6 : 28.05 TN	\$701.25	\$25.25	\$726.50
538331	05-16-19	LF	SWIDECKI		PCS - 6 : 30.85 TN	\$771.25	\$27.77	\$799.02
538332	05-16-19	LF	KEN JOHN		PCS - 6 : 25.20 TN	\$630.00	\$22.68	\$652.68
538335	05-16-19	LF	KEN JOHN		PCS - 6 : 23.22 TN	\$580.50	\$20.90	\$601.40
538338	05-16-19	LF	MERITUS 4		PCS - 6 : 27.80 TN	\$695.00	\$25.02	\$720.02
538340	05-16-19	LF	QUIGG 55-		PCS - 6 : 22.91 TN	\$572.75	\$20.62	\$593.37
538345	05-16-19	LF	LAKESIDE		PCS - 6 : 31.00 TN	\$775.00	\$27.90	\$802.90
538346	05-16-19	LF	JANKE 2		PCS - 6 : 30.47 TN	\$761.75	\$27.42	\$789.17
538350	05-16-19	LF	JANKE 24		PCS - 6 : 29.13 TN	\$728.25	\$26.22	\$754.47
538351	05-16-19	LF	JANKE 27		PCS - 6 : 22.55 TN	\$563.75	\$20.30	\$584.05
538352	05-16-19	LF	NW ROCK		PCS - 6 : 29.68 TN	\$742.00	\$26.71	\$768.71
538353	05-16-19	LF	NW ROCK		PCS - 6 : 31.98 TN	\$799.50	\$28.78	\$828.28
538355	05-16-19	LF	NW ROCK		PCS - 6 : 23.56 TN	\$589.00	\$21.20	\$610.20
538356	05-16-19	LF	LAKESIDE		PCS - 6 : 19.77 TN	\$494.25	\$17.79	\$512.04
538360	05-16-19	LF	KEN MILLE		PCS - 6 : 28.39 TN	\$709.75	\$25.55	\$735.30
538361	05-16-19	LF	LAKESIDE		PCS - 6 : 25.46 TN	\$636.50	\$22.91	\$659.41
538362	05-16-19	LF	LAKESIDE		PCS - 6 : 21.92 TN	\$548.00	\$19.73	\$567.73
538363	05-16-19	LF	KEN MILLE		PCS - 6 : 30.05 TN	\$751.25	\$27.05	\$778.30
538366	05-16-19	LF	JANKE 17		PCS - 6 : 21.79 TN	\$544.75	\$19.61	\$564.36
538367	05-16-19	LF	KEN MILLE		PCS - 6 : 22.99 TN	\$574.75	\$20.69	\$595.44
538368	05-16-19	LF	KEN MILLE		PCS - 6 : 23.70 TN	\$592.50	\$21.33	\$613.83
538369	05-16-19	LF	KEN MILLE		PCS - 6 : 24.66 TN	\$616.50	\$22.19	\$638.69

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850
Remit payment to:		Due Date
Cowlitz County Public Works		7/15/19
1600 - 13th Avenue South		
Kelso, WA 98626		
TEL (360) 577-3035		
www.co.cowlitz.wa.us/publicworks/		

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538374	05-16-19	LF	QUIGG 557		PCS - 6 : 27.84 TN	\$696.00	\$25.06	\$721.06
538375	05-16-19	LF	MILLER RV		PCS - 6 : 27.05 TN	\$676.25	\$24.35	\$700.60
538376	05-16-19	LF	MILLER 18		PCS - 6 : 32.41 TN	\$810.25	\$29.17	\$839.42
538381	05-16-19	LF	SWIDECKI		PCS - 6 : 29.84 TN	\$746.00	\$26.86	\$772.86
538382	05-16-19	LF	JOHNSON		PCS - 6 : 24.77 TN	\$619.25	\$22.29	\$641.54
538384	05-16-19	LF	JOHNSON		PCS - 6 : 23.07 TN	\$576.75	\$20.76	\$597.51
538386	05-16-19	LF	MERITUS		PCS - 6 : 32.50 TN	\$812.50	\$29.25	\$841.75
538389	05-16-19	LF	QUIG 5540		PCS - 6 : 25.52 TN	\$638.00	\$22.97	\$660.97
538398	05-17-19	LF	LAKESIDE		PCS - 6 : 21.16 TN	\$529.00	\$19.04	\$548.04
538403	05-17-19	LF	LAKESIDE		PCS - 6 : 28.84 TN	\$721.00	\$25.96	\$746.96
538404	05-17-19	LF	LAKESIDE		PCS - 6 : 31.24 TN	\$781.00	\$28.12	\$809.12
538409	05-17-19	LF	LAKESIDE		PCS - 6 : 30.65 TN	\$766.25	\$27.59	\$793.84
538410	05-17-19	LF	MERITUS 4		PCS - 6 : 29.33 TN	\$733.25	\$26.40	\$759.65
538412	05-17-19	LF	KEN MILLE		PCS - 6 : 25.55 TN	\$638.75	\$23.00	\$661.75
538413	05-17-19	LF	KEN MILLE		PCS - 6 : 27.70 TN	\$692.50	\$24.93	\$717.43
538415	05-17-19	LF	SWIDECKI		PCS - 6 : 28.40 TN	\$710.00	\$25.56	\$735.56
538422	05-17-19	LF	KEN MILLE		PCS - 6 : 32.29 TN	\$807.25	\$29.06	\$836.31
538424	05-17-19	LF	KEN MILLE		PCS - 6 : 26.68 TN	\$667.00	\$24.01	\$691.01
538426	05-17-19	LF	KEN MILLE		PCS - 6 : 33.34 TN	\$833.50	\$30.01	\$863.51
538427	05-17-19	LF	KEN MILLE		PCS - 6 : 28.12 TN	\$703.00	\$25.31	\$728.31
538431	05-17-19	LF	QUIGG 55-		PCS - 6 : 24.34 TN	\$608.50	\$21.91	\$630.41
538432	05-17-19	LF	QUIGG 55-		PCS - 6 : 22.74 TN	\$568.50	\$20.47	\$588.97
538438	05-17-19	LF	LAKESIDE		PCS - 6 : 21.73 TN	\$543.25	\$19.56	\$562.81
538439	05-17-19	LF	NW ROCK		PCS - 6 : 34.52 TN	\$863.00	\$31.07	\$894.07
538445	05-17-19	LF	NW ROCK		PCS - 6 : 31.09 TN	\$777.25	\$27.98	\$805.23
538446	05-17-19	LF	NW ROCK		PCS - 6 : 24.59 TN	\$614.75	\$22.13	\$636.88
538448	05-17-19	LF	KEN JOHN		PCS - 6 : 23.49 TN	\$587.25	\$21.14	\$608.39
538449	05-17-19	LF	KEN JOHN		PCS - 6 : 20.48 TN	\$512.00	\$18.43	\$530.43
538450	05-17-19	LF	LAKESIDE		PCS - 6 : 31.32 TN	\$783.00	\$28.19	\$811.19
538452	05-17-19	LF	LAKESIDE		PCS - 6 : 32.33 TN	\$808.25	\$29.10	\$837.35
538453	05-17-19	LF	MERITUS 4		PCS - 6 : 30.42 TN	\$760.50	\$27.38	\$787.88
538454	05-17-19	LF	KEN MILLE		PCS - 6 : 26.32 TN	\$658.00	\$23.69	\$681.69
538456	05-17-19	LF	KEN MILLE		PCS - 6 : 24.96 TN	\$624.00	\$22.46	\$646.46
538457	05-17-19	LF	SWIDECKI		PCS - 6 : 30.97 TN	\$774.25	\$27.87	\$802.12
538458	05-17-19	LF	JANKE 27		PCS - 6 : 22.23 TN	\$555.75	\$20.01	\$575.76
538462	05-17-19	LF	JANKE 17		PCS - 6 : 22.32 TN	\$558.00	\$20.09	\$578.09
538463	05-17-19	LF	JANKE 24		PCS - 6 : 31.43 TN	\$785.75	\$28.29	\$814.04
538464	05-17-19	LF	JANKE 2		PCS - 6 : 30.16 TN	\$754.00	\$27.14	\$781.14
538469	05-17-19	LF	KEN MILLE		PCS - 6 : 25.90 TN	\$647.50	\$23.31	\$670.81

Invoice

Account #	Date	Invoice #
6336	5/31/19	6850

Remit payment to:

Cowlitz County Public Works
1600 - 13th Avenue South
Kelso, WA 98626
TEL (360) 577-3035

Due Date

7/15/19

www.co.cowlitz.wa.us/publicworks/

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
invoice number for payment

Tran #	Date	Site	Truck	PO	Description	Fee	Tax	Amount
538471	05-17-19	LF	KEN MILLE		PCS - 6 : 27.84 TN	\$696.00	\$25.06	\$721.06
538474	05-17-19	LF	KEN MILLE		PCS - 6 : 32.17 TN	\$804.25	\$28.95	\$833.20
538476	05-17-19	LF	QUIGG 55-		PCS - 6 : 24.32 TN	\$608.00	\$21.89	\$629.89
538478	05-17-19	LF	KEN MILLE		PCS - 6 : 29.83 TN	\$745.75	\$26.85	\$772.60
538479	05-17-19	LF	QUIGG 55-		PCS - 6 : 24.06 TN	\$601.50	\$21.65	\$623.15
538480	05-17-19	LF	LAKESIDE		PCS - 6 : 20.96 TN	\$524.00	\$18.86	\$542.86
538485	05-17-19	LF	NW ROCK		PCS - 6 : 26.49 TN	\$662.25	\$23.84	\$686.09
538486	05-17-19	LF	NW ROCK		PCS - 6 : 28.75 TN	\$718.75	\$25.88	\$744.63
538488	05-17-19	LF	NW ROCK		PCS - 6 : 26.28 TN	\$657.00	\$23.65	\$680.65
538490	05-17-19	LF	KEN JOHN		PCS - 6 : 23.78 TN	\$594.50	\$21.40	\$615.90
538491	05-17-19	LF	KEN JOHN		PCS - 6 : 21.83 TN	\$545.75	\$19.65	\$565.40
538493	05-17-19	LF	KEN MILLE		PCS - 6 : 29.05 TN	\$726.25	\$26.15	\$752.40
538495	05-17-19	LF	LAKESIDE		PCS - 6 : 31.51 TN	\$787.75	\$28.36	\$816.11
538496	05-17-19	LF	LAKESIDE		PCS - 6 : 33.43 TN	\$835.75	\$30.09	\$865.84
538498	05-17-19	LF	KEN MILLE		PCS - 6 : 24.66 TN	\$616.50	\$22.19	\$638.69
538499	05-17-19	LF	MERITUS 1		PCS - 6 : 30.90 TN	\$772.50	\$27.81	\$800.31
538500	05-17-19	LF	SWIDECKI		PCS - 6 : 31.03 TN	\$775.75	\$27.93	\$803.68
538501	05-17-19	LF	JANKE 27		PCS - 6 : 19.86 TN	\$496.50	\$17.87	\$514.37
538502	05-17-19	LF	JANKE 17		PCS - 6 : 22.16 TN	\$554.00	\$19.94	\$573.94
538513	05-17-19	LF	JANKE 24		PCS - 6 : 28.29 TN	\$707.25	\$25.46	\$732.71
538514	05-17-19	LF	JANKE 2		PCS - 6 : 28.85 TN	\$721.25	\$25.97	\$747.22
538517	05-17-19	LF	KEN MILLE		PCS - 6 : 28.95 TN	\$723.75	\$26.06	\$749.81
538518	05-17-19	LF	KEN MILLE		PCS - 6 : 27.45 TN	\$686.25	\$24.71	\$710.96
538519	05-17-19	LF	QUIGG 557		PCS - 6 : 29.11 TN	\$727.75	\$26.20	\$753.95
538520	05-17-19	LF	QUIGG 554		PCS - 6 : 23.24 TN	\$581.00	\$20.92	\$601.92
538522	05-17-19	LF	LAKESIDE		PCS - 6 : 25.37 TN	\$634.25	\$22.83	\$657.08
538523	05-17-19	LF	MILLER 18		PCS - 6 : 31.24 TN	\$781.00	\$28.12	\$809.12
538524	05-17-19	LF	MILLER 08		PCS - 6 : 34.38 TN	\$859.50	\$30.94	\$890.44
538529	05-17-19	LF	NW ROCK		PCS - 6 : 27.37 TN	\$684.25	\$24.63	\$708.88
538530	05-17-19	LF	NW ROCK		PCS - 6 : 29.45 TN	\$736.25	\$26.51	\$762.76
901832824	05-16-19	WC	B10472S		PUBTO - Public MSW Ton : 1.31 TN	\$66.84	\$2.41	\$69.25

Note

Original Amount

\$587,015.66

Total Tons

22,663.31

Amount Due

\$587,015.66

Credit Memo

Account #	Date
6336	5/16/19

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

Pay Method	Ref #	Description	Amount
Credit Memo		Reversal of Late Fee - System Error	\$10.00

Payment

Account #	Date
6336	5/23/19

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

Pay Method	Ref #	Description	Amount
Check	5766940		\$53,791.00

Payment

Account #	Date
6336	5/28/19

Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

Pay Method	Ref #	Description	Amount
Check	5767008		\$77.29

Invoice

Payments

Make Payment

Bill Account
6336

Bill To
LAKESIDE INDUSTRIES
PO Box 7016
Longview Location
Issaquah, WA 98027

Batch #
72

Date
04/30/2019

Invoice #
6663

Code
IN

PO

Terms

Due Date
06/17/2019

TranNum	DateOut	Site	Com	Description	OrigAmt
536598	04/29/2019	LF	COW	PCS - 6 : 29.69 TN	\$742.25
536598	04/29/2019	LF	COW	Refuse Tax	\$26.72
536606	04/29/2019	LF	COW	PCS - 6 : 27.57 TN	\$689.25
536606	04/29/2019	LF	COW	Refuse Tax	\$24.81
536609	04/29/2019	LF	COW	PCS - 6 : 29.00 TN	\$725.00
536609	04/29/2019	LF	COW	Refuse Tax	\$26.10
536610	04/29/2019	LF	COW	PCS - 6 : 30.04 TN	\$751.00
536610	04/29/2019	LF	COW	Refuse Tax	\$27.04
536613	04/29/2019	LF	COW	PCS - 6 : 28.05 TN	\$701.25
536613	04/29/2019	LF	COW	Refuse Tax	\$25.25
536617	04/29/2019	LF	COW	PCS - 6 : 24.39 TN	\$609.75
536617	04/29/2019	LF	COW	Refuse Tax	\$21.95
536619	04/29/2019	LF	COW	PCS - 6 : 32.06 TN	\$801.50
536619	04/29/2019	LF	COW	Refuse Tax	\$28.85
536622	04/29/2019	LF	COW	PCS - 6 : 24.99 TN	\$624.75
536622	04/29/2019	LF	COW	Refuse Tax	\$22.49
536629	04/29/2019	LF	COW	PCS - 6 : 20.84 TN	\$521.00
536629	04/29/2019	LF	COW	Refuse Tax	\$18.76
536632	04/29/2019	LF	COW	PCS - 6 : 21.65 TN	\$541.25
536632	04/29/2019	LF	COW	Refuse Tax	\$19.49
536634	04/29/2019	LF	COW	PCS - 6 : 22.77 TN	\$569.25
536634	04/29/2019	LF	COW	Refuse Tax	\$20.49
536637	04/29/2019	LF	COW	PCS - 6 : 26.14 TN	\$653.50
536637	04/29/2019	LF	COW	Refuse Tax	\$23.53
536642	04/29/2019	LF	COW	PCS - 6 : 25.70 TN	\$642.50
536642	04/29/2019	LF	COW	Refuse Tax	\$23.13
536646	04/29/2019	LF	COW	PCS - 6 : 35.17 TN	\$879.25
536646	04/29/2019	LF	COW	Refuse Tax	\$31.65
536647	04/29/2019	LF	COW	PCS - 6 : 22.70 TN	\$567.50
536647	04/29/2019	LF	COW	Refuse Tax	\$20.43
536654	04/29/2019	LF	COW	PCS - 6 : 27.20 TN	\$680.00
536654	04/29/2019	LF	COW	Refuse Tax	\$24.48
536655	04/29/2019	LF	COW	PCS - 6 : 24.37 TN	\$609.25
536655	04/29/2019	LF	COW	Refuse Tax	\$21.93

Asphalt

TranNum	DateOut	Site	Cc	Description	OrigAmt
536656	04/29/2019	LF	COW	PCS - 6 : 32.18 TN	\$804.50
536656	04/29/2019	LF	COW	Refuse Tax	\$28.96
536664	04/29/2019	LF	COW	PCS - 6 : 25.72 TN	\$643.00
536664	04/29/2019	LF	COW	Refuse Tax	\$23.15
536665	04/29/2019	LF	COW	PCS - 6 : 25.92 TN	\$648.00
536665	04/29/2019	LF	COW	Refuse Tax	\$23.33
536666	04/29/2019	LF	COW	PCS - 6 : 32.13 TN	\$803.25
536666	04/29/2019	LF	COW	Refuse Tax	\$28.92
536667	04/29/2019	LF	COW	PCS - 6 : 26.85 TN	\$671.25
536667	04/29/2019	LF	COW	Refuse Tax	\$24.17
536669	04/29/2019	LF	COW	PCS - 6 : 25.96 TN	\$649.00
536669	04/29/2019	LF	COW	Refuse Tax	\$23.36
536673	04/29/2019	LF	COW	PCS - 6 : 22.01 TN	\$550.25
536673	04/29/2019	LF	COW	Refuse Tax	\$19.81
536677	04/29/2019	LF	COW	PCS - 6 : 33.87 TN	\$846.75
536677	04/29/2019	LF	COW	Refuse Tax	\$30.48
536679	04/29/2019	LF	COW	PCS - 6 : 23.43 TN	\$585.75
536679	04/29/2019	LF	COW	Refuse Tax	\$21.09
536683	04/29/2019	LF	COW	PCS - 6 : 25.95 TN	\$648.75
536683	04/29/2019	LF	COW	Refuse Tax	\$23.36
536684	04/29/2019	LF	COW	PCS - 6 : 31.90 TN	\$797.50
536684	04/29/2019	LF	COW	Refuse Tax	\$28.71
536694	04/30/2019	LF	COW	PCS - 6 : 24.33 TN	\$608.25
536694	04/30/2019	LF	COW	Refuse Tax	\$21.90
536698	04/30/2019	LF	COW	PCS - 6 : 24.14 TN	\$603.50
536698	04/30/2019	LF	COW	Refuse Tax	\$21.73
536699	04/30/2019	LF	COW	PCS - 6 : 26.52 TN	\$663.00
536699	04/30/2019	LF	COW	Refuse Tax	\$23.87
536706	04/30/2019	LF	COW	PCS - 6 : 26.40 TN	\$660.00
536706	04/30/2019	LF	COW	Refuse Tax	\$23.76
536708	04/30/2019	LF	COW	PCS - 6 : 27.72 TN	\$693.00
536708	04/30/2019	LF	COW	Refuse Tax	\$24.95
536709	04/30/2019	LF	COW	PCS - 6 : 26.19 TN	\$654.75
536709	04/30/2019	LF	COW	Refuse Tax	\$23.57

TranNum	DateOut	Site	Cr	Description	OrigAmt
536710	04/30/2019	LF	COW	PCS - 6 : 28.84 TN	\$721.00
536710	04/30/2019	LF	COW	Refuse Tax	\$25.96
536714	04/30/2019	LF	COW	PCS - 6 : 31.53 TN	\$788.25
536714	04/30/2019	LF	COW	Refuse Tax	\$28.38
536716	04/30/2019	LF	COW	PCS - 6 : 33.22 TN	\$830.50
536716	04/30/2019	LF	COW	Refuse Tax	\$29.90
536717	04/30/2019	LF	COW	PCS - 6 : 26.83 TN	\$670.75
536717	04/30/2019	LF	COW	Refuse Tax	\$24.15
536721	04/30/2019	LF	COW	PCS - 6 : 30.63 TN	\$765.75
536721	04/30/2019	LF	COW	Refuse Tax	\$27.57
536724	04/30/2019	LF	COW	PCS - 6 : 21.69 TN	\$542.25
536724	04/30/2019	LF	COW	Refuse Tax	\$19.52
536725	04/30/2019	LF	COW	PCS - 6 : 29.85 TN	\$746.25
536725	04/30/2019	LF	COW	Refuse Tax	\$26.87
536726	04/30/2019	LF	COW	PCS - 6 : 32.13 TN	\$803.25
536726	04/30/2019	LF	COW	Refuse Tax	\$28.92
536728	04/30/2019	LF	COW	PCS - 6 : 30.05 TN	\$751.25
536728	04/30/2019	LF	COW	Refuse Tax	\$27.05
536729	04/30/2019	LF	COW	PCS - 6 : 22.79 TN	\$569.75
536729	04/30/2019	LF	COW	Refuse Tax	\$20.51
536731	04/30/2019	LF	COW	PCS - 6 : 25.57 TN	\$639.25
536731	04/30/2019	LF	COW	Refuse Tax	\$23.01
536738	04/30/2019	LF	COW	PCS - 6 : 28.53 TN	\$713.25
536738	04/30/2019	LF	COW	Refuse Tax	\$25.68
536743	04/30/2019	LF	COW	PCS - 6 : 24.70 TN	\$617.50
536743	04/30/2019	LF	COW	Refuse Tax	\$22.23
536744	04/30/2019	LF	COW	PCS - 6 : 27.79 TN	\$694.75
536744	04/30/2019	LF	COW	Refuse Tax	\$25.01
536747	04/30/2019	LF	COW	PCS - 6 : 31.69 TN	\$792.25
536747	04/30/2019	LF	COW	Refuse Tax	\$28.52
536748	04/30/2019	LF	COW	PCS - 6 : 31.86 TN	\$796.50
536748	04/30/2019	LF	COW	Refuse Tax	\$28.67
536749	04/30/2019	LF	COW	PCS - 6 : 28.12 TN	\$703.00
536749	04/30/2019	LF	COW	Refuse Tax	\$25.31

TranNum	DateOut	Site	C	Description	OrigAmt
536751	04/30/2019	LF	COW	PCS - 6 : 26.79 TN	\$669.75
536751	04/30/2019	LF	COW	Refuse Tax	\$24.11
536756	04/30/2019	LF	COW	PCS - 6 : 22.91 TN	\$572.75
536756	04/30/2019	LF	COW	Refuse Tax	\$20.62
536757	04/30/2019	LF	COW	PCS - 6 : 31.37 TN	\$784.25
536757	04/30/2019	LF	COW	Refuse Tax	\$28.23
536759	04/30/2019	LF	COW	PCS - 6 : 31.72 TN	\$793.00
536759	04/30/2019	LF	COW	Refuse Tax	\$28.55
536760	04/30/2019	LF	COW	PCS - 6 : 31.01 TN	\$775.25
536760	04/30/2019	LF	COW	Refuse Tax	\$27.91
536766	04/30/2019	LF	COW	PCS - 6 : 24.82 TN	\$620.50
536766	04/30/2019	LF	COW	Refuse Tax	\$22.34
536767	04/30/2019	LF	COW	PCS - 6 : 25.16 TN	\$629.00
536767	04/30/2019	LF	COW	Refuse Tax	\$22.64
536770	04/30/2019	LF	COW	PCS - 6 : 30.56 TN	\$764.00
536770	04/30/2019	LF	COW	Refuse Tax	\$27.50
536772	04/30/2019	LF	COW	PCS - 6 : 33.39 TN	\$834.75
536772	04/30/2019	LF	COW	Refuse Tax	\$30.05
536777	04/30/2019	LF	COW	PCS - 6 : 26.31 TN	\$657.75
536777	04/30/2019	LF	COW	Refuse Tax	\$23.68
536780	04/30/2019	LF	COW	PCS - 6 : 27.51 TN	\$687.75
536780	04/30/2019	LF	COW	Refuse Tax	\$24.76
536784	04/30/2019	LF	COW	PCS - 6 : 29.66 TN	\$742.00
536784	04/30/2019	LF	COW	Refuse Tax	\$26.71
536785	04/30/2019	LF	COW	PCS - 6 : 32.91 TN	\$822.75
536785	04/30/2019	LF	COW	Refuse Tax	\$29.62
536786	04/30/2019	LF	COW	PCS - 6 : 30.45 TN	\$761.25
536786	04/30/2019	LF	COW	Refuse Tax	\$27.41
536787	04/30/2019	LF	COW	PCS - 6 : 22.90 TN	\$572.50
536787	04/30/2019	LF	COW	Refuse Tax	\$20.61
536788	04/30/2019	LF	COW	PCS - 6 : 28.13 TN	\$703.25
536788	04/30/2019	LF	COW	Refuse Tax	\$25.32
536790	04/30/2019	LF	COW	PCS - 6 : 31.10 TN	\$777.50
536790	04/30/2019	LF	COW	Refuse Tax	\$27.99

TranNum	DateOut	Site	C	Description	OrigAmt
536791	04/30/2019	LF	COW	PCS - 6 : 32.28 TN	\$807.00
536791	04/30/2019	LF	COW	Refuse Tax	\$29.05
536793	04/30/2019	LF	COW	PCS - 6 : 31.44 TN	\$786.00
536793	04/30/2019	LF	COW	Refuse Tax	\$28.30
536796	04/30/2019	LF	COW	PCS - 6 : 30.84 TN	\$771.00
536796	04/30/2019	LF	COW	Refuse Tax	\$27.76
536797	04/30/2019	LF	COW	PCS - 6 : 24.55 TN	\$613.75
536797	04/30/2019	LF	COW	Refuse Tax	\$22.10
536800	04/30/2019	LF	COW	PCS - 6 : 20.09 TN	\$502.25
536800	04/30/2019	LF	COW	Refuse Tax	\$18.08
536805	04/30/2019	LF	COW	PCS - 6 : 24.25 TN	\$606.25
536805	04/30/2019	LF	COW	Refuse Tax	\$21.83
536808	04/30/2019	LF	COW	PCS - 6 : 27.33 TN	\$683.25
536808	04/30/2019	LF	COW	Refuse Tax	\$24.60

Note

Item Count: 150

Add Item...

Del Item...

☐ Closed

Previous

Next

Save

Original Amt

\$53,791.00

Amount Due

\$53,791.00

Asphalt
Plant

Daily Transactions - All

((Trans.DateOut BETWEEN '2019-04-01' AND '2019-04-30')

AND (Trans.Void = 0)

AND (Trans.BillAcct LIKE '6336%'))))

May 16, 2019 9:15 AM

TranNum	DateIn	Truck	BillAcct	BillCompany	MT	MLabel	NetSTN	Rate	TipFee	TaxFee
536598	4/29/2019	MILLER6	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	29.69	\$25.00	\$742.25	\$26.72
536606	4/29/2019	KENMILLER90	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	27.57	\$25.00	\$689.25	\$24.81
536609	4/29/2019	BRUMFIELD BC263	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	29	\$25.00	\$725.00	\$26.10
536610	4/29/2019	MILLERRED/WHITE9	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	30.04	\$25.00	\$751.00	\$27.04
536613	4/29/2019	QUIGG BROS56-733ORANGE	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	28.05	\$25.00	\$701.25	\$25.25
536617	4/29/2019	QUIGG55-400YELLOW/C91043M	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	24.39	\$25.00	\$609.75	\$21.95
536619	4/29/2019	LAKESIDE20241	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	32.06	\$25.00	\$801.50	\$28.85
536622	4/29/2019	KENMILLERC1138PBLUELAKESIDE	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	24.99	\$25.00	\$624.75	\$22.49
536629	4/29/2019	KENMILLERGREEN/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	20.84	\$25.00	\$521.00	\$18.76
536632	4/29/2019	BRUMFIELD BC263CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	21.85	\$25.00	\$541.25	\$19.49
536634	4/29/2019	KENMILLER9/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	22.77	\$25.00	\$569.25	\$20.49
536637	4/29/2019	QUIGG BROS55-733/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.14	\$25.00	\$653.50	\$23.53
536642	4/29/2019	QUIGGYELLOW C91043M/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	25.7	\$25.00	\$642.50	\$23.13
536646	4/29/2019	LAKESIDE20241/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	35.17	\$25.00	\$879.25	\$31.65
536647	4/29/2019	KENMILLER/BLUE/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	22.7	\$25.00	\$567.50	\$20.43
536654	4/29/2019	BRUMFIELD/BC263/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	27.2	\$25.00	\$680.00	\$24.48
536655	4/29/2019	KENMILLER/RED/WHITE/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	24.37	\$25.00	\$609.25	\$21.93
536656	4/29/2019	LAKESIDE20210/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	32.18	\$25.00	\$804.50	\$28.96
536664	4/29/2019	JENKE17/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	25.72	\$25.00	\$643.00	\$23.15
536665	4/29/2019	JENKE10/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	25.92	\$25.00	\$648.00	\$23.33
536666	4/29/2019	LAKESIDE20074/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	32.13	\$25.00	\$803.25	\$28.92
536667	4/29/2019	QUIGG BROS/55733/ORANGE	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.85	\$25.00	\$671.25	\$24.17
536669	4/29/2019	QUIGGYELLOW/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	25.96	\$25.00	\$649.00	\$23.36
536673	4/29/2019	JENKES/CENTRALIA	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	22.01	\$25.00	\$550.25	\$19.81
536677	4/29/2019	LAKESIDE 20241	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	33.87	\$25.00	\$846.75	\$30.48
536679	4/29/2019	MILLER 6	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	23.43	\$25.00	\$585.75	\$21.09
536683	4/29/2019	LAKESIDE 20213	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	25.95	\$25.00	\$648.75	\$23.36
536684	4/29/2019	LAKESIDE20073	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	31.9	\$25.00	\$797.50	\$28.71
536694	4/30/2019	KEN MILLER 6	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	24.33	\$25.00	\$608.25	\$21.90
536699	4/30/2019	KEN MILLERS	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.52	\$25.00	\$663.00	\$23.87
536706	4/30/2019	KEN MILLER 3	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.4	\$25.00	\$660.00	\$23.76
536708	4/30/2019	KEN MILLER 2	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	27.72	\$25.00	\$693.00	\$24.95
536709	4/30/2019	KEN MILLER 1	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.19	\$25.00	\$654.75	\$23.57
536710	4/30/2019	KEN MILLER 18	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	28.84	\$25.00	\$721.00	\$25.96
536714	4/30/2019	NORTHWEST ROCK 2	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	31.53	\$25.00	\$788.25	\$28.38
536716	4/30/2019	NORTHWEST ROCK 8	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	33.22	\$25.00	\$830.50	\$29.90
536717	4/30/2019	QUIGG 57533	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	26.83	\$25.00	\$670.75	\$24.15
536721	4/30/2019	QUIGG 5400	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	30.63	\$25.00	\$765.75	\$27.57
536724	4/30/2019	KEN MILLER 6	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	21.69	\$25.00	\$542.25	\$19.52
536725	4/30/2019	LAKESIDE 20241	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	29.85	\$25.00	\$746.25	\$26.87
536726	4/30/2019	LAKESIDE 20074	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	32.13	\$25.00	\$803.25	\$28.92
536728	4/30/2019	LAKESIDE 20073	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	30.05	\$25.00	\$751.25	\$27.05
536729	4/30/2019	MILLER (GREEN) 90	6336	LAKESIDE INDUSTRIES	5405	PCS - 6	22.79	\$25.00	\$569.75	\$20.51

Daily Transactions - All
 (((Trans.DateOut BETWEEN '2019-04-01' AND '2019-04-30')
 AND (Trans.Void = 0)
 AND (Trans.BillAcct LIKE '6336%'))))

536731	4/30/2019	KEN MILLER (RD/WHT) 1	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	25.57	\$25.00	\$639.25	\$23.01
536738	4/30/2019	KEN MILLER 161	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	28.53	\$25.00	\$713.25	\$25.68
536743	4/30/2019	KEN MILLER 1	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	24.7	\$25.00	\$617.50	\$22.23
536744	4/30/2019	KEN MILLER 2	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	27.79	\$25.00	\$694.75	\$25.01
536747	4/30/2019	NORTHWEST ROCK 2	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.69	\$25.00	\$792.25	\$28.52
536748	4/30/2019	NORTHWEST ROCK 8	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.86	\$25.00	\$796.50	\$28.67
536749	4/30/2019	QUIGG 55-733	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	28.12	\$25.00	\$703.00	\$25.31
536751	4/30/2019	QUIGG 55-400	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	26.79	\$25.00	\$669.75	\$24.11
536756	4/30/2019	KEN MILLER 6	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	22.91	\$25.00	\$572.75	\$20.62
536757	4/30/2019	LAKESIDE 20241	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.37	\$25.00	\$784.25	\$28.23
536759	4/30/2019	LAKESIDE 20074	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.72	\$25.00	\$793.00	\$28.55
536760	4/30/2019	LAKESIDE 20073	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.01	\$25.00	\$775.25	\$27.91
536766	4/30/2019	KEN MILLER 3	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	24.82	\$25.00	\$620.50	\$22.34
536767	4/30/2019	LAKESIDE 20213	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	25.16	\$25.00	\$629.00	\$22.64
536770	4/30/2019	KEN MILLER 161	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	30.56	\$25.00	\$764.00	\$27.50
536772	4/30/2019	KEN MILLER 18	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	33.39	\$25.00	\$834.75	\$30.05
536777	4/30/2019	QUIGG 55-733	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	26.31	\$25.00	\$657.75	\$23.68
536780	4/30/2019	QUIGG 55-400	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	27.51	\$25.00	\$687.75	\$24.76
536784	4/30/2019	NORTHWEST ROCK	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	29.68	\$25.00	\$742.00	\$26.71
536785	4/30/2019	NORTHWEST ROCK 8	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	32.91	\$25.00	\$822.75	\$29.62
536786	4/30/2019	KEN MILLER TEAL	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	30.45	\$25.00	\$761.25	\$27.41
536787	4/30/2019	KEN MILLER GREEN	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	22.9	\$25.00	\$572.50	\$20.61
536788	4/30/2019	KEN MILLER 2	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	28.13	\$25.00	\$703.25	\$25.32
536790	4/30/2019	LAKESIDE 20073	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.1	\$25.00	\$777.50	\$27.99
536791	4/30/2019	LAKESIDE 20074	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	32.28	\$25.00	\$807.00	\$29.05
536793	4/30/2019	LAKESIDE 20241	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	31.44	\$25.00	\$786.00	\$28.30
536796	4/30/2019	LAKESIDE 20210	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	30.84	\$25.00	\$771.00	\$27.76
536797	4/30/2019	MILLER 9	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	24.55	\$25.00	\$613.75	\$22.10
536800	4/30/2019	LAKESIDE 20213	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	20.09	\$25.00	\$502.25	\$18.08
536805	4/30/2019	MILLER 6	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	24.25	\$25.00	\$606.25	\$21.83
536808	4/30/2019	MILLER 3	6336	LAKESIDE INDUSTRIES	5405 PCS - 6	27.33	\$25.00	\$683.25	\$24.60
						Total Tons			2076.87
						Total Tip Fee			\$51,921.75
						Total Ref Tax Fee			\$1,869.25
						Total Invoice Amt			\$53,791.00