

CLEANUP ACTION REPORT

**FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON**

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ACRONYMS AND ABBREVIATIONS

amsl	above mean sea level
ARARs	applicable or relevant and appropriate requirements
bgs	below ground surface
CAR	Cleanup Action Report
COCs	constituents of concern
COPCs	constituents of potential concern
PAHs	polycyclic aromatic hydrocarbons
DRO	diesel-range organics
Ecology	Washington State Department of Ecology
EPA	U.S. Environmental Protection Agency
EPH	extractable petroleum hydrocarbons
ESA	Environmental Site Assessment
Farallon	Farallon Consulting, L.L.C.
GRO	gasoline-range organics
Lakeside Industries	Lakeside Industries, Inc.
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
MTCA	Model Toxics Control Act
NAVD88	North American Vertical Datum of 1988
NFA	No Further Action
ORO	oil-range organics
PCS	petroleum-contaminated soil
PQLs	practical quantitation limits
RCRA	Resource Conservation Recovery Act

SIM	selected ion monitoring
TEE	terrestrial ecological evaluation
TPH	total petroleum hydrocarbons
VCP	Voluntary Cleanup Program
VOCs	volatile organic compounds
VPH	volatile petroleum hydrocarbons
WAC	Washington Administrative Code

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 concrete batch plant on the property at 2001 Johnson Road in Centralia, Washington (herein referred to as the Former Concrete Batch Plant) (Figure 1). The Former Concrete Batch Plant is on the south-central portion of Lewis County Parcel No. 009772001000, 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 Concrete Batch Plant.

The Site, as defined under 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 Concrete 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 asphalt batch plant (Figures 2 and 3). Documentation of the permanent cleanup action completed at the former asphalt batch plant, which is located southeast of the Former Concrete Batch Plant, will be provided in a separate report.

Subsurface investigations were conducted at the Former Concrete Batch Plant in June 2018 and April 2019 to evaluate constituents of potential concern (COPCs) in soil from suspected releases related to historical operations at the Former Concrete Batch Plant. The subsurface investigations 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); metals; and alkalinity.

Constituents of concern (COCs) are defined as hazardous substances that have been detected at concentrations exceeding MTCA cleanup levels. The results of the subsurface investigations conducted by Farallon confirmed DRO and ORO as the COCs for soil at the Former Concrete Batch Plant. Sample pre-screening or hydrocarbon identification using Northwest 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) (2004). Combined concentrations of DRO and ORO exceeded the MTCA Method A soil cleanup levels in two localized areas associated with the Former Concrete Batch Plant. The source of DRO and ORO is confirmed to be from prior releases during historical operations at the Former Concrete 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 investigations to proceed with selection, design, and implementation of a permanent cleanup action for the Former Concrete Batch

Plant. The permanent cleanup action was performed in May 2019 and included excavation of PCS from two areas (i.e., Excavation Area 1 and Excavation Area 2) and off-Property disposal to the maximum extent practicable to protect human health and the environment, including future impacts to groundwater. Localized areas of PCS on the western portion of Excavation Area 1 at depths of 3 to 12 feet below ground surface (bgs), and the northern and southeastern portion of Excavation Area 2 at depths of 12 to 17 feet bgs were not excavated due to access limitations posed from the rail lines and overhead utilities and the disproportionate costs associated with removing a significant amount of overburden to access the small volume of PCS remaining in-place.

A Site-specific Method B cleanup level was calculated for the Former Concrete Batch Plant in accordance with Ecology's Guidance for Remediation of Petroleum Contaminated Sites (Ecology 2010). The small volume of PCS remaining in-place at the Concrete Batch Plant is less than the calculated Site-specific Method B cleanup level of 2,796 milligrams per kilogram (mg/kg). 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 leaching to groundwater, are incomplete.

Four groundwater monitoring wells (FMW-05 through FMW-08) were installed at the Former Concrete Batch Plant following completion of the cleanup action (Figure 3). Farallon performed three 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, concentrations of DRO and ORO were less than the MTCA Method A 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 Contaminated Soils (Ecology 2015). Specifically, the Former Concrete Batch Plant meets the requirements for Model Remedy 4 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 Site-specific MTCA Method B cleanup level was achieved at the point of compliance for soil. In addition, no buildings currently exist or are planned to be developed within the area of the Former Concrete Batch Plant and the vapor intrusion pathway is incomplete.

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 Concrete 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) determination for the Former Concrete Batch Plant.

1.1 PURPOSE AND OBJECTIVES

The purpose of this CAR is to document the cleanup action completed at the Former Concrete Batch Plant. The objective of the cleanup action is to protect human health and the environment. The cleanup action was conducted to remediate the COCs exceeding MTCA cleanup levels in soil to the maximum extent practicable to protect human health and the environment, including future impacts to groundwater, and to obtain an NFA determination 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 Concrete Batch Plant and a summary of the background, geology and hydrogeology, and previous environmental investigations conducted at the Former Concrete 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 Concrete 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, Summary and Request for No Further Action Determination**, summarizes the cleanup action completed at the Former Concrete Batch Plant and presents the request for an NFA determination.
- **Section 7, References**, lists the documents used in preparing this CAR.
- **Section 8, 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 Concrete 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. 009772001000, which totals 81.38 acres of land (Figure 2). Rail lines, which are owned by 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 Concrete Batch Plant, an asphalt batch plant, a sand and gravel mine, and a gravel crusher (Figure 3). The area of the Former Concrete Batch Plant consists of approximately 0.3 acres of land within the east-central portion of the Property (Figure 2). Lakeside Industries currently uses the area east of the rail lines, including the Former Concrete Batch Plant, for storage and staging of equipment. The current operational asphalt batch plant is on the west side of the rail lines (Figure 2).

2.2 CURRENT AND HISTORICAL USES OF THE FORMER CONCRETE BATCH PLANT

According to the information currently available to Lakeside Industries, the Former Concrete Batch Plant was constructed in approximately 1983. Glacier Northwest Inc. dba CalPortland historically leased and operated the Former Concrete Batch Plant. Prior to CalPortland operations, Central Reddi-Mix, Inc. operated the Former Concrete Batch Plant. Both CalPortland and Central Reddi-Mix, Inc. have ceased operations at the Property. 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 Concrete Batch Plant, currently is used for storage and staging of paving equipment. The Former Concrete 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 on the north by a pond (former sand and gravel mine), which is predominately located on the Property, followed by a metals processing facility (Scot Industries, Inc.); bordered on the east by a rail line and Interstate-5 followed by residential properties and undeveloped land; bordered on the south by undeveloped land also owned by Lakeside Industries followed by BNSF Blakeslee Centralia Yard; and bordered on the west by residential properties (Figure 2).

2.4 GEOLOGY AND HYDROGEOLOGY

The Former Concrete 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 Concrete 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 Concrete 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 Concrete 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 17 feet bgs during excavation and monitoring well installation activities in May and July 2019. Groundwater elevations ranged from approximately 152 to 166 feet NAVD88 during groundwater monitoring events conducted at the Former Concrete 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 is generally toward the east within proximity to the rail lines and toward the south to west further west of the rail lines. Groundwater elevations from groundwater monitoring events are presented in Table 1, and groundwater elevation contours are illustrated on Figures 5 through 7.

2.5 PREVIOUS ENVIRONMENTAL INVESTIGATIONS

This section provides a summary of previous environmental investigations conducted by Farallon and others at the Former Concrete Batch Plant. Test pit locations and soil analytical results are shown on Figure 4 and analytical results are presented in Tables 2 through 5. Laboratory analytical reports for subsurface investigation activities are provided in Appendix B.

2.5.1 2005 Phase I Environmental Site Assessment

In 2005, G-Logics, Inc. (G-Logics) performed a Phase I Environmental Site Assessment (ESA) for the Former Concrete Batch Plant (G-Logics 2005). At the time of completion of the Phase I ESA, the Former Concrete Batch Plant was occupied by Central Reddi-Mix and operated as a concrete batch plant on property leased from Lakeside Industries. According to the Phase I ESA, improvements at the Former Concrete Batch Plant included an office, boiler room, sand

storage bins, cement silos, a concrete-lined wastewater settling pond, propane aboveground storage tank (AST), and admixture ASTs (Figure 3). Additionally, the Former Concrete Batch Plant historically operated a diesel AST that was located within secondary containment to the north of the Former Concrete Batch Plant (Figure 3). Review of historic aerial photographs for 1993 and 1999 identified an additional suspect former AST located to the northwest of the Former Concrete Batch Plant (Figure 3).

According to the Phase I ESA, PCS was encountered during excavation for the wastewater settling pond in the 1990s. The PCS associated with the wastewater settling pond was identified as a recognized environmental condition. Based on information contained within the Phase I ESA, wastewater was neutralized in the settling pond using hydrochloric acid and was subsequently either recycled or discharged to the ground surface.

2.5.2 2018 and 2019 Subsurface Investigations

In June 2018 and April 2019, Farallon conducted subsurface investigations to evaluate COPCs in soil from suspected releases related to historical operations at the Former Concrete Batch Plant. The subsurface investigations included excavating 12 test pits (FTP-21 through FTP-23 and FTP-25 through FTP-33) to a maximum depth of 24 feet bgs (Figure 4).

Farallon 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 Analytical) 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 EPA Method 8260C, PAHs by EPA Method 8270E/selected ion monitoring (SIM), metals by EPA Method 6010D/7471B, and alkalinity by EPA Method 9045D.

Combined DRO and ORO were detected at concentrations exceeding MTCA Method A cleanup levels in soil samples collected from three of the 12 test pit locations, with a total of four soil samples exceeding the MTCA Method A cleanup level of 2,000 mg/kg. Soil exceedances were identified for one or more samples collected from test pits FTP-23, FTP-27, and FTP-30 at depths ranging between 4 and 17 feet bgs (Figure 4; Table 2).

Soil samples collected from test pits FTP-21, FTP-23, and FTP-34 proximate to the Former Concrete Batch Plant were analyzed for GRO, VOCs, PAHs, alkalinity, and/or metals. Soil analytical results for GRO, VOCs, PAHs, and metals either were not detected at the laboratory practical quantitation limits (PQLs) or were detected at concentrations less than applicable

MTCA cleanup levels. Soil analytical results for alkalinity were detected at pH values ranging between 5.2 and 8.6, which are typical of soils in western Washington. Based on these data, GRO, VOCs, PAHs, alkalinity, and metals were not considered to be COCs for the Former Concrete Batch Plant.

The source of the release was confirmed to be from historic release(s) during operation of the Former Concrete 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 Concrete Batch Plant. Technical elements included identification of the cleanup action objectives, ARARs, COCs, media of concern, TEE, and the cleanup standards for the Former Concrete 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 Concrete Batch Plant met the eligibility requirements for a model remedy in accordance with Ecology's Model Remedies for Sites with Petroleum Contaminated soils (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 Concrete Batch Plant meets the requirements for Model Remedy 4 because the permanent cleanup action was completed to the maximum extent practicable and the Site-specific MTCA Method B cleanup level was achieved at the point of compliance for soil.

In accordance with MTCA and Ecology's Model Remedies for Sites with Petroleum Contaminated Soils (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 at the Former Concrete Batch Plant;
- Meet MTCA cleanup levels established for soil at the point of compliance;

- 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 2010);
- Model Remedies for Sites with Petroleum Contaminated Soils (Ecology 2015); and
- Washington State Solid Waste Management Laws and Regulations, RCW 70.95, 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 and guidance documents related to the cleanup action for the Former Concrete 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. DRO and ORO have been identified as the COCs for the Former Concrete Batch Plant. Combined DRO and ORO were detected at concentrations exceeding MTCA Method A cleanup levels in soil samples collected at the Former Concrete Batch Plant. GRO, VOCs, PAHs, alkalinity, and metals were eliminated as COPCs for the Former Concrete Batch Plant because they were reported non-detect at the laboratory PQLs or at concentrations less than the MTCA cleanup levels.

3.5 MEDIA OF CONCERN

Soil has been confirmed as the medium of concern at the Former Concrete Batch Plant. DRO and ORO were the only COCs detected at concentrations exceeding the MTCA Method A cleanup levels in soil samples collected at the Former Concrete Batch Plant.

Combined DRO and ORO concentrations either were not detected at the laboratory PQLs or were detected at concentrations less than the MTCA Method A cleanup levels in groundwater samples collected from all four monitoring wells (FMW-05 through FMW-08) during the July 2019 through April 2022 groundwater monitoring events. Therefore, groundwater is not a medium of concern.

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)(c), the Former Concrete Batch Plant is excluded from a TEE, as there are fewer than 1.5 acres of contiguous undeveloped land on the Former Concrete Batch Plant or within 500 feet of any area of the Former Concrete Batch Plant, and the Former Concrete Batch Plant is not contaminated with any of the hazardous substances listed in WAC 173-340-7491(1)(c)(ii). No further consideration of terrestrial ecological impacts is required under MTCA. The Ecology TEE Form for the Former Concrete 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 Concrete 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

During the independent cleanup action, the MTCA Method A cleanup levels were used as the preliminary cleanup levels for the Former Concrete Batch Plant. Following completion of the independent cleanup action, Farallon collected additional soil samples to calculate site-specific MTCA Method B soil cleanup levels for direct contact using the Ecology MTCATPH Workbook (Ecology 2007). The cleanup levels for soil at the Former Concrete Batch Plant are the calculated site-specific MTCA Method B soil cleanup levels for direct contact (Appendix D):

- DRO and ORO – 2,796 mg/kg.

3.7.2 Points of Compliance

The points of compliance are the locations at which COC cleanup levels in soil must be attained to meet the requirements of MTCA. The point of compliance for the Former Concrete Batch Plant was established in accordance with WAC 173-340-740(6) for soil.

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 Concrete Batch Plant. The point of compliance is based on two exposure pathways, direct contact and leaching to groundwater. Empirical data was used to demonstrate that the soil contaminant concentrations are protective of the soil leaching to groundwater pathway.

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 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 the 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
- Collection of soil samples for analysis of extractable petroleum hydrocarbons (EPH) and volatile petroleum hydrocarbons (VPH) to calculate Site-specific MTCA Method B soil cleanup levels for the Former Concrete Batch Plant.

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 Concrete 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 identified based on columns numbered 1 through 7 and rows lettered A/AA to I/II, which correspond to soil samples collected during the excavations (Figures 8 and 9).

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 and 2019 subsurface investigations.

During the cleanup action, Farallon 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 to the maximum extent practicable 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 areas.

Laboratory analytical results for the performance soil samples are summarized on Figures 8 and 9 and in Table 2. Table 2 indicates 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 Concrete Batch Plant. Performance soil samples collected during previous subsurface investigations 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 areas.

Figure 10 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 excavations, four compliance monitoring wells (FMW-05 through FMW-08) were installed within the vicinity of the Former Concrete Batch Plant. Monitoring wells FMW-05 through FMW-08 were installed on July 10 and 11, 2019 by Anderson Environmental Contracting, LLC (AEC) of Kelso, Washington. Monitoring well locations are shown on Figure 3.

Monitoring wells FMW-05 through FMW-08 were installed using a sonic drill rig. Farallon 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 to 35.5 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 a 20-foot screen interval from 15 to 35 feet bgs, with exception to FMW-05, which was constructed with a screen interval from 15.5 to 35.5 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 container, placed on ice in a cooler, and transported under standard chain-of-custody protocols and delivered to OnSite for analysis of DRO and ORO by Northwest Method TPH-Dx. Soil analytical results are summarized on Table 2 and illustrated on Figure 10. A copy of the laboratory analytical report is included in Appendix B.

4.7 COMPLIANCE GROUNDWATER MONITORING

Farallon performed three groundwater monitoring events between July 2019 and April 2022 to evaluate post-excavation groundwater conditions. Laboratory analytical results are summarized in Table 6 and illustrated on Figure 11.

During the groundwater monitoring events, monitoring wells were opened and allowed to equilibrate to atmospheric pressure for at least 15 minutes. The depth to groundwater in each monitoring well was then measured to the nearest 0.01 of a foot using a water-level meter. Groundwater elevations are summarized on Table 1 and groundwater contour maps are included as Figures 5 through 7.

Groundwater samples were collected in accordance with EPA (1996) procedures. 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 TPH-Dx. The laboratory analytical reports are provided in Appendix B.

4.8 JUNE 2022 SUPPLEMENTAL SUBSURFACE INVESTIGATION

In June 2022, Farallon conducted a supplemental subsurface investigation to collect additional soil samples for the purpose of calculating Site-specific MTCA Method B soil cleanup levels for the residual PCS at the Former Concrete Batch Plant. Two test pits (FTP-34 and FTP-35) were excavated to a maximum depth of 12 feet bgs within the area of the Former Concrete Batch Plant (Figure 10). Test pit locations and soil analytical results are shown on Figure 10 and analytical results are presented in Table 7. Laboratory analytical reports for subsurface investigation activities are provided in Appendix B.

Farallon 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 sample containers fitted with Teflon-lined lids. Soil samples retained for VOC analysis were collected in accordance with EPA Method 5025A. Samples were placed on ice in a cooler under standard chain-of-custody protocols and delivered to Fremont Analytical for analysis of DRO and ORO by Northwest Method TPH-Dx, EPH by Northwest Method NWEPH, VPH by Northwest Method NWVPH, VOCs by EPA Method 8260D, and PAHs by EPA Method 8270E/SIM.

Laboratory analytical results from the June 2022 test pit subsurface investigation were used to calculate site-specific MTCA Method B cleanup levels, as detailed in Section 3.7.

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 soil with concentrations of DRO and ORO exceeding the Site-specific MTCA Method B cleanup level. The final lateral limits for the excavation areas and remaining soil concentrations of DRO and ORO are shown on Figure 10.

The confirmation soil sampling analytical results demonstrate that soil with concentrations of DRO and ORO exceeding the Site-specific MTCA Method B cleanup levels has been removed to the maximum extent practicable (Figure 10; Table 2). The final depth of both excavations (Excavation Areas 1 and 2) was 17 feet bgs.

5.2 SOIL TRANSPORT AND DISPOSAL

A total of 4,748 tons of soil were excavated and transported off of the Former Concrete 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 E.

5.3 GROUNDWATER SAMPLING

Combined DRO and ORO either were not detected at the laboratory PQLs or were detected at concentrations less than MTCA Method A cleanup levels in groundwater samples collected from all four monitoring wells (FMW-05 through FMW-08) during the July 2019 through April 2022 groundwater monitoring events (Figure 11; Table 6). These data demonstrate that groundwater is not a medium of concern.

6.0 SUMMARY AND REQUEST FOR NFA DETERMINATION

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

This CAR documents the permanent cleanup action completed at the Former Concrete Batch Plant. The permanent cleanup action was completed in 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 4,748 tons of soil was excavated and transported to the Cowlitz County Landfill in Longview, Washington.

Localized areas of PCS on the western portion of Excavation Area 1 at depths from 3 to 12 feet bgs, and the northern and southeastern portion of Excavation Area 2 at depths from 12 to 17 feet bgs were not excavated due to access limitations posed from the rail lines and overhead utilities and the disproportionate costs associated with removing a significant amount of overburden to access the small volume of PCS remaining in-place.

A Site-specific Method B cleanup level was calculated for the Former Concrete Batch Plant in accordance with Ecology's Guidance for Remediation of Petroleum Contaminated Sites (Ecology 2010). The small volume of PCS remaining in-place at the Concrete Batch Plant is less than the calculated Site-specific Method B cleanup level of 2,796 mg/kg. 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 leaching to groundwater, are incomplete.

Groundwater monitoring events were conducted between July 2019 and April 2022 to evaluate post-excavation groundwater conditions. Based on the results from the groundwater monitoring events, concentrations of DRO and ORO were less than the MTCA Method A cleanup levels. Therefore, groundwater is not a medium of concern.

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 Concrete 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 Soils (Ecology 2015). Specifically, the Former Concrete Batch Plant meets the requirements of Model Remedy 4 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 site-specific MTCA Method B cleanup level was achieved at the point of compliance for soil. In addition, no buildings currently exist or are planned to be developed within the area of the Former Concrete Batch Plant and the vapor intrusion pathway is incomplete.

Farallon, on behalf of Lakeside Industries, requests that Ecology issue an NFA determination for the Former Concrete Batch Plant.

7.0 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 Concrete Batch Plant, 2001 Johnson Road, Centralia, Washington. From Pete Kingston and J. Riley Conkin. To Nicholas Acklam, Washington State Department of Ecology. April 17.
- G-Logics, Inc. (G-Logics). 2005. *Phase I Environmental Site Assessment, Former Central Reddi Mix, Lakeside Concrete Plant, 2001 Johnson Road, Centralia, Washington 98531*. March 1.
- Washington State Department of Ecology (Ecology). 2004. *Determining Compliance with Method A Cleanup Levels for Diesel and Heavy Oil, Implementation Memorandum #4*. June 17.
- . 2007. *Workbook for Calculating Cleanup Levels for Petroleum Contaminated Sites (MTCATPH11.1 Excel Workbook)*. Revised August 2022.
- . 2010. *Guidance for Remediation of Petroleum Contaminated Sites*. Publication 10-09-057. Revised June 2016.
- . 2015. *Model Remedies for Sites with Petroleum Contaminated Soils*. Publication 15-09-043. Revised August 2017.
- U.S. Environmental Protection Agency (EPA). 1996. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*. EPA Groundwater Issue /540/S-95/504. April.

8.0 LIMITATIONS

8.1 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 Property 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 Property 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 Property 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, Inc., and currently accepted industry standards. No other warranties, representations, or certifications are made.

8.2 LIMITATION ON RELIANCE BY THIRD PARTIES

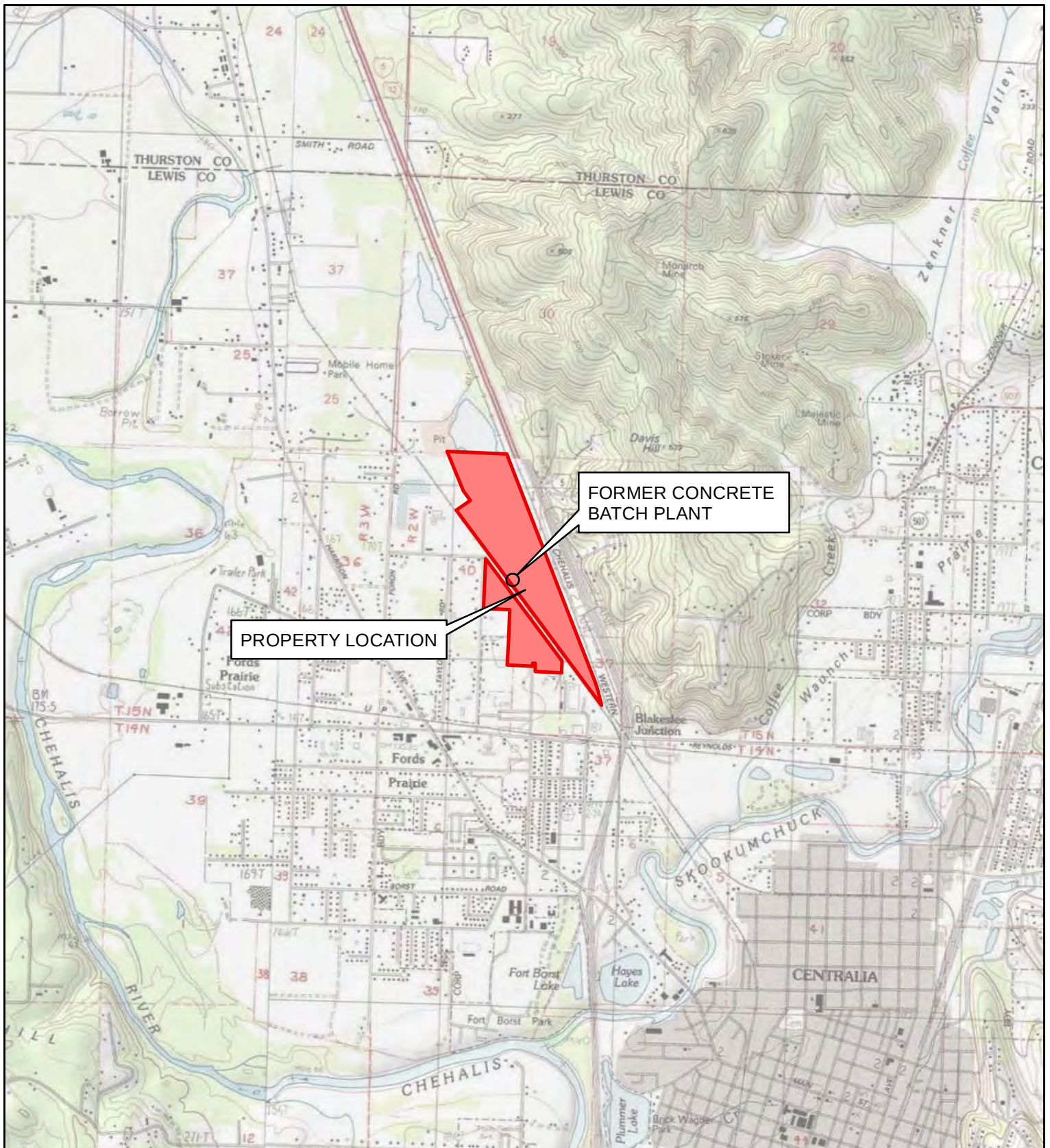
Reliance by third parties is prohibited. This report/assessment has been prepared for the exclusive use of Lakeside Industries, Inc. to address the unique needs of Lakeside Industries, Inc. at the Former Concrete Batch Plant at a specific point in time.

This is not a general grant of reliance. No one other than Lakeside Industries, Inc. 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 Concrete Batch Plant
2001 Johnson Road
Centralia, Washington

Farallon PN: 525-032



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



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FIGURE 1

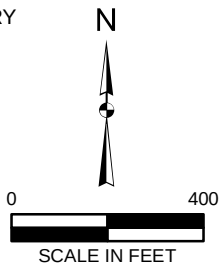
PROPERTY VICINITY MAP
FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-032



LEGEND

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



NOTES:
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FIGURE 2

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

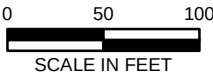
FARALLON PN: 525-032



LEGEND

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

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FIGURE 3
PROPERTY PLAN
FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-032



LEGEND

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

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FIGURE 4

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

FARALLON PN: 525-032

Drawn By: chartman

Checked By: SS

Date: 3/3/2023

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LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY
- GROUNDWATER ELEVATION (7/17/2019) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- 154.00 - GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

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FIGURE 5

GROUNDWATER CONTOURS
JULY 17, 2019
FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-032

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LEGEND

- MONITORING WELL (FARALLON, 2019)
- EXCAVATION EXTENT
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY
- GROUNDWATER ELEVATION (10/14/2019) MEASURED IN FEET REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)
- GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- APPROXIMATE GROUNDWATER FLOW DIRECTION

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FIGURE 6

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

FARALLON PN: 525-032

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LEGEND

- MONITORING WELL (FARALLON, 2019)
- 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

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FIGURE 7

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

FARALLON PN: 525-032

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LEGEND

- CONFIRMATION SAMPLE (FARALLON, 2019)
- PERFORMANCE SAMPLE - OVEREXCAVATED (FARALLON, 2019)
- ◆ TEST PIT (FARALLON, 2018-2019)
- ▭ EXCAVATION EXTENT
- ▭ EXCAVATION GRID 30' X 30'
- ▭ FORMER PROPERTY FEATURE
- ▭ PROPERTY BOUNDARY
- ▭ LEWIS COUNTY PARCEL BOUNDARY

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FIGURE 8

SOIL ANALYTICAL RESULTS FOR
THE SUM OF DRO AND ORO
SOIL EXCAVATION 1
FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-032



NOTES:
SOIL RESULTS SHOWN AS
DEPTH IN FEET BGS | SUM OF DRO AND ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
BOLD = CONCENTRATIONS THAT EXCEED SITE-SPECIFIC MTCA
METHOD B 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)
 - ▭ EXCAVATION EXTENT
 - ▭ EXCAVATION GRID 30' X 30'
 - ▭ FORMER PROPERTY FEATURE
 - ▭ PROPERTY BOUNDARY
 - ▭ LEWIS COUNTY PARCEL BOUNDARY

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Date: 3/3/2023

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FIGURE 9

SOIL ANALYTICAL RESULTS FOR
THE SUM OF DRO AND ORO
SOIL EXCAVATION 2
FORMER CONCRETE BATCH PLANT
2001 JOHNSON ROAD
CENTRALIA, WASHINGTON

FARALLON PN: 525-032

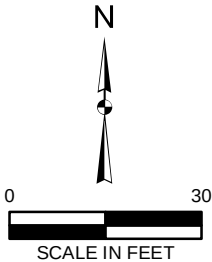
Disc Reference:



NOTES:
SOIL RESULTS SHOWN AS
DEPTH IN FEET BGS | SUM OF DRO AND ORO
ANALYTICAL RESULTS IN MILLIGRAMS PER KILOGRAM
< = 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

- MONITORING WELL (FARALLON, 2019)
- CONFIRMATION SAMPLE (FARALLON, 2019)
- TEST PIT (FARALLON, 2018-2019)
- TEST PIT (FARALLON, 2022)
- EXCAVATION EXTENT (17-Feet BGS)
- FORMER PROPERTY FEATURE
- PROPERTY BOUNDARY
- LEWIS COUNTY PARCEL BOUNDARY



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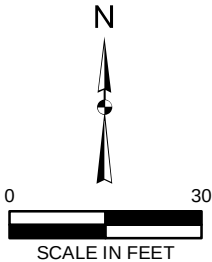
FIGURE 10

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

FARALLON PN: 525-032



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



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Date: 2/9/2023

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Path: \\edgefs02\GIS\Projects\525 Lakeside\Indust\032 CalPortland Batch Plant\Mapfiles\007_CAR_2022\Figure-11_GW_DRO_ORO.mxd

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

FIGURE 11

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

FARALLON PN: 525-032

TABLES

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

Farallon PN: 525-032

Table 1
Groundwater Elevations
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Location	Top of Casing Elevation (feet NAVD88)¹	Monitoring Date	Depth to Water (feet)²	Water Level Elevation (feet NAVD88)¹
FMW-05	180.08	7/17/2019	25.61	154.47
		10/14/2019	27.30	152.78
		4/12/2022	13.89	166.19
FMW-06	180.44	7/17/2019	26.48	153.96
		10/14/2019	28.35	152.09
		4/12/2022	14.21	166.23
FMW-07	180.51	7/17/2019	26.07	154.44
		10/14/2019	27.75	152.76
		4/12/2022	14.46	166.05
FMW-08	180.88	7/17/2019	27.23	153.65
		10/14/2019	28.94	151.94
		4/12/2022	15.54	165.34

NOTES:

¹ In feet above mean sea level.

² In feet below top of well casing.

NAVD88 = North American Vertical Datum of 1988

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

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									
G6	FTP-21	FTP-21-4.0	4.0	6/20/2018	In-place	150	< 54	150	< 7.2
		FTP-21-6.0	6.0	6/20/2018	In-place	< 31	110	110	---
		FTP-21-17.0	17.0	6/20/2018	In-place	< 28	< 56	< 84	---
E6	FTP-22	FTP-22-4.0	4.0	6/20/2018	In-place	73 N	600	673	---
		FTP-22-12.0	12.0	6/20/2018	In-place	< 30	< 60	< 90	---
		FTP-22-17.0	17.0	6/20/2018	In-place	< 29	< 58	< 87	---
E3	FTP-23	FTP-23-2.0	2.0	6/20/2018	Over Excavated	1,700	< 72	1,700	< 35
		FTP-23-8.0	8.0	6/20/2018	Over Excavated	2,800	< 210	2,800	< 35
		FTP-23-17.0	17.0	6/20/2018	In-place	240	< 57	240	< 30
2019 Subsurface Investigation									
I5	FTP-25	FTP-25-4	4.0	4/15/2019	In-place	< 31	< 61	< 92	---
		FTP-25-8	8.0	4/15/2019	In-place	< 29	< 58	< 87	---
		FTP-25-17	17.0	4/15/2019	In-place	< 28	< 56	< 84	---
G4	FTP-26	FTP-26-8	8.0	4/15/2019	In-place	< 28	< 55	< 83	---
		FTP-26-12	12.0	4/15/2019	In-place	< 28	< 55	< 83	---
		FTP-26-17	17.0	4/15/2019	In-place	< 28	< 56	< 84	---
E2	FTP-27	FTP-27-4	4.0	4/15/2019	Over Excavated	2,200	160 N1	2,360	---
		FTP-27-8	8.0	4/15/2019	Over Excavated	< 28	< 56	< 84	---
		FTP-27-17	17.0	4/15/2019	In-place	< 30	< 59	< 89	---
D1	FTP-28	FTP-28-4	4.0	4/15/2019	In-place	< 28	< 56	< 84	---
		FTP-28-8	8.0	4/15/2019	In-place	< 28	< 57	< 85	---
		FTP-28-17	17.0	4/15/2019	In-place	< 29	< 59	< 88	---
D4	FTP-29	FTP-29-8	8.0	4/15/2019	In-place	< 30	200	200	---
		FTP-29-12	12.0	4/15/2019	In-place	42 N	220	262	---
		FTP-29-17	17.0	4/15/2019	In-place	< 43	110	110	---
C5	FTP-30	FTP-30-12	12.0	4/15/2019	Over Excavated	180 N	1,900	2,080	---
		FTP-30-17	17.0	4/15/2019	Over Excavated	14,000 N	23,000	37,000	---
		FTP-30-24	24.0	4/15/2019	In-place	< 34	130	130	---

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

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
MTCA Method A Cleanup Levels for Soil ⁵						2,000	2,000	2,000	30/100 ⁶
Site-Specific MTCA Method B Cleanup Level ⁷						2,796		2,796	---
D6	FTP-31	FTP-31-4	4.0	4/15/2019	In-place	170 N	1,100	1,270	---
		FTP-31-12	12.0	4/15/2019	In-place	< 28	120	120	---
		FTP-31-17	17.0	4/15/2019	In-place	< 28	< 56	< 84	---
F7	FTP-32	FTP-32-4	4.0	4/15/2019	In-place	< 26	< 52	< 78	---
		FTP-32-8	8.0	4/15/2019	In-place	< 27	< 55	< 82	---
		FTP-32-17	17.0	4/15/2019	In-place	< 29	< 58	< 87	---
A4	FTP-33	FTP-33-4	4.0	4/15/2019	In-place	< 27	78	78	---
		FTP-33-12	12.0	4/15/2019	In-place	< 31	120	120	---
		FTP-33-17	17.0	4/15/2019	In-place	< 32	140	140	---
Soil Excavation Performance and Confirmation Samples - Excavation Area 1									
D1	D1-01	D1-01-3.0	3.0	5/16/2019	Over Excavated	4,200	190 N1	4,390	---
	D1-02	D1-02-6.0	6.0	5/16/2019	Over Excavated	76	< 55	76	---
	D1-03	D1-03-12.0	12.0	5/16/2019	In-place	< 28	< 56	< 84	---
	D1-04	D1-04-3.0	3.0	5/16/2019	In-place	< 29	100	100	---
D2	D2-01	D2-01-8.0	8.0	5/15/2019	In-place	< 29	< 59	< 88	---
	D2-02	D2-02-13.0	13.0	5/15/2019	In-place	< 29	< 57	< 86	---
	D2-03	D2-03-17.0	17.0	5/15/2019	In-place	< 29	< 59	< 88	---
	D2-04	D2-04-4.0	4.0	5/15/2019	In-place	< 28	< 57	< 85	---
	D2-05	D2-05-3.0	3.0	5/16/2019	Over Excavated	150	140	290	---
	D2-06	D2-06-10.0	10.0	5/16/2019	In-place	< 28	< 55	< 83	---
D3	D3-01	D3-01-3.0	4.0	5/15/2019	In-place	< 29	150	150	---
	D3-02	D3-02-8.0	8.0	5/15/2019	In-place	< 28	< 55	< 83	---
D4	D4-01	D4-01-3.0	3.0	5/15/2019	In-place	62 N	200	262	---
	D4-02	D4-02-9.0	9.0	5/15/2019	In-place	< 29	< 58	< 87	---
E2	E2-01	E2-01-12.0	12.0	5/15/2019	Over Excavated	4,700	< 180 U1	4,700	---
	E2-02	E2-02-17.0	17.0	5/16/2019	In-place	< 29	< 58	< 87	---
	E2-03	E2-03-3.0	3.0	5/16/2019	In-place	2,100	190 N1	2,290	---
	E2-04	E2-04-10.0	10.0	5/16/2019	In-place	240	< 59	240	---

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

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
MTCA Method A Cleanup Levels for Soil ⁵						2,000	2,000	2,000	30/100 ⁶
Site-Specific MTCA Method B Cleanup Level ⁷						2,796		2,796	---
E3	E3-01	E3-01-17.0	17.0	5/16/2019	In-place	210	< 55	210	---
E4	E4-01	E4-01-4.0	4.0	5/15/2019	In-place	< 28	86	86	---
	E4-02	E4-02-8.0	8.0	5/15/2019	In-place	< 27	< 54	< 81	---
	E4-03	E4-03-12.0	12.0	5/15/2019	In-place	< 27	< 54	< 81	---
F2	F2-01	F2-01-3.0	3.0	5/16/2019	In-place	2,000	120 N1	2,120	---
	F2-02	F2-02-8.0	8.0	5/16/2019	In-place	< 27	< 54	< 81	---
	F2-03	F2-03-12.0	12.0	5/16/2019	In-place	2,300	< 57	2,300	---
F3	F3-01	F3-01-2.0	2.0	5/15/2019	In-place	510	190 N1	700	---
	F3-02	F3-02-6.0	6.0	5/15/2019	In-place	45 N	120	165	---
	F3-03	F3-03-12.0	12.0	5/15/2019	In-place	< 28	< 56	< 84	---
	F3-04	F3-04-17.0	17.0	5/15/2019	In-place	< 28	< 57	< 85	---
	F3-05	F3-05-3.0	3.0	5/16/2019	In-place	< 31	120	120	---
	F3-06	F3-06-9.0	9.0	5/16/2019	In-place	< 29	< 59	< 88	---
	F3-07	F3-07-14.0	14.0	5/16/2019	In-place	< 28	< 57	< 85	---
	F3-08	F3-08-15.0	15.0	5/16/2019	In-place	< 28	< 56	< 84	---
Soil Excavation Performance and Confirmation Samples - Excavation Area 2									
BB5	BB5-01	BB5-01-17.0	17.0	5/16/2019	In-place	930	1,400	2,330	---
BB6	BB6-01	BB6-01-11.0	11.0	5/17/2019	In-place	46 N	230	276	---
CC5	CC5-01	CC5-01-8.0	8.0	5/17/2019	In-place	290 N	1,400	1,690	---
	CC5-02	CC5-02-12.0	12.0	5/17/2019	In-place	< 30	280	280	---
	CC5-03	CC5-03-17.0	17.0	5/17/2019	In-place	160 N	1,200	1,360	---
CC6	CC6-01	CC6-01-17.0	17.0	5/17/2019	In-place	47 N	220	267	---
	CC6-02	CC6-02-3.0	3.0	5/17/2019	In-place	< 27	100	100	---
	CC6-03	CC6-03-9.0	9.0	5/17/2019	In-place	< 31	70	70	---
	CC6-04	CC6-04-14.0	14.0	5/17/2019	In-place	160	390	550	---
CC7	CC7-01	CC7-01-12.0	12.0	5/17/2019	In-place	250 N	2,200	2,450	---
DD5	DD5-01	DD5-01-14.0	14.0	5/17/2019	In-place	< 34	300	300	---

Table 2
Soil Analytical Results for Petroleum Hydrocarbons
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

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
MTCA Method A Cleanup Levels for Soil ⁵						2,000	2,000	2,000	30/100 ⁶
Site-Specific MTCA Method B Cleanup Level ⁷						2,796		2,796	---
DD6	DD6-01	DD6-01-12.0	12.0	5/17/2019	In-place	220 N	1,200	1,420	---
	DD6-02	DD6-02-17.0	17.0	5/17/2019	In-place	130 N	1,200	1,330	---
	DD6-03	DD6-03-12.0	12.0	5/17/2019	In-place	1,000	1,100	2,100	---
	DD6-04	DD6-04-10.0	10.0	5/17/2019	In-place	68 N	790	858	---
	DD6-05	DD6-05-16.0	16.0	5/17/2019	In-place	200 N	1,300	1,500	---
2019 Supplemental Subsurface Investigation									
E2	FMW-05	FMW-05-5.0	5.0	7/10/2019	In-place	< 26	< 52	< 78	---
		FMW-05-10.0	10.0	7/10/2019	In-place	< 28	< 57	< 85	---
		FMW-05-15.0	15.0	7/10/2019	In-place	< 29	< 57	< 86	---
E3	FMW-08	FMW-08-20.0	20.0	7/11/2019	In-place	< 28	< 55	< 83	---
MTCA Method A Cleanup Levels for Soil ⁵						2,000	2,000	2,000	30/100 ⁶
Site-Specific MTCA Method B Cleanup Level ⁷						2,796		2,796	---

NOTES:

Results in **bold** and highlighted **yellow** denote concentrations exceeding the site-specific Method B cleanup level.

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

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.

⁷Site-specific total petroleum hydrocarbon cleanup level calculated using the Washington State Department of Ecology's MTCATPH Workbook tool in accordance with MTCA, Chapter 173-340 of the Washington Administrative Code.

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

GRO = TPH as gasoline-range organics

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

N1 = hydrocarbons in the diesel range are impacting oil range results.

ORO = TPH as oil-range organics

Table 3
Soil Analytical Results for Detected VOCs and Formaldehyde
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram)						
				1,2,4- Trimethylbenzene ²	Carbon Disulfide ²	Naphthalene ²	n-Butylbenzene ²	n-Propylbenzene ²	sec-Butylbenzene ²	Formaldehyde ³
FTP-21	FTP-21-4.0	4.0	6/20/2018	0.0015	< 0.0012	0.0019	< 0.0012	< 0.0012	< 0.0012	< 2.5
FTP-23	FTP-23-2.0	2.0	6/20/2018	< 0.070	0.0084	< 0.070	< 0.070	< 0.070	< 0.070	< 2.5
	FTP-23-8.0	8.0	6/20/2018	< 0.069	< 0.069	1.2	0.24	< 0.069	0.082	< 2.5
	FTP-23-17.0	17.0	6/20/2018	0.0059	< 0.0012	0.044	0.0073	0.0018	0.0028	< 2.5
MTCA Cleanup Levels for Soil				NE	8,000 ⁵	5 ⁴	4,000 ⁵	8,000 ⁵	8,000 ⁵	16,000 ⁵

NOTES:
< denotes analyte not detected at or exceeding the reporting limit listed.
¹Depth in feet below ground surface.
²Analyzed by U.S. Environmental Protection Agency Method 8260C. Only detected VOCs shown in table; see lab report for full list of analytes.
³Analyzed by National Institute for Occupational Safety and Health (NIOSH) Method 3500.
⁴Washington 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.
⁵Washington State Cleanup Levels and Risk Calculations under the Washington State Model Toxics Control Act Cleanup Regulation, Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway,
<https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

J = result is an estimate
NE = not established
VOC = volatile organic compound

Table 4
Soil Analytical Results for Metals
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results (milligrams per kilogram) ²							
				Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
FTP-23	FTP-23-2.0	2.0	6/20/2018	< 11	52	< 0.55	14	< 5.5	< 0.27	< 11	< 1.1
MTCA Cleanup Levels for Soil ³				20	16,000⁴	2	2,000	250	2	400⁴	400⁴

NOTES:

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

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Methods 6010D/7471B.

³Washington 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 amended 2013 unless otherwise noted.

⁴Washington State Department of Ecology Cleanup Levels and Risk Calculations, under the Washington State Model Toxics Control Act Cleanup Regulation (MTCA) Standard Method B Formula Values for Soil (Unrestricted Land Use) - Direct Contact (Ingestion Only) and Leaching Pathway,
<https://fortress.wa.gov/ecy/clarc/Reporting/ChemicalQuery.aspx>

Table 5
Soil Analytical Results for pH
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Sample Location	Sample Identification	Sample Depth (feet) ¹	Sample Date	Analytical Results ²
				pH (pH at 25 degrees Celsius)
FTP-21	FTP-21-4.0	4.0	6/20/2018	8.6
	FTP-21-6.0	6.0	6/20/2018	5.7
FTP-22	FTP-22-4.0	4.0	6/20/2018	7.7
	FTP-22-12.0	12.0	6/20/2018	5.2
FTP-23	FTP-23-2.0	2.0	6/20/2018	6.7
	FTP-23-8.0	8.0	6/20/2018	7.0
MTCA Method A Cleanup Levels for Soil³				NE

NOTES:

¹Depth in feet below ground surface.

²Analyzed by U.S. Environmental Protection Agency Method 9045D.

³Washington 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.

Table 6
Groundwater Analytical Results for Petroleum Hydrocarbons
CalPortland Batch Plant
Centralia, Washington
Farallon PN: 525-032

Sample Location	Sample Date	Sample Identification	Analytical Results (micrograms per liter)		
			DRO ¹	ORO ¹	Calculated NWTPH-Dx ²
FMW-05	7/17/2019	FMW-05-071719	< 260	430	430
	10/15/2019	FMW-5-101519	< 260	< 410	< 670
	4/13/2022	FMW-05-041322	212	< 151	212
FMW-06	7/17/2019	FMW-06-071719	< 260	460	460
	10/14/2019	FMW-7-101419	270	< 420	270
	4/12/2022	FMW-06-041222	338	< 152	338
FMW-07	7/17/2019	FMW-07-071719	< 260	< 410	< 670
	10/15/2019	FMW-6-101519	< 260	< 410	< 670
	4/13/2022	FMW-07-041322	160	< 152	160
FMW-08	7/17/2019	FMW-08-071719	< 260	440	440
	10/15/2019	FMW-8-101519	< 260	< 410	< 670
	4/13/2022	FMW-08-041322	274	< 152	274
MTCA Method A Cleanup Levels for Groundwater³			500	500	500

NOTES:

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

¹Analyzed by Northwest Method NWTPH-Dx.

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.

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

ORO = TPH as oil-range organics

Table 7
Soil Analytical Results for Site-Specific Soil Cleanup Level Calculations
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Sample Location	FTP-34	FTP-34
Sample Identification	FTP-34-3.0	FTP-34-12.0
Sample Depth (ft bgs) ¹	3.0	12.0
Sample Date	6/1/2022	6/1/2022
Parameter		
Total Petroleum Hydrocarbons² (mg/kg)		
DRO	< 57.9	< 55.4
ORO	< 116	< 111
Total DRO and ORO	< 174	< 166
Volatile Petroleum Hydrocarbons³ (mg/kg)		
C5-C6 Aliphatics	< 2.64	< 2.07
C6-C8 Aliphatics	< 1.59	< 1.24
C8-C10 Aliphatics	< 2.64	< 2.07
C10-C12 Aliphatics	1.75	< 0.413
C8-C10 Aromatics	< 3.17	< 2.48
C10-C12 Aromatics	4.04 J+	< 0.413
C12-C13 Aromatics	37.8 J+	2.51 J+
Extractable Petroleum Hydrocarbons⁴ (mg/kg)		
C8-C10 Aliphatics	< 20.7	< 22.0
C10-C12 Aliphatics	< 10.3	< 11.0
C12-C16 Aliphatics	< 10.3	< 11.0
C16-C21 Aliphatics	< 10.3	< 11.0
C21-C34 Aliphatics	< 10.3	< 11.0
C8-C10 Aromatics	< 20.7	< 22.0
C10-C12 Aromatics	< 10.3	< 11.0
C12-C16 Aromatics	< 10.3	< 11.0
C16-C21 Aromatics	< 10.3	< 11.0
C21-C34 Aromatics	< 10.3	< 11.0
Volatile Organic Compounds⁵ (mg/kg)		
Benzene	< 0.0219	< 0.0150
Toluene	< 0.0328	< 0.0225
Ethylbenzene	< 0.0274	< 0.0188
Total Xylenes	< 0.0821	< 0.0564
1,2-Dichloroethane (EDC)	< 0.0252	< 0.0173
1,2-Dibromoethane (EDB)	< 0.0109	< 0.00751

Table 7
Soil Analytical Results for Site-Specific Soil Cleanup Level Calculations
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Polycyclic Aromatic Hydrocarbons ⁶ (mg/kg)		
Naphthalene	< 0.0223	< 0.0191
1-Methylnaphthalene	< 0.0223	< 0.0191
2-Methylnaphthalene	< 0.0223	< 0.0191
Acenaphthene	< 0.0223	< 0.0191
Acenaphthylene	< 0.0223	< 0.0191
Anthracene	< 0.0446	< 0.0383
Benzo(g,h,i)Perylene	< 0.0223	< 0.0191
Fluoranthene	< 0.0446	< 0.0383
Fluorene	< 0.0223	< 0.0191
Phenanthrene	< 0.0446	< 0.0383
Pyrene	< 0.0446	< 0.0383
Benzo(a)Anthracene	< 0.0223	< 0.0191
Benzo(a)Pyrene	< 0.0223	< 0.0191
Benzo(b)Fluoranthene	< 0.0223	< 0.0191
Benzo(k)Fluoranthene	< 0.0223	< 0.0191
Chrysene	< 0.0446	< 0.0383
Dibenzo(a,h)Anthracene	< 0.0446	< 0.0383
Indeno(1,2,3-cd)Pyrene	< 0.0446	< 0.0383

NOTES:

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

¹Depth in feet below ground surface.

²Analyzed by Northwest Method NWTPH-Dx.

³Analyzed by Northwest Method NWVPH.

⁴Analyzed by Northwest Method NWEPH.

⁵Analyzed by U.S. Environmental Protection Agency (EPA) Method 8260D.

⁶Analyzed by EPA Method 8270E/SIM.

J+ = result is an estimate with a high bias

mg/kg = milligrams per kilogram

APPENDIX A
BORING AND TEST PIT LOGS

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

Farallon PN: 525-032



Log of Boring: FMW-05

Page 1 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/10/19 @ 0840
Date/Time Completed: 07/10/19 @ 1000
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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		0.0-1.5': Silty SAND (70% sand, 20% silt, 10% gravel), fine and medium sand, fine and coarse gravel, brown, moist, organic odor.	SM		100					Concrete
		1.5-2.0': Poorly graded SAND (100% sand), medium and coarse sand, brown, moist, no odor.	SP							
		2.0-4.5': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine and medium sand, coarse gravel, black, moist, no odor.	SP-SM							
5		4.5-5.0': Silty SAND (70% sand, 20% silt, 10% gravel), fine and medium sand, fine and coarse gravel, brown, moist, no odor.	SM		100		0.4	FMW-05-5.0	X	
		5.0-7.0': Silty SAND (70% sand, 20% silt, 10% gravel), fine and medium sand, fine and coarse gravel, trace cobbles, brown, dry, no odor.	SM							
		7.0-10.0': Silty GRAVEL with sand (40% gravel, 35% sand, 25% silt), fine and coarse gravel, fine and medium sand, gray, moist, no odor.	GM							Bentonite
10		10.0-12.5': Silty GRAVEL with sand (40% gravel, 35% sand, 25% silt), fine and coarse gravel, fine to coarse sand, large cobbles, moist, no odor.	GM		100		0.3	FMW-05-10.0	X	
		12.5-15.0': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, fine and medium sand, cobbles, gray, moist, slight petroleum-like odor.	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): 15.5-35.5

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-516



Log of Boring: FMW-05

Page 2 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/10/19 @ 0840
Date/Time Completed: 07/10/19 @ 1000
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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
		15.0-17.5': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, fine to coarse sand, large cobbles, gray, moist to wet, no odor.	GM		50		0.3	FMW-05-15.0	X	
		17.5-20.0': No recovery.								
20		20.0-24.5': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, fine and medium sand, cobbles, gray, moist, no odor.	GM		100		0.5	FMW-05-20.0		Screen
25		24.5-25.0': Well-graded GRAVEL with silt and sand (50% gravel, 40% sand, 10% silt), fine and coarse gravel, coarse sand, large cobbles, brown, moist, no odor.	GW-GM		100		0.3	FMW-05-25.0		
		25.0-26.0': Sandy SILT (50% silt, 40% sand, 10% gravel), medium and coarse sand, fine and coarse gravel, brownish tan, wet, no odor.	ML							
		26.0-30.0': Well-graded GRAVEL with silt and sand (60% gravel, 20% sand, 10% silt), fine and coarse gravel, coarse sand, cobbles, brownish tan, wet, no odor.	GW-GM							
30										Water Level

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.5-35.5

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-516



Log of Boring: FMW-05

Page 3 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/10/19 @ 0840
Date/Time Completed: 07/10/19 @ 1000
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
Drive Hammer (lbs.): Auto
Depth of Water ATD (ft bgs): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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': Sandy SILT (50% silt, 40% sand, 10% gravel), medium and coarse sand, fine and coarse gravel, tan, wet, no odor.	ML		100		0.4	FMW-05-30.0		Screen
35		35.0-40.0': Well-graded GRAVEL with silt and sand (50% gravel, 40% sand, 10% silt), medium sand, fine and coarse gravel, large cobbles, brownish tan, wet, no odor. <6" lens of coarse sand at 37.0' bgs.	GW-GM		100		0.6	FMW-05-35.0		Sand Pack
40							0.5	FMW-05-40.0		Bentonite
45										

Well Construction Information

Monument Type: Stick-up
Casing Diameter (inches): 2.0
Screen Slot Size (inches): 0.010
Screened Interval (ft bgs): 15.5-35.5

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-516



Log of Boring: FMW-06

Page 1 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/10/19 @ 1147
Date/Time Completed: 07/10/19 @ 1400
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
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 and medium sand, fine and coarse gravel, brown, dry, no odor.	SP		100					Concrete
		3.0-5.0': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine and medium sand, fine and coarse gravel, black, moist, no odor.	SP-SM							
5		5.0-6.0': Poorly graded SAND with silt and gravel (70% sand, 20% gravel, 10% silt), fine and medium sand, fine and coarse gravel, trace cobbles, brown, dry, no odor.	SP-SM		100		0.6	FMW-06-5.0		
		6.0-8.6': Sandy SILT (50% silt, 40% sand, 10% gravel), fine and medium sand, fine and coarse gravel, large cobbles, black, slight petroleum-like odor.	ML							Bentonite
		8.6-9.5': Sandy SILT (60% silt, 40% sand), medium and coarse sand, gray, moist, no odor.	ML							
10		9.5-10.0': No recovery.								
		10.0-11.5': Poorly graded SAND (95% sand, 5% silt), medium sand, grayish blue, moist, no odor.	SP		90		0.5	FMW-06-10.0		
		11.5-12.5': Silty SAND (85% sand, 15% silt), medium sand, grayish blue, moist, no odor.	SM							
		12.5-14.0': Poorly graded SAND (95% sand, 5% silt), medium sand, gray, moist, no odor.	SP							
15		14.0-15.0': Well-graded GRAVEL with sand (50% gravel, 45% sand, 5% silt), fine and coarse gravel, medium and coarse sand, cobbles, gray, moist, no odor.	GW							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-517



Log of Boring: FMW-06

Page 2 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Date/Time Started: 07/10/19 @ 1147
Date/Time Completed: 07/10/19 @ 1400
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
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

Farallon PN: 525-032

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
		15.0-18.0': Silty GRAVEL with sand (60% gravel, 25% silt, 15% sand), fine and coarse gravel, medium and coarse sand, gray, moist, organic odor.	GM		60		0.4	FMW-06-15.0		
		18.0-20.0': No recovery.								
20		20.0-25.0': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, medium to coarse gravel, cobbles, gray, moist to wet, no odor.	GM		100		0.9	FMW-06-20.0		Screen
										Sand Pack
25		25.0-27.5': Silty GRAVEL with sand (60% gravel, 25% silt, 15% sand), fine and coarse gravel, medium and coarse sand, gray, wet, no odor.	GM		50		0.3	FMW-06-25.0		Water Level
		27.5-30.0': No recovery.								
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-517



Log of Boring: FMW-06

Page 3 of 3

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/10/19 @ 1147
Date/Time Completed: 07/10/19 @ 1400
Equipment: Terrasonic TSI-150
Drilling Company: AEC
Drilling Foreman: Jeff Johnson
Drilling Method: Sonic

Sampler Type: 4.75" Corebarrel
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		30.0-35.0': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, medium and coarse sand, cobbles, gray, wet, no odor.	GM		100		0.2	FMW-06-30.0		Screen
35.0		35.0-36.5': Silty GRAVEL with sand (60% gravel, 20% sand, 20% silt), fine and coarse gravel, medium and coarse sand, gray, wet, no odor.	GM		100		0.5	FMW-06-35.0		Sand Pack
36.5		36.5-40.0': Well-graded GRAVEL with silt and sand (60% gravel, 30% sand, 10% silt), fine and coarse gravel, coarse sand, cobbles, gray, wet, no odor.	GW-GM							Bentonite
40.0							0.8	FMW-06-40.0		
45.0										

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-517



Log of Boring: FMW-07

Page 1 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 0750
Date/Time Completed: 07/11/19 @ 0930
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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		0.0-1.5': Silty SAND with gravel (60% sand, 20% gravel, 20% silt), fine to medium sand, fine and coarse gravel, cobbles, brown, organic odor, moist.	SM		100					Concrete
		1.5-5.0': Silty SAND with gravel (70% sand, 15% gravel, 15% silt), fine and medium sand, fine and coarse gravel, cobbles black, moist, no odor.	SM							
5		5.0-10.0': Silty gravel with SAND (40% gravel, 35% sand, 15% silt), fine and coarse gravel, fine to coarse sand, large cobbles, grayish blue, moist, no odor. <6" lens of medium to coarse sand at 5.5' bgs.	GM		100		0.4	FMW-07-5.0		Bentonite
10		10.0-15.0': Silty SAND with gravel (40% sand, 35% gravel, 15% silt), fine to coarse sand, fine and coarse gravel, cobbles, grayish blue, moist, no odor. <2" lens of coarse wet sand at 16.5' bgs.	SM		100		0.4	FMW-07-8.0		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-518



Log of Boring: FMW-07

Page 2 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 0750
Date/Time Completed: 07/11/19 @ 0930
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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
		15.0-19.0': Silty GRAVEL with sand (35% gravel, 30% sand, 25% silt), fine and coarse gravel, medium to coarse sand, gray, moist to wet, slight petroleum-like odor.	GM		100		0.4	FMW-07-15.0		
		19.0-20.0': Silty SAND (60% sand, 40% silt), fine to medium sand, trace coarse gravel, brown, moist, no odor.	SM				0.4	FMW-07-17.0		
20		20.0-21.0': Silty GRAVEL with sand (35% gravel, 30% sand, 25% silt), fine and coarse gravel, medium to coarse sand, cobbles, gray, moist to wet, no odor.	GM		100		4.1	FMW-07-20.0		Screen
		21.0-25.0': Silty GRAVEL with sand (60% gravel, 20% silt, 20% sand), fine and coarse gravel, medium to coarse sand, brownish tan, moist to wet, no odor.	GM							Sand Pack
25		25.0-30': Silty GRAVEL with sand (60% gravel, 20% silt, 20% sand), fine and coarse gravel, medium to coarse sand, cobbles, brownish tan, wet, no odor.	GM		100		0.2	FMW-07-25.0		Water Level
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-518



Log of Boring: FMW-07

Page 3 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 0750
Date/Time Completed: 07/11/19 @ 0930
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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': Silty GRAVEL with sand (60% gravel, 25% silt, 15% sand), fine and coarse gravel, medium to coarse sand, cobbles, tan, wet, no odor.	GM		90		2.8	FMW-07-30.0		Screen
		34.0-35.0': No recovery.								
35		35.0-38.0': Silty GRAVEL with sand (60% gravel, 25% silt, 15% sand), fine and coarse sand, medium to coarse sand, trace cobbles, brownish tan, wet, no odor.	GM		100		1.6	FMW-07-35.0		Bentonite
		38.0-40.0': Silty SAND with gravel (40% sand, 35% gravel, 15% silt), coarse sand, fine and coarse gravel, trace cobbles, wet, no odor.	SM							
40							1.2	FMW-07-40.0		
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-518



Log of Boring: FMW-08

Page 1 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 1035
Date/Time Completed: 07/11/19 @ 1150
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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 with gravel (70% sand, 25% gravel, 5% silt), fine to medium sand, fine and coarse gravel, brown, moist, no odor. (Fill).	SP		50					Concrete
		2.5-5.0': No recovery.								
5		5.0-10.0': Poorly graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to medium sand, fine and coarse gravel, brown, moist, no odor. (Fill).	SP		100		1.5	FMW-08-5.0		Bentonite
10		10.0-11.0': Poorly graded SAND with gravel (70% sand, 25% gravel, 5% silt), fine to medium sand, fine and coarse gravel, brown, moist, no odor.	SP		100		1.5	FMW-08-8.0		
		11.0-15.0': Silty GRAVEL with sand (60% gravel, 25% sand, 15% silt), fine and coarse gravel, medium to coarse sand, cobbles, grayish brown, moist, no odor.	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-519



Log of Boring: FMW-08

Page 2 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 1035
Date/Time Completed: 07/11/19 @ 1150
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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 (60% gravel, 25% sand, 15% silt), fine and coarse gravel, medium to coarse sand, large cobbles, gray, moist to wet, no odor.	GM		100		0.8	FMW-08-15.0		
20		20.0-25.0': Silty GRAVEL with sand (40% gravel, 35% sand, 15% silt), fine and coarse gravel, medium to coarse sand, cobbles, gray, tan at 24.0' bgs, moist to wet, no odor.	GM		100		1.7	FMW-08-20.0	X	Screen
										Sand Pack
25		25.0-26.0': Silty GRAVEL with sand (40% gravel, 35% sand, 15% silt), fine and coarse gravel, medium to coarse sand, tan, wet, no odor.	GM		100		1.4	FMW-08-25.0		Water Level
		26.0-30.0': Silty GRAVEL with sand (50% gravel, 25% sand, 15% silt), fine and coarse gravel, medium to coarse sand, gray, wet, no odor.	GM							
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-519



Log of Boring: FMW-08

Page 3 of 3

Client: Lakeside Industries
Project: Former Cement Batch Plant
Location: Chehalis, WA

Farallon PN: 525-032

Logged By: C. Banfield

Date/Time Started: 07/11/19 @ 1035
Date/Time Completed: 07/11/19 @ 1150
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): 25.0
Total Boring Depth (ft bgs): 40.0
Total Well Depth (ft bgs): 35.5

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
		30.0-32.5': Silty GRAVEL with sand (40% gravel, 35% sand, 15% silt), fine and coarse gravel, medium to coarse sand, brown, wet, no odor.	GM		50		4.6	FMW-08-30.0		Screen
		32.5-35.0': No recovery.								
35		35.0-38.5': Silty SAND with gravel (40% sand, 30% silt, 30% gravel), fine to coarse sand, fine and coarse gravel, cobbles, brownish tan, wet.	SM		100		2.0	FMW-08-35.0		Bentonite
		38.5-40.0': Silty GRAVEL with sand (60% gravel, 20% silt, 20% sand), fine and coarse gravel, medium to coarse sand, brownish tan, wet, no odor.	GM				1.3	FMW-08-40.0		
40										
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-519



Log of Test Pit: FTP-21

Page 1 of 1

Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

Farallon PN: 525-032

Logged By: S. Brown

Reviewed By: S. Snyder

Date/Time Started: 6/20/18 1320 **Depth to Water (ft bgs):** NE
Date/Time Completed: 6/20/18 1350 **Excavation Depth (ft bgs):** 17.0
Excavation Company: Lakeside Industries **Ground Surface Elevation (ft):** NA
Excavation Method: Test Pitting **Backfill Material:** Native
Excavation Equipment: CAT 326F
Excavation Operator: Rich Moeung
Bucket Width (ft): NA

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0							
3.0 - 5.0'		Poorly graded SAND with silt (90% sand, 10% silt), coarse sand, gray, moist, moderate sweet odor, no sheen.	SP-SM		33.9	FTP-21-4.0	X
5.0 - 7.0'		Silty SAND (70% sand, 30% silt), fine and medium sand, black, moist, no odor, moderate sheen.	SM		8.4	FTP-21-6.0	X
9.0 - 11.0'		Poorly graded GRAVEL (90% gravel, 10% sand), cobbles, fine sand, gray, wet, no odor, no sheen.	GP				
11.0 - 17.0'		Poorly graded SAND with gravel (70% sand, 30% gravel), coarse sand, coarse gravel, gray, wet, no odor, slight sheen.	SP		5.1		
17.0 - 17.0'					0.8	FTP-21-17.0	X

Notes:



Client: Lakeside Industries
Project: Former Concrete Batch Plant
Location: Centralia, WA

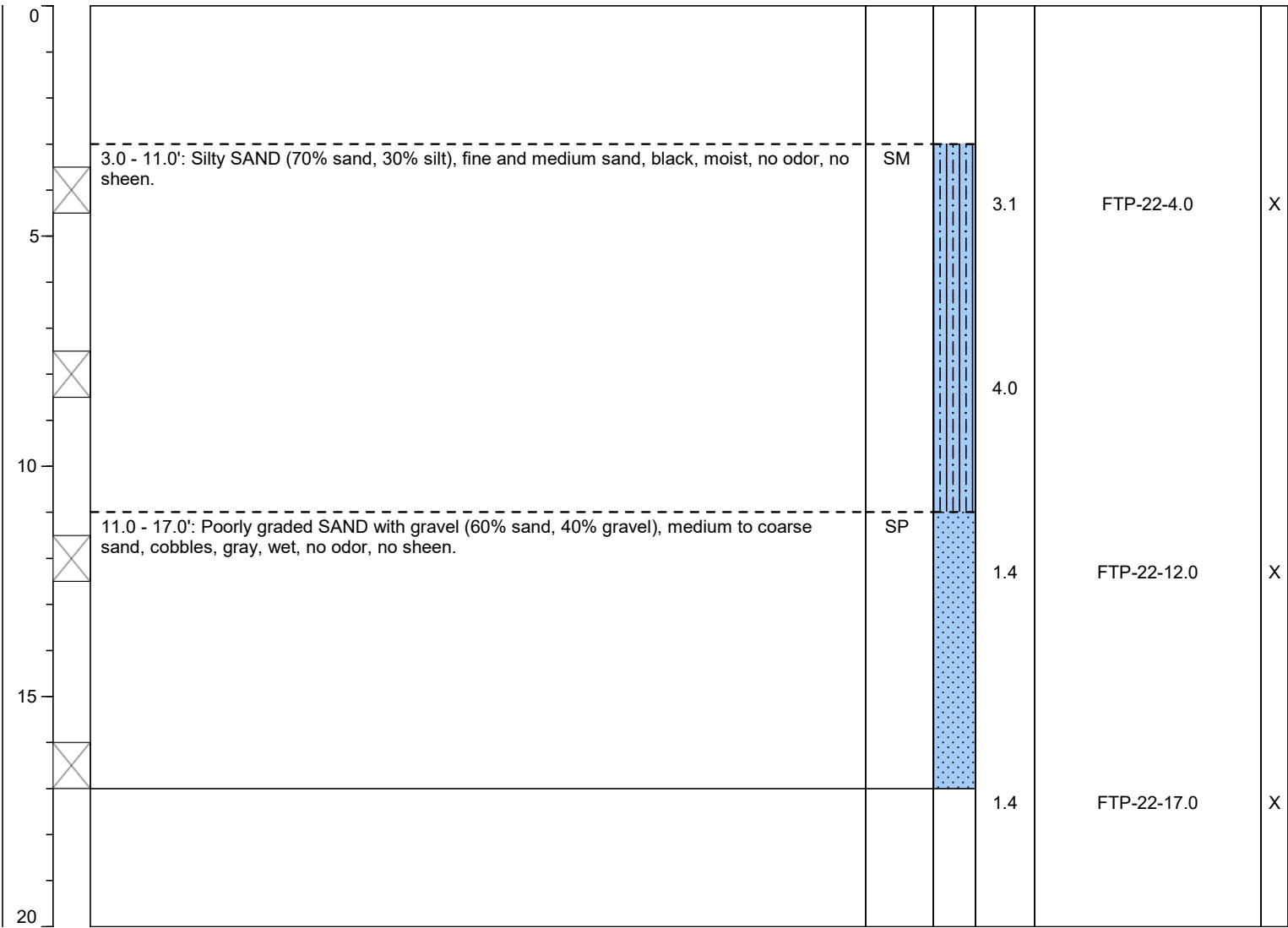
Date/Time Started:	6/20/18 1355	Depth to Water (ft bgs):	NE
Date/Time Completed:	6/20/18 1430	Excavation Depth (ft bgs):	17.0
Excavation Company:	Lakeside Industries	Ground Surface Elevation (ft):	NA
Excavation Method:	Test Pitting	Backfill Material:	Native
Excavation Equipment:	CAT 326F		
Excavation Operator:	Rich Moeung		
Bucket Width (ft):	NA		

Farallon PN: 525-032

Logged By: S. Brown

Reviewed By: S. Snyder

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed



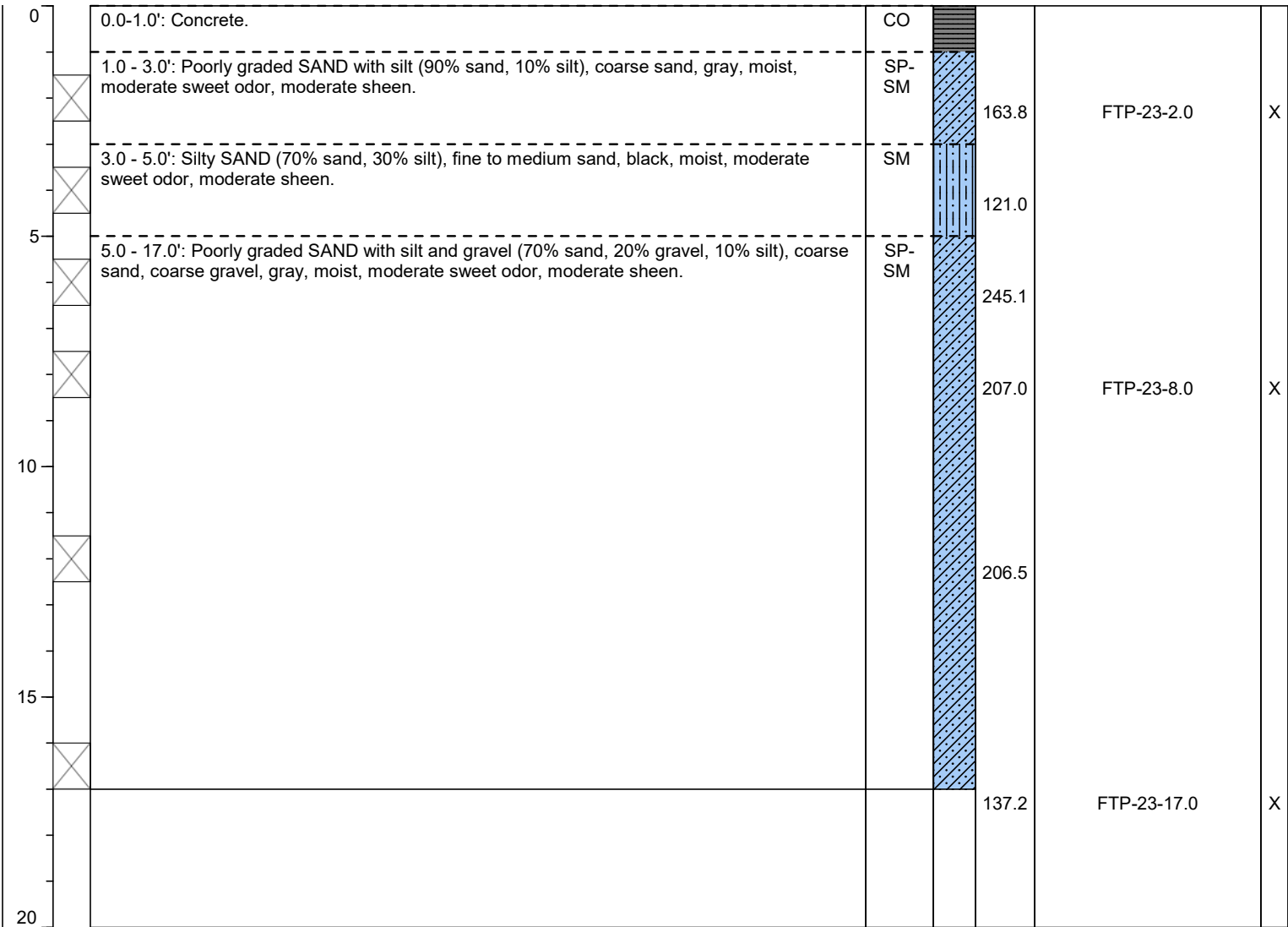
Notes:



Log of Test Pit: FTP-23

Client: Lakeside Industries	Date/Time Started: 6/20/18 1435	Depth to Water (ft bgs): NE
Project: Former Concrete Batch Plant	Date/Time Completed: 6/20/18 1510	Excavation Depth (ft bgs): 17.0
Location: Centralia, WA	Excavation Company: Lakeside Industries	Ground Surface Elevation (ft): NA
Farallon PN: 525-032	Excavation Method: Test Pitting	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: CAT 326F	
Reviewed By: S. Snyder	Excavation Operator: Rich Moeung	
	Bucket Width (ft): NA	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
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Notes:



Log of Test Pit: FTP-25

Page 1 of 1

Client: Lakeside Industries	Date/Time Started: 4/15/19 1000	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1050	Excavation Depth (ft bgs): 18.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 6.0': Sandy SILT (70% silt, 30% sand), coarse sand, black, moist, no odor.	SM				
5					0.3	FTP-25-4.0	X
		6.0 - 10.0': Poorly graded GRAVEL with sand (60% gravel, 40% sand), coarse sand, coarse gravel, gray, wet, no odor, no sheen.	GP				
					0.4	FTP-25-8.0	X
10		10.0 - 16.0': Poorly graded GRAVEL with sand (60% gravel, 40% sand), coarse sand, coarse gravel, cobbles, gray, wet, no odor, no sheen.	GP				
					0.3		
15							
		16.0 - 18.0': Poorly graded SAND with gravel (60% sand, 40% gravel), coarse sand, coarse gravel, cobbles, brown, wet, no odor, no sheen.	SP				
					0.3	FTP-25-17.0	X
20							

Notes:



Log of Test Pit: FTP-26

Client: Lakeside Industries	Date/Time Started: 4/15/19 1050	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1105	Excavation Depth (ft bgs): 18.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
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0	0.0 - 1.5': Concrete.	CO				
5	1.5 - 6.0': Sandy SILT (70% silt, 30% sand), coarse sand, black, moist, no odor, no sheen.	SM		0.2		
10	6.0 - 18.0': Poorly graded GRAVEL with sand (90% gravel, 10% sand), coarse sand, coarse gravel, gray, wet, no odor, no sheen. Cobbles present.	GP		0.5	FTP-26-8.0	X
15				0.5	FTP-26-12.0	X
20				0.9	FTP-26-17.0	X

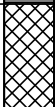
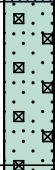
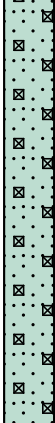
Notes:



Log of Test Pit: FTP-27

Client: Lakeside Industries	Date/Time Started: 4/15/19 1110	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1135	Excavation Depth (ft bgs): 17.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
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0		0.0 - 2.0': Concrete and debris.	CO				
		2.0 - 4.0': Pea gravel.	FILL				
5		4.0 - 7.0': Sandy SILT (70% silt, 30% sand), coarse sand, black, moist, moderate petroleum-like odor, moderate sheen.	SM		44.5	FTP-27-4.0	X
		7.0 - 10.0': Poorly graded GRAVEL with sand (60% gravel, 40% sand), coarse sand, coarse gravel, wet, gray, no odor, no sheen.	GP		5.2	FTP-27-8.0	X
10		10.0 - 18.0': Poorly graded GRAVEL with sand (90% gravel, 10% sand), coarse sand, cobbles, gray, wet, no odor, no sheen. Trace clay present.	GP		4.2		
15					3.9	FTP-27-17.0	X
20							

Notes:



Log of Test Pit: FTP-28

Client: Lakeside Industries	Date/Time Started: 4/15/19 1140	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1200	Excavation Depth (ft bgs): 17.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 5.0': Silty SAND (60% sand, 30% silt, 10% gravel), medium to coarse sand, coarse gravel, black, moist, no odor, no sheen.	SM				
5		5.0 - 9.0': Poorly graded GRAVEL with sand (60% gravel, 40% sand), medium to coarse sand, coarse gravel, cobbles, gray, wet, no odor, no sheen.	GP		2.9	FTP-28-4.0	X
					2.5	FTP-28-8.0	X
10		9.0 - 17.0': Poorly graded GRAVEL with sand (90% gravel, 10% sand), coarse gravel, coarse sand, cobbles, gray, no odor, no sheen.	GP		1.7		
15					1.6	FTP-28-17.0	X
20							

Notes:



Log of Test Pit: FTP-29

Client: Lakeside Industries	Date/Time Started: 4/15/19 1205	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1230	Excavation Depth (ft bgs): 18.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 17.0': Sandy SILT (70% silt, 30% sand), coarse sand, black, moist, no odor, no sheen. Concrete and brick debris present at 5.0ft bgs.	SM				
5					1.7		
10					1.7	FTP-29-8.0	X
15					1.6	FTP-29-12.0	X
17.0		17.0 - 18.0': Clay (100% clay), moist, gray/ green, no odor, no sheen.	CL		1.5	FTP-29-17.0	X
20							

Notes:



Log of Test Pit: FTP-30

Page 1 of 1

Client: Lakeside Industries	Date/Time Started: 4/15/19 1235	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1300	Excavation Depth (ft bgs): 24.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
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0		0.0 - 12.0': Silty SAND (60% sand, 30% silt, 10% gravel), medium to coarse sand, coarse gravel, black, moist, no odor, no sheen. Wood and asphalt debris present.	SM				
5					1.7		
10					1.8		
15		12.0 - 24.0': Silty SAND (60% sand, 30% silt, 10% gravel), medium to coarse sand, coarse gravel, black, moist, moderate petroleum-like odor, moderate sheen.	SM		2.1	FTP-30-12.0	X
20					83.6	FTP-30-17.0	X
25					5.0	FTP-30-24.0	X

Notes:



Log of Test Pit: FTP-31

Page 1 of 1

Client: Lakeside Industries	Date/Time Started: 4/15/19 1305	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1315	Excavation Depth (ft bgs): 17.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 3.0': Silty SAND (60% sand, 30% silt, 10% gravel), medium to coarse sand, coarse gravel, black, moist, no odor, no sheen. Wood debris present.	SM				
3.0		3.0 - 4.0': Poorly graded GRAVEL with sand (80% gravel, 20% sand), coarse sand, fine gravel, gray, no odor, no sheen. Wood debris present.	GP				
4.0		4.0 - 14.0': Well graded SAND with gravel (70% sand, 30% gravel), medium to coarse sand, fine gravel, brown, moist, no odor, no sheen.	SW		2.3	FTP-31-4.0	X
10					1.0		
15		14.0 - 17.0': Well graded SAND with gravel (90% sand, 10% gravel), medium to coarse sand, fine gravel, gray, no odor, no sheen.	SW		1.9	FTP-31-12.0	X
20					0.7	FTP-31-17.0	X

Notes:



Log of Test Pit: FTP-32

Client: Lakeside Industries	Date/Time Started: 4/15/19 1320	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1335	Excavation Depth (ft bgs): 19.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
----------------	-----------------	------------------------	------	--------------	------------	-----------	-----------------

0	0.0 - 10.0': Well graded SAND (90% sand, 10% gravel), medium to coarse sand, fine gravel, black, moist, no odor.	SW					
5					1.4	FTP-32-4.0	X
					1.3	FTP-32-8.0	X
10	10.0 - 16.0': Well graded SAND with gravel (60% sand, 40% gravel), medium to coarse sand, coarse gravel, cobbles, gray, no odor, no sheen.	SW			1.5		
15							
	16.0 - 19.0': Well graded SAND with gravel (60% sand, 40% gravel), medium to coarse sand, coarse gravel, cobbles, gray, no odor, no sheen.	SW			1.4	FTP-32-17.0	X
20							

Notes:



Log of Test Pit: FTP-33

Client: Lakeside Industries	Date/Time Started: 4/15/19 1340	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 4/15/19 1400	Excavation Depth (ft bgs): 20.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: S. Brown	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: John Wakefield	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 2.0': Well graded SAND with gravel (60% sand, 40% gravel), medium to coarse sand, coarse gravel, cobbles, brown, moist, no odor, no staining.	SW				
		2.0 - 20.0': Silty SAND (60% sand, 30% silt, 10% gravel), medium to coarse sand, coarse gravel, black, moist, no odor, no staining.	SM				
					1.2	FTP-33-4.0	X
					1.4		
					1.5	FTP-33-12.0	X
					1.3	FTP-33-17.0	X

Notes:



Log of Test Pit: FTP-34

Client: Lakeside Industries	Date/Time Started: 6/1/22 0955	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 6/1/22 1040	Excavation Depth (ft bgs): 12.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: M. Gehring	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: Jake	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
----------------	-----------------	------------------------	------	--------------	------------	-----------	-----------------

0	0.0 - 2.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine to medium sand, fine and coarse gravel, gray-brown, moist, no odor.	SM					
	2.0 - 5.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine to medium sand, fine and coarse gravel, dark gray/ black, moist, petroleum-like odor.	SM			4.7	FTP-34-3.0	X
5	5.0 - 6.0': Silty SAND with gravel (65% sand, 20% gravel, 15% silt), fine to medium sand, fine and coarse gravel, moist, dark gray/ black, petroleum-like odor. Cobbles present.	SM					
	6.0 - 10.0': Well graded SAND with gravel (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, moist, gray, no odor. Cobbles present.	SW			0.5	FTP-34-6.0	
10	10.0 - 12.0': Well graded SAND with gravel (55% sand, 35% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, gray with orange mottling at 10.0', moist, petroleum-like odor. Cobbles present.	SW					
					5.9	FTP-34-12.0	X
15							
20							

Notes:



Log of Test Pit: FTP-35

Client: Lakeside Industries	Date/Time Started: 6/1/22 0905	Depth to Water (ft bgs): N/E
Project: Former Concrete Batch Plant	Date/Time Completed: 6/1/22 0950	Excavation Depth (ft bgs): 12.0
Location: Centralia, Washington	Excavation Company: Lakeside	Ground Surface Elevation (ft): N/A
Farallon PN: 525-032	Excavation Method: Track Hoe	Backfill Material: Native
Logged By: M. Gehring	Excavation Equipment: 470LC	
Reviewed By: S. Snyder	Excavation Operator: Jake	
	Bucket Width (ft): N/A	

Depth (ft bgs)	Sample Interval	Lithologic Description	USCS	USGS Graphic	PID (ppmv)	Sample ID	Sample Analyzed
0		0.0 - 2.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine to medium sand, fine and coarse gravel, gray-brown, moist, no odor.	SM				
		2.0 - 5.0': Silty SAND (75% sand, 15% silt, 10% gravel), fine to medium sand, fine and coarse gravel, dark gray/ black, moist, petroleum-like odor.	SM		0.2	FTP-35-3.0	
5		5.0 - 7.0': Silty SAND with gravel (65% sand, 20% gravel, 15% silt), fine to medium sand, fine and coarse gravel, moist, dark gray/ black, petroleum-like odor. Cobbles present.	SM				
		7.0 - 10.0': Well graded SAND with gravel (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, moist, gray, no odor. Cobbles present.	SW		0.0	FTP-35-7.0	
10		10.0 - 11.0': Well graded SAND with gravel (70% sand, 20% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, gray, moist, no odor. Cobbles present.	SW				
		11.0 - 12.0': Well graded SAND with gravel (55% sand, 35% gravel, 10% silt), fine to coarse sand, fine and coarse gravel, gray with orange mottling, moist, no odor.	SW				
					0.0	FTP-35-12.0	
15							
20							

Notes:

APPENDIX B
LABORATORY ANALYTICAL REPORTS

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

Farallon PN: 525-032



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	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	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	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	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	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	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	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
Fluorobenzene	79	57-129				



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**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		



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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				



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**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	7	NA	
Lube Oil Range	ND	ND	NA	NA	NA	NA	NA	
Surrogate:								
o-Terphenyl				104	90	50-150		



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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	



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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	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	118	68-139				
Toluene-d8	114	79-128				
4-Bromofluorobenzene	111	71-132				



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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	



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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	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	123	68-139				
Toluene-d8	105	79-128				
4-Bromofluorobenzene	101	71-132				



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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	



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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				



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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	



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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	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	114	68-139				
Toluene-d8	101	79-128				
4-Bromofluorobenzene	96	71-132				



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 Laboratory Reference: 1806-214
 Project: 525-032

VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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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	



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VOLATILES by EPA 8260C
METHOD BLANK QUALITY CONTROL
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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	
Surrogate:	Percent Recovery	Control Limits				
Dibromofluoromethane	110	68-139				
Toluene-d8	108	79-128				
4-Bromofluorobenzene	102	71-132				



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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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.

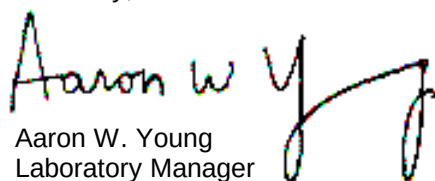
The analytical procedures used at AmTest are well documented and are typically derived from the protocols of the EPA, USDA, FDA or the Army Corps of Engineers.

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

Conventional

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

Conventional

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

[illegible]



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)																																			
☐ Same Day ☐ 1 Day																																			
☐ 2 Days ☐ 3 Days																																			
☒ Standard (7 Days) (TPH analysis 5 Days)																																			
☐ _____ (other)																																			
Project Manager: <i>P. Kingston</i>																																			
Sampled by: <i>SMR</i>																																			
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 (☐ 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				<i>[Signature]</i>				Farallon				6/20/18				1330				Hold all samples, put with contact <i>selected analysis</i> X - Added 6/22/18. DB (STA)															
Relinquished				<i>[Signature]</i>				CDE				6/21/18				1330				(X) Added 6/25/18. DB (STA) Added 7/3/18. DB															
Received																				Data Package: Standard ☐ Level III ☐ Level IV ☐															
Relinquished																				Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐															
Received																																			
Reviewed/Date																																			



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

April 30, 2019

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

Re: Analytical Data for Project 525-032
Laboratory Reference No. 1904-170

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 30, 2019
Samples Submitted: April 16, 2019
Laboratory Reference: 1904-170
Project: 525-032

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 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

**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-33-4					
Laboratory ID:	04-170-01					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	78	53	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	93	50-150				

Client ID:	FTP-33-12					
Laboratory ID:	04-170-02					
Diesel Range Organics	ND	31	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	120	62	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	84	50-150				

Client ID:	FTP-33-17					
Laboratory ID:	04-170-03					
Diesel Range Organics	ND	32	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	140	65	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	88	50-150				

Client ID:	FTP-32-4					
Laboratory ID:	04-170-04					
Diesel Range Organics	ND	26	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	52	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	101	50-150				

Client ID:	FTP-32-8					
Laboratory ID:	04-170-05					
Diesel Range Organics	ND	27	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	77	50-150				

Client ID:	FTP-32-17					
Laboratory ID:	04-170-06					
Diesel Range Organics	ND	29	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	94	50-150				



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

**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-31-4					
Laboratory ID:	04-170-07					
Diesel Range Organics	170	28	NWTPH-Dx	4-23-19	4-26-19	N
Lube Oil	1100	55	NWTPH-Dx	4-23-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	83	50-150				
Client ID:	FTP-31-12					
Laboratory ID:	04-170-08					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-19	4-26-19	
Lube Oil	120	56	NWTPH-Dx	4-23-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	73	50-150				
Client ID:	FTP-31-17					
Laboratory ID:	04-170-09					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-19	4-26-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	93	50-150				
Client ID:	FTP-30-12					
Laboratory ID:	04-170-10					
Diesel Range Organics	180	140	NWTPH-Dx	4-23-19	4-29-19	N
Lube Oil	1900	290	NWTPH-Dx	4-23-19	4-29-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	88	50-150				
Client ID:	FTP-30-17					
Laboratory ID:	04-170-11					
Diesel Range Organics	14000	1400	NWTPH-Dx	4-23-19	4-29-19	N
Lube Oil	23000	2800	NWTPH-Dx	4-23-19	4-29-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	---	50-150				S
Client ID:	FTP-30-24					
Laboratory ID:	04-170-12					
Diesel Range Organics	ND	34	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil	130	68	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	73	50-150				



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

**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-29-8					
Laboratory ID:	04-170-13					
Diesel Range Organics	ND	30	NWTPH-Dx	4-23-19	4-28-19	
Lube Oil	200	60	NWTPH-Dx	4-23-19	4-28-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	78	50-150				

Client ID:	FTP-29-12					
Laboratory ID:	04-170-14					
Diesel Range Organics	42	29	NWTPH-Dx	4-23-19	4-28-19	N
Lube Oil	220	57	NWTPH-Dx	4-23-19	4-28-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	104	50-150				

Client ID:	FTP-29-17					
Laboratory ID:	04-170-15					
Diesel Range Organics	ND	43	NWTPH-Dx	4-23-19	4-28-19	
Lube Oil	110	85	NWTPH-Dx	4-23-19	4-28-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	74	50-150				

Client ID:	FTP-28-4					
Laboratory ID:	04-170-16					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	84	50-150				

Client ID:	FTP-28-8					
Laboratory ID:	04-170-17					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	92	50-150				

Client ID:	FTP-28-17					
Laboratory ID:	04-170-18					
Diesel Range Organics	ND	29	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	93	50-150				



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

**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-27-4					
Laboratory ID:	04-170-19					
Diesel Fuel #2	2200	28	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	160	56	NWTPH-Dx	4-23-19	4-23-19	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				

Client ID:	FTP-27-8					
Laboratory ID:	04-170-20					
Diesel Range Organics	ND	28	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	87	50-150				

Client ID:	FTP-27-17					
Laboratory ID:	04-170-21					
Diesel Range Organics	ND	30	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	79	50-150				

Client ID:	FTP-26-8					
Laboratory ID:	04-170-22					
Diesel Range Organics	ND	28	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	89	50-150				

Client ID:	FTP-26-12					
Laboratory ID:	04-170-23					
Diesel Range Organics	ND	28	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				

Client ID:	FTP-26-17					
Laboratory ID:	04-170-24					
Diesel Range Organics	ND	28	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	78	50-150				



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

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-25-4					
Laboratory ID:	04-170-25					
Diesel Range Organics	ND	31	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	61	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	81	50-150				
Client ID:	FTP-25-8					
Laboratory ID:	04-170-26					
Diesel Range Organics	ND	29	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	86	50-150				
Client ID:	FTP-25-17					
Laboratory ID:	04-170-27					
Diesel Range Organics	ND	28	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	82	50-150				



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

**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:	MB0423S2					
Diesel Range Organics	ND	25	NWTPH-Dx	4-23-19	4-23-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-23-19	4-23-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	103	50-150				

Laboratory ID:	MB0424S3					
Diesel Range Organics	ND	25	NWTPH-Dx	4-24-19	4-26-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	4-24-19	4-26-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	122	50-150				

Analyte	Result	Spike Level	Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE								
Laboratory ID:	04-170-16							
	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				84	70	50-150		

Laboratory ID:	04-170-17							
	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				92	70	50-150		

Laboratory ID:	04-169-11							
	ORIG	DUP						
Diesel Range	ND	ND	NA	NA	NA	NA	NA	NA
Lube Oil	216	145	NA	NA	NA	NA	39	NA
Surrogate:								
o-Terphenyl				83	81	50-150		



Date of Report: April 30, 2019
 Samples Submitted: April 16, 2019
 Laboratory Reference: 1904-170
 Project: 525-032

% MOISTURE

Date Analyzed: 4-23&24-19

Client ID	Lab ID	% Moisture
FTP-33-4	04-170-01	6
FTP-33-12	04-170-02	19
FTP-33-17	04-170-03	22
FTP-32-4	04-170-04	5
FTP-32-8	04-170-05	8
FTP-32-17	04-170-06	14
FTP-31-4	04-170-07	10
FTP-31-12	04-170-08	10
FTP-31-17	04-170-09	11
FTP-30-12	04-170-10	12
FTP-30-17	04-170-11	10
FTP-30-24	04-170-12	26
FTP-29-8	04-170-13	17
FTP-29-12	04-170-14	12
FTP-29-17	04-170-15	41
FTP-28-4	04-170-16	11
FTP-28-8	04-170-17	12
FTP-28-17	04-170-18	15
FTP-27-4	04-170-19	11
FTP-27-8	04-170-20	10
FTP-27-17	04-170-21	15
FTP-26-8	04-170-22	9
FTP-26-12	04-170-23	9
FTP-26-17	04-170-24	11
FTP-25-4	04-170-25	18
FTP-25-8	04-170-26	14
FTP-25-17	04-170-27	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.onsite-env.com

Page 1 of 1

04-170

CIVIL ENVIRONMENTAL INC.

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

Laboratory Number:

04-170

Turnaround Request
(in working days)

(Check One)

☐ Same Day ☐ 1 Day

☐ 2 Days ☐ 3 Days

☒ Standard (7 Days)

Project Manager:

P. Kingsten

Sampled by:

SURP

☐ _____
(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	

1	FTP-33-21	4/15/19	1340	501	301	2
2	FTP-33-12		1345		302	2
3	FTP-33-12		1350		302	2
4	FTP-33-4		1320		302	2
5	FTP-32-8		1325		302	2
6	FTP-32-17		1330		302	2
7	FTP-31-4		1313		302	2
8	FTP-31-12		1315		302	2
9	FTP-31-17		1312		302	2

Signature

Company

Date

Time

Comments/Special Instructions

[Signature]

Fuelley

4/16/19

0805

PA will contact w/relater
wastage
Added 4/19/19. JB (ST4)

[Signature]

Creative En

4/16/19

8005

[Signature]

[Signature]

[Signature]

[Signature]

Reviewed/Date

Reviewed/Date

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

Data Package: Standard ☐ Level III ☐ Level IV ☐



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: Foraker
Project Number: 525-0322
Project Name:
Project Manager: A. Kingston
Sampled by: Sam

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

Laboratory Number: 04-170

Lab ID	Sample Identification
10	FTP-30-12
11	FTP-30-17
12	FTP-30-24
13	FTP-29-8
14	FTP-29-12
15	FTP-29-17
16	FTP-28-4
17	FTP-28-8
18	FTP-28-17

Date Sampled	Time Sampled	Matrix
4/15/19	1850	Soil
	1355	
	1300	
	1210	
	1215	
	1220	
	1145	
	1148	
	1155	

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	

Signature	Company	Date	Time	Comments/Special Instructions
<u>[Signature]</u>	<u>Foraker</u>	<u>4/16/19</u>	<u>0805</u>	<u>PA will contact w/ schedule analysis on</u>

Relinquished		
Received		
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.on-site-env.com

Chain of Custody

Page 2 of 2

Company: Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.on-site-env.com						Turnaround Request (in working days)						
Project Number: 525-032						(Check One) ☐ Same Day ☐ 1 Day ☐ 2 Days ☐ 3 Days ☒ Standard (7 Days)						
Project Name:												
Project Manager: P. Kingston												
Sampled by: SUR						☐ _____ (other)						
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers							
19	FIP-22-4	4/5/14	1100	Soil	6							
20	FIP-22-8		1120		2							
21	FIP-27-17		1135		2							
22	FIP-26-8		1055		2							
23	FIP-26-12		1100		2							
24	FIP-26-17		1105		2							
25	FIP-25-4		1010		2							
26	FIP-25-8		1012		2							
27	FIP-25-17		1018		2							
Laboratory Number: 04-170												
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												
TCPL Metals												
HEM (oil and grease) 1664A												
HOLD DE												
% Moisture												
Data Package: Standard ☐ Level III ☐ Level IV ☐												
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐												



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 525-032
Laboratory Reference No. 1905-224

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: 1905-224
Project: 525-032

Case Narrative

Samples were collected on May 15, 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: 1905-224
 Project: 525-032

**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:	D2-01-8.0					
Laboratory ID:	05-224-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	83	50-150				

Client ID:	E2-01-12.0					
Laboratory ID:	05-224-02					
Diesel Fuel #2	4700	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	180	NWTPH-Dx	5-17-19	5-17-19	U1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	98	50-150				

Client ID:	D2-02-13.0					
Laboratory ID:	05-224-03					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	110	50-150				

Client ID:	D2-03-17.0					
Laboratory ID:	05-224-04					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	93	50-150				

Client ID:	D2-04-4.0					
Laboratory ID:	05-224-05					
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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	50-150				

Client ID:	F3-01-2.0					
Laboratory ID:	05-224-06					
Diesel Fuel #2	510	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil	190	55	NWTPH-Dx	5-17-19	5-17-19	N1
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	81	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 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-224
 Project: 525-032

**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:	F3-02-6.0					
Laboratory ID:	05-224-07					
Diesel Range Organics	45	28	NWTPH-Dx	5-17-19	5-17-19	N
Lube Oil	120	55	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	90	50-150				

Client ID:	F3-03-12.0					
Laboratory ID:	05-224-08					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	97	50-150				

Client ID:	F3-04-17.0					
Laboratory ID:	05-224-09					
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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	67	50-150				

Client ID:	E4-01-4.0					
Laboratory ID:	05-224-10					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	86	57	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	85	50-150				

Client ID:	E4-02-8.0					
Laboratory ID:	05-224-11					
Diesel Range Organics	ND	27	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	64	50-150				

Client ID:	E4-03-12.0					
Laboratory ID:	05-224-12					
Diesel Range Organics	ND	27	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	73	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 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-224
 Project: 525-032

**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:	D4-01-3.0					
Laboratory ID:	05-224-13					
Diesel Range Organics	62	27	NWTPH-Dx	5-17-19	5-17-19	N
Lube Oil	200	54	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	93	50-150				

Client ID:	D4-02-9.0					
Laboratory ID:	05-224-14					
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	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				

Client ID:	D3-01-3.0					
Laboratory ID:	05-224-15					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	150	59	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	72	50-150				

Client ID:	D3-02-8.0					
Laboratory ID:	05-224-16					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-17-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-19	5-17-19	
Surrogate:	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>o-Terphenyl</i>	85	50-150				



Date of Report: May 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-224
 Project: 525-032

**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				
<i>o</i> -Terphenyl	94	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	Limit	Flags
DUPLICATE										
Laboratory ID:	05-202-02									
	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						107	86	50-150		
Laboratory ID: 05-202-03										
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil	163	67.4	NA	NA		NA	NA	83	NA	
Surrogate:										
o-Terphenyl						89	78	50-150		



Date of Report: May 20, 2019
 Samples Submitted: May 15, 2019
 Laboratory Reference: 1905-224
 Project: 525-032

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
D2-01-8.0	05-224-01	15	5-17-19
E2-01-12.0	05-224-02	12	5-17-19
D2-02-13.0	05-224-03	13	5-17-19
D2-03-17.0	05-224-04	15	5-17-19
D2-04-4.0	05-224-05	12	5-17-19
F3-01-2.0	05-224-06	9	5-17-19
F3-02-6.0	05-224-07	9	5-17-19
F3-03-12.0	05-224-08	11	5-17-19
F3-04-17.0	05-224-09	12	5-17-19
E4-01-4.0	05-224-10	12	5-17-19
E4-02-8.0	05-224-11	8	5-17-19
E4-03-12.0	05-224-12	7	5-17-19
D4-01-3.0	05-224-13	8	5-17-19
D4-02-9.0	05-224-14	13	5-17-19
D3-01-3.0	05-224-15	15	5-17-19
D3-02-8.0	05-224-16	9	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





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Chain of Custody

Company: <u>Foxallion</u>		Turnaround Request (in working days) (Check One) ☐ Same Day ☒ 1 Day ☐ 2 Days ☐ 3 Days ☐ Standard (7 Days)		Laboratory Number: 05-224															
Project Number: <u>525-032</u>		☐ (other) _____																	
Project Name: <u>525-032</u>																			
Project Manager: <u>Pete Kingston</u>																			
Sampled by: <u>Y. Pelhivan</u>																			
Lab ID		Date Sampled		Time Sampled		Matrix		Number of Containers											
1		5/15/19		0800		S		1											
2				0825															
3				0945															
4				0955															
5				1000															
6				1035															
7				1040															
8				1045															
9				1215															
10				1305															
Signature		Company		Date		Time		Comments/Special Instructions											
<u>[Signature]</u>		<u>Foxallion</u>		<u>5/15/19</u>		<u>1445</u>		<u>Hold all samples. PM will contact for analysis</u>											
Relinquished																			
Received																			
Relinquished																			
Received																			
Relinquished																			
Received																			
Relinquished																			
Received																			
Relinquished																			
Reviewed/Date		Reviewed/Date		Reviewed/Date		Reviewed/Date		Reviewed/Date											

Data Package: Standard ☐ Level III ☐ Level IV ☐
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐



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Chain of Custody

Page 2 of 2

[illegible]



**OnSite
Environmental Inc.**

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May 21, 2019

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

Re: Analytical Data for Project 525-032
Laboratory Reference No. 1905-233

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on May 17, 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: May 21, 2019
Samples Submitted: May 17, 2019
Laboratory Reference: 1905-233
Project: 525-032

Case Narrative

Samples were collected on May 16, 2019 and received by the laboratory on May 17, 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 21, 2019
 Samples Submitted: May 17, 2019
 Laboratory Reference: 1905-233
 Project: 525-032

**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:	E2-02-17.0					
Laboratory ID:	05-233-01					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	58	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	91	50-150				
Client ID:	D2-05-3.0					
Laboratory ID:	05-233-02					
Diesel Fuel #2	150	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	140	57	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	98	50-150				
Client ID:	D2-06-10.0					
Laboratory ID:	05-233-03					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				
Client ID:	E2-03-3.0					
Laboratory ID:	05-233-04					
Diesel Fuel #2	2100	31	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	190	61	NWTPH-Dx	5-17-19	5-20-19	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	66	50-150				
Client ID:	E2-04-10.0					
Laboratory ID:	05-233-05					
Diesel Fuel #2	240	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	84	50-150				
Client ID:	D1-01-3.0					
Laboratory ID:	05-233-06					
Diesel Fuel #2	4200	30	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	190	60	NWTPH-Dx	5-17-19	5-20-19	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	85	50-150				



Date of Report: May 21, 2019
 Samples Submitted: May 17, 2019
 Laboratory Reference: 1905-233
 Project: 525-032

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:	D1-02-6.0					
Laboratory ID:	05-233-07					
Diesel Fuel #2	76	28	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	67	50-150				

Client ID:	E3-01-17.0					
Laboratory ID:	05-233-08					
Diesel Fuel #2	210	27	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	68	50-150				

Client ID:	F2-01-3.0					
Laboratory ID:	05-233-09					
Diesel Fuel #2	2000	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	120	57	NWTPH-Dx	5-17-19	5-20-19	N1
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	65	50-150				

Client ID:	F2-02-8.0					
Laboratory ID:	05-233-10					
Diesel Range Organics	ND	27	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	54	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	67	50-150				

Client ID:	F2-03-12.0					
Laboratory ID:	05-233-11					
Diesel Fuel #2	2300	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	82	50-150				

Client ID:	F3-05-3.0					
Laboratory ID:	05-233-12					
Diesel Range Organics	ND	31	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	120	62	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	84	50-150				



Date of Report: May 21, 2019
 Samples Submitted: May 17, 2019
 Laboratory Reference: 1905-233
 Project: 525-032

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:	F3-06-9.0					
Laboratory ID:	05-233-13					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	59	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	102	50-150				
Client ID:	F3-07-14.0					
Laboratory ID:	05-233-14					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	76	50-150				
Client ID:	F3-08-15.0					
Laboratory ID:	05-233-15					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	72	50-150				
Client ID:	D1-03-12.0					
Laboratory ID:	05-233-16					
Diesel Range Organics	ND	28	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	56	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	67	50-150				
Client ID:	D1-04-3.0					
Laboratory ID:	05-233-17					
Diesel Range Organics	ND	29	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	100	57	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
o-Terphenyl	87	50-150				



Date of Report: May 21, 2019
 Samples Submitted: May 17, 2019
 Laboratory Reference: 1905-233
 Project: 525-032

**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:	MB0517S5					
Diesel Range Organics	ND	25	NWTPH-Dx	5-17-19	5-20-19	
Lube Oil Range Organics	ND	50	NWTPH-Dx	5-17-19	5-20-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	91	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	05-233-02									
	ORIG	DUP								
Diesel Fuel #2	129	125	NA	NA		NA	NA	3	NA	
Lube Oil Range Organics	124	113	NA	NA		NA	NA	9	NA	
Surrogate:										
o-Terphenyl						98	96	50-150		
Laboratory ID:	05-233-17									
	ORIG	DUP								
Diesel Range	ND	ND	NA	NA		NA	NA	NA	NA	
Lube Oil Range Organics	89.3	63.1	NA	NA		NA	NA	34	NA	
Surrogate:										
o-Terphenyl						87	81	50-150		



Date of Report: May 21, 2019
 Samples Submitted: May 17, 2019
 Laboratory Reference: 1905-233
 Project: 525-032

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
E2-02-17.0	05-233-01	14	5-17-19
D2-05-3.0	05-233-02	12	5-17-19
D2-06-10.0	05-233-03	9	5-17-19
E2-03-3.0	05-233-04	18	5-17-19
E2-04-10.0	05-233-05	15	5-17-19
D1-01-3.0	05-233-06	16	5-17-19
D1-02-6.0	05-233-07	10	5-17-19
E3-01-17.0	05-233-08	9	5-17-19
F2-01-3.0	05-233-09	12	5-17-19
F2-02-8.0	05-233-10	7	5-17-19
F2-03-12.0	05-233-11	13	5-17-19
F3-05-3.0	05-233-12	19	5-17-19
F3-06-9.0	05-233-13	15	5-20-19
F3-07-14.0	05-233-14	12	5-17-19
F3-08-15.0	05-233-15	11	5-17-19
D1-03-12.0	05-233-16	11	5-17-19
D1-04-3.0	05-233-17	12	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





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Chain of Custody

Page 1 of 2

Company: <u>Farallon</u>		Turnaround Request (in working days)		Laboratory Number: 05-233													
Project Number: <u>525-032</u>		(Check One)															
Project Name: <u>525-032</u>		☐ Same Day ☐ 1 Day															
Project Manager: <u>Pete Kingston</u>		☒ 2 Days ☐ 3 Days															
Sampled by: <u>V. Pelhivan</u>		☐ Standard (7 Days)															
Sampled by: <u>V. Pelhivan</u>		☐ (other) _____															
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	E2-02-17.0	5/16/17	0735	5	1												
2	D2-05-3.0		0800														
3	D2-06-10.0		0805														
4	E2-03-3.0		0810														
5	E2-04-10.0		0815														
6	D1-01-3.0		0920														
7	D1-02-6.0		0925														
8	E3-01-17.0		1020														
9	F2-01-3.0		1040														
10	F2-02-8.0		1045														
Signature		Company		Date	Time	Comments/Special Instructions											
<u>[Signature]</u>		<u>Farallon</u>		5/16/17	1450	<u>Hold all samples. PM will contact for analysis</u>											
Relinquished				5/17/17	1030												
Received																	
Relinquished																	
Received																	
Relinquished																	
Received																	
Relinquished																	
Reviewed/Date		Reviewed/Date		Data Package: Standard ☐ Level III ☐ Level IV ☐ Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☐													



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Chain of Custody

Page 2 of 2

Company: Farellon			Turnaround Request (in working days)			Laboratory Number: 05-233															
Project Number: 525-032			☐ Same Day ☐ 1 Day																		
Project Name: 525-032			☒ 2 Days ☐ 3 Days																		
Project Manager: Pete Kingston			☐ Standard (7 Days)																		
Sampled by: Y. Relisvan			☐ (other)																		
Lab ID			Date Sampled			Time Sampled			Matrix			Number of Containers									
11 F2-03-12.0			5/6/19			1050			S			NWTPH-HCID									
12 F3-05-3.0						1150						NWTPH-Gx/BTEX									
13 F3-06-9.0						1155						NWTPH-Gx									
14 F3-07-14.0						1200						NWTPH-Dx (☐ Acid / SG Clean-up)									
15 F3-08-15.0						1210						Volatiles 8260C									
16 D1-03-12.0						1235						Halogenated Volatiles 8260C									
17 D1-04-3.0						1250						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									
Relinquished			Farellon			5/16/19			1450			Hold all samples. PM will contact for analysis.									
Received			QSE			5/16/19			1030												
Relinquished																					
Received																					
Relinquished																					
Received																					
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

July 19, 2019

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

Re: Analytical Data for Project 525-032
Laboratory Reference No. 1907-129

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on July 11, 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 11, 2019
Laboratory Reference: 1907-129
Project: 525-032

Case Narrative

Samples were collected on July 10, 2019 and received by the laboratory on July 11, 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 11, 2019
 Laboratory Reference: 1907-129
 Project: 525-032

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-05-5.0					
Laboratory ID:	07-129-01					
Diesel Range Organics	ND	26	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	52	NWTPH-Dx	7-17-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o-Terphenyl</i>	114	50-150				
Client ID:	FMW-05-10.0					
Laboratory ID:	07-129-02					
Diesel Range Organics	ND	28	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-17-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o-Terphenyl</i>	101	50-150				
Client ID:	FMW-05-15.0					
Laboratory ID:	07-129-03					
Diesel Range Organics	ND	29	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	57	NWTPH-Dx	7-17-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o-Terphenyl</i>	91	50-150				



Date of Report: July 19, 2019
 Samples Submitted: July 11, 2019
 Laboratory Reference: 1907-129
 Project: 525-032

**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				
o-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 11, 2019
Laboratory Reference: 1907-129
Project: 525-032

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-05-5.0	07-129-01	5	7-17-19
FMW-05-10.0	07-129-02	12	7-17-19
FMW-05-15.0	07-129-03	12	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

Analytical Laboratory Testing Services
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Turnaround Request
(in working days)

Laboratory Number:

07-129

Company: Farallon Consulting		(Check One)			
Project Number: 525-032		☐ Same Day	☐ 1 Day		
Project Name: Farmer Concrete Plant		☐ 2 Days	☐ 3 Days		
Project Manager: Pete Kingston		☒ Standard (7 Days)			
Sampled by: C. Bartfield		☐ (other) _____			
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers
1	FMW-05-5.0	7/19/19	0810	S	I
2	FMW-05-10.0		0855		
3	FMW-05-15.0		0900		
4	FMW-05-20.0		0915		
5	FMW-05-25.0		0920		
6	FMW-05-30.0		0935		
7	FMW-05-35.0		1000		
8	FMW-05-40.0		1005		
9	FMW-06-5.0		1235		
10	FMW-06-10.0		1245		
	Signature	Company	Date	Time	Comments/Special Instructions
	Charles Bejo	Farallon	7/19/19	1500	
Relinquished			7/11/19	1330	
Received					
Relinquished					
Received					
Relinquished					
Received					
Relinquished					
Reviewed/Date					
Data Package: Standard ☒ Level III ☐ Level IV ☐					
Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒					



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Chain of Custody

Company: <u>Fireallon Consulting</u>		Turnaround Request (in working days)		Laboratory Number: <u>07-129</u>													
Project Number: <u>525-032</u>		☐ Same Day ☐ 1 Day															
Project Name: <u>Exxon Concrete Plant</u>		☐ 2 Days ☐ 3 Days															
Project Manager: <u>P. Kinsten</u>		☒ Standard (7 Days)															
Sampled by: <u>C. Bartfield</u>		☐ (other)															
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
11	FMU-06-15.0	7/10/19	1250	S	1	NWTPH-HCID											
12	FMU-06-20.0		1255			NWTPH-Gx/BTEX											
13	FMU-06-25.0		1310			NWTPH-Gx											
14	FMU-06-30.0		1355			NWTPH-Dx (☐ Acid / SG Clean-up)											
15	FMU-06-35.0		1400			Volatiles 8260C											
16	FMU-06-40.0		1405			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												
					TCCLP Metals												
					HEM (oil and grease) 1664A												
					GPH												
					X												
					%												
					Moisture												
Signature		Company		Date	Time	Comments/Special Instructions											
<u>Charles Bartfield</u>		<u>Fireallon</u>		<u>7/10/19</u>	<u>1500</u>	<u>Please HAD Be RN</u>											
<u>Wally Czeku</u>		<u>OSE</u>		<u>7/11/19</u>	<u>1330</u>												
Relinquished						<u>Data Package: Standard ☒ Level III ☐ Level IV ☐</u> <u>Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒</u>											
Received																	
Relinquished																	
Received																	
Relinquished																	
Reviewed/Date		Reviewed/Date															



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 525-032
Laboratory Reference No. 1907-137

Dear Pete:

Enclosed are the analytical results and associated quality control data for samples submitted on July 12, 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 19, 2019
Samples Submitted: July 12, 2019
Laboratory Reference: 1907-137
Project: 525-032

Case Narrative

Samples were collected on July 11, 2019 and received by the laboratory on July 12, 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 12, 2019
 Laboratory Reference: 1907-137
 Project: 525-032

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-08-20.0					
Laboratory ID:	07-137-12					
Diesel Range Organics	ND	28	NWTPH-Dx	7-17-19	7-18-19	
Lube Oil Range Organics	ND	55	NWTPH-Dx	7-17-19	7-18-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i>-Terphenyl	105	50-150				



Date of Report: July 19, 2019
 Samples Submitted: July 12, 2019
 Laboratory Reference: 1907-137
 Project: 525-032

**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				
o-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 12, 2019
Laboratory Reference: 1907-137
Project: 525-032

% MOISTURE

Client ID	Lab ID	% Moisture	Date Analyzed
FMW-08-20.0	07-137-12	9	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





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Chain of Custody

Page 1 of 2

Company: <u>Foreillon Consulting</u>		Turnaround Request (in working days)		Laboratory Number: 07-137													
Project Number: <u>525-032</u>		☐ Same Day ☐ 1 Day ☐ 2 Days ☐ 3 Days ☒ Standard (7 Days)															
Project Name: <u>Former Cement Plant</u>		☐ <u>HAZ</u> <u>03</u> (other)															
Project Manager: <u>Pete Kingston</u>																	
Sampled by: <u>C. Benfield</u>																	
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	FMW-07-5.0	7/11	0800	S	1												
2	FMW-07-10.0		0810		1												
3	FMW-07-15.0		0815		1												
4	FMW-07-17.0		0835		1												
5	FMW-07-20.0		0820		1												
6	FMW-07-25.0		0845		1												
7	FMW-07-30.0		0920		1												
8	FMW-07-40.0		0930		1												
9	FMW-08-5.0		1100		1												
10	FMW-08-10.0		1105		1												
Signature		Company		Date	Time	Comments/Special Instructions											
<u>[Signature]</u>		<u>Foreillon</u>		<u>7/11/19</u>	<u>9:05</u>	<u>Please HAZ for PA</u>											
Relinquished		Relinquished		<u>7/12/19</u>	<u>1140</u>	<u>Added 7-15 DB (sta)</u>											
Received		Received															
Relinquished		Relinquished															
Received		Received															
Relinquished		Relinquished															
Received		Received															
Relinquished		Relinquished															
Reviewed/Date		Reviewed/Date		Data Package: Standard ☒ Level III ☐ Level IV ☐ Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒													



Chain of Custody

Page 2 of 2

CIVIL-ENVIRONMENTAL INC. 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: 07-137											
Company: Farallon Consulting		(Check One)													
Project Number: 575-032		☐ Same Day ☐ 1 Day													
Project Name: Former Cement Plant		☐ 2 Days ☐ 3 Days													
Project Manager: Pete Kingston		☒ Standard (7 Days)													
Sampled by: C. Bartfield		☐ HLH (Other)													
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers										
11	FMW-08-15.0	7/11/12	1120	S	1										
12	FMW-08-20.0		1125												
13	FMW-08-15.0		1130												
14	FMW-08-30.0		1135												
15	FMW-08-35.0		1140												
16	FMW-08-40.0		1145												
17	FMW-07-35.0		0925												
Signature: Christal Barkin		Company: Farallon		Date: 7/2/12	Time: 9:05	Comments/Special Instructions: Please Hold For PA.									
Received		Relinquished		Data Package: Standard ☒ Level III ☐ Level IV ☐		Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒									



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 525-032
Laboratory Reference No. 1907-203

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: 1907-203
Project: 525-032

Case Narrative

Samples were collected on July 17, 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: 1907-203
 Project: 525-032

**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-05-071719					
Laboratory ID:	07-203-01					
Diesel Range Organics	ND	0.26	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.43	0.41	NWTPH-Dx	7-22-19	7-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	90	50-150				

Client ID:	FMW-06-071719					
Laboratory ID:	07-203-02					
Diesel Range Organics	ND	0.26	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.46	0.41	NWTPH-Dx	7-22-19	7-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Client ID:	FMW-07-071719					
Laboratory ID:	07-203-03					
Diesel Range Organics	ND	0.26	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	ND	0.41	NWTPH-Dx	7-22-19	7-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	82	50-150				

Client ID:	FMW-08-071719					
Laboratory ID:	07-203-04					
Diesel Range Organics	ND	0.26	NWTPH-Dx	7-22-19	7-23-19	
Lube Oil Range Organics	0.44	0.41	NWTPH-Dx	7-22-19	7-23-19	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	78	50-150				



Date of Report: July 26, 2019
 Samples Submitted: July 18, 2019
 Laboratory Reference: 1907-203
 Project: 525-032

**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				
<i>o</i> -Terphenyl	86	50-150				

Analyte	Result		Spike Level		Source Result	Percent Recovery	Recovery Limits	RPD	RPD Limit	Flags
DUPLICATE										
Laboratory ID:	07-179-01									
	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						84	78	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





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Chain of Custody

Page 1 of 1

Turnaround Request (in working days)				Laboratory Number: 07-203													
(Check One)																	
☐ Same Day ☐ 1 Day																	
☐ 2 Days ☐ 3 Days																	
☒ Standard (7 Days)																	
☐ _____ (other)																	
Company:	Farallon Consulting																
Project Number:	525-032																
Project Name:	Former Cement Plant																
Project Manager:	Pete Kingston																
Sampled by:	C. Barfield																
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	Number of Containers												
1	FMW-05-071719	7/17/19	0919	W	2												
2	FMW-05-071719		1016														
3	FMW-07-071719		1127														
4	FMW-08-071719		1240														
					NWTPH-HCID												
					NWTPH-Gx/BTEX												
					NWTPH-Gx												
					NWTPH-Dx (☐ Acid / SG Clean-up)	20/20											
					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													
Charles Brubaker	Farallon	7/17/19	1620														
Matthew C. Barfield	OSE	7/18/19	1600														
Relinquished																	
Received																	
Relinquished																	
Received																	
Relinquished																	
Received																	
Relinquished																	
Reviewed/Date				Data Package: Standard ☒ Level III ☐ Level IV ☐ Chromatograms with final report ☐ Electronic Data Deliverables (EDDs) ☒													



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 525-032
Laboratory Reference No. 1910-221

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 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: October 21, 2019
Samples Submitted: October 16, 2019
Laboratory Reference: 1910-221
Project: 525-032

Case Narrative

Samples were collected on October 14 and 15, 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: 1910-221
 Project: 525-032

**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-7-101419					
Laboratory ID:	10-221-01					
Diesel Range Organics	0.27	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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	89	50-150				

Client ID:	FMW-5-101519					
Laboratory ID:	10-221-02					
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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	93	50-150				

Client ID:	FMW-8-101519					
Laboratory ID:	10-221-03					
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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	85	50-150				

Client ID:	FMW-6-101519					
Laboratory ID:	10-221-04					
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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	91	50-150				



Date of Report: October 21, 2019
 Samples Submitted: October 16, 2019
 Laboratory Reference: 1910-221
 Project: 525-032

**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	
Surrogate:	Percent Recovery	Control Limits				
<i>o</i> -Terphenyl	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	
Lube Oil Range Organics	0.945	ND	NA	NA	NA	NA	NA	
Surrogate:								
<i>o</i> -Terphenyl				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





Chain of Custody

Environmental Inc.
14648 NE 95th Street • Redmond, WA 98052
Phone: (425) 883-3881 • Fax: (425) 885-4603

Company: FARALLON Project Number: 525-032 Project Name: CONCRETE BATCH PLANT Project Manager: Pete Kingston Sampled by: Ken Beuth		Turnaround Request (in working days) (Check One) ☐ Same Day ☐ 1 Day ☐ 2 Day ☐ 3 Day ☒ Standard (7 working days) ☐ (other) _____		Laboratory Number: 10-221 Requested Analysis																		
Lab ID	Sample Identification	Date Sampled	Time Sampled	Matrix	# of Cont.	NWTPH-HCID	NWTPH-Gx/BTEX	NWTPH-Dx	Volatiles by 8260B	Halogenated Volatiles by 8260B	Semivolatiles by 8270C	PAHs by 8270C / SIM	PCBs by 8082	Pesticides by 8081A	Herbicides by 8151A	Total RCRA Metals (8)	TCLP Metals	HEM by 1664	VPH	EPH	% Moisture	
1	FMW-7-101419	10/14/19	1506	W	2																	
2	FMW-5-101519	10/15/19	1117	W	2																	
3	FMW-8-101519		1202	W	2																	
4	FMW-6-101519		1258	W	2																	
15																						
Signature		Company		Date		Time		Comments/Special Instructions:														
Relinquished by		FARALLON		10/15/19		1630																
Received by		OSBE		10/16/19		1130																
Relinquished by																						
Received by																						
Relinquished by																						
Received by																						
Reviewed by/Date		Reviewed by/Date		Chromatograms with final report ☐																		



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: A2D0549 - Former Cement - 525-032

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 A2D0549, 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	4.9 degC
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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

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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: **Former Cement**

Project Number: **525-032**

Project Manager: **Chantal Banfield**

Report ID:

A2D0549 - 04 26 22 1508

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
FMW-05-041322	A2D0549-01	Water	04/13/22 11:35	04/13/22 15:45
FMW-06-041222	A2D0549-02	Water	04/12/22 14:45	04/13/22 15:45
FMW-07-041322	A2D0549-03	Water	04/13/22 12:15	04/13/22 15:45
FMW-08-041322	A2D0549-04	Water	04/13/22 10:35	04/13/22 15:45

Apex Laboratories

Philip Nerenberg, Lab Director

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**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 98027Project: **Former Cement**Project Number: **525-032**Project Manager: **Chantal Banfield****Report ID:****A2D0549 - 04 26 22 1508****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-05-041322 (A2D0549-01)		Matrix: Water			Batch: 22D0865			
Diesel	212	---	75.5	ug/L	1	04/22/22 23:38	NWTPH-Dx LL	F-11
Oil	ND	---	151	ug/L	1	04/22/22 23:38	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/22/22 23:38</i>	<i>NWTPH-Dx LL</i>	
FMW-06-041222 (A2D0549-02)		Matrix: Water			Batch: 22D0865			
Diesel	338	---	76.2	ug/L	1	04/23/22 00:01	NWTPH-Dx LL	F-11
Oil	ND	---	152	ug/L	1	04/23/22 00:01	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 103 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/23/22 00:01</i>	<i>NWTPH-Dx LL</i>	
FMW-07-041322 (A2D0549-03)		Matrix: Water			Batch: 22D0865			
Diesel	160	---	76.2	ug/L	1	04/23/22 00:23	NWTPH-Dx LL	F-11
Oil	ND	---	152	ug/L	1	04/23/22 00:23	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 94 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/23/22 00:23</i>	<i>NWTPH-Dx LL</i>	
FMW-08-041322 (A2D0549-04)		Matrix: Water			Batch: 22D0865			
Diesel	274	---	76.2	ug/L	1	04/23/22 00:45	NWTPH-Dx LL	F-11
Oil	ND	---	152	ug/L	1	04/23/22 00:45	NWTPH-Dx LL	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery: 106 %</i>		<i>Limits: 50-150 %</i>	<i>1</i>	<i>04/23/22 00:45</i>	<i>NWTPH-Dx LL</i>	

Apex Laboratories

Philip Nerenberg, Lab Director

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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: Former Cement

Project Number: 525-032

Project Manager: Chantal Banfield

Report ID:

A2D0549 - 04 26 22 1508

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										
<u>NWTPH-Dx LL</u>													
Diesel	ND	---	72.7	ug/L	1	---	---	---	---	---	---		
Oil	ND	---	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										
<u>NWTPH-Dx LL</u>													
Diesel	481	---	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
<u>NWTPH-Dx LL</u>													
Diesel	473	---	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

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**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: **Former Cement**Project Number: **525-032**Project Manager: **Chantal Banfield****Report ID:****A2D0549 - 04 26 22 1508****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							
A2D0549-01	Water	NWTPH-Dx LL	04/13/22 11:35	04/22/22 07:43	1060mL/2mL	1000mL/2mL	0.94
A2D0549-02	Water	NWTPH-Dx LL	04/12/22 14:45	04/22/22 07:43	1050mL/2mL	1000mL/2mL	0.95
A2D0549-03	Water	NWTPH-Dx LL	04/13/22 12:15	04/22/22 07:43	1050mL/2mL	1000mL/2mL	0.95
A2D0549-04	Water	NWTPH-Dx LL	04/13/22 10:35	04/22/22 07:43	1050mL/2mL	1000mL/2mL	0.95

Apex Laboratories

Philip Nerenberg, Lab Director

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Issaquah, WA 98027

Project: Former Cement

Project Number: 525-032

Project Manager: Chantal Banfield

Report ID:

A2D0549 - 04 26 22 1508

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

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Project: **Former Cement**

Project Number: **525-032**

Project Manager: **Chantal Banfield**

Report ID:

A2D0549 - 04 26 22 1508

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

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Philip Nerenberg, Lab Director



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: **Former Cement**

Project Number: **525-032**

Project Manager: **Chantal Banfield**

Report ID:

A2D0549 - 04 26 22 1508

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

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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: **Former Cement**

Project Number: **525-032**

Project Manager: **Chantal Banfield**

Report ID:

A2D0549 - 04 26 22 1508

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

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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: Former Cement

Project Number: 525-032

Project Manager: Chantal Banfield

Report ID:

A2D0549 - 04 26 22 1508

APEX LABS **CHAIN OF CUSTODY** Lab # A2D0549 COC 2 of 2

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: <u>Farallon</u>	Project Mgr: <u>Chantal Banfield</u>	Project Name: <u>Former Cement</u>	Project #: <u>525-032</u>																			
Address: <u>4680 S Macadam Ave #500 Portland, OR</u>		Phone: <u>503-496-6228</u>	Fax: <u></u>																			
Sampled by: <u>Megan Gehring</u>		Email: <u>chantal@farallonconsulting.com</u>																				
Site Location: <u>OR</u> <u>(WA)</u>	ANALYSIS REQUEST																					
Other: <u></u>																						
SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-DX	NWTPH-GX	BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs	8270 SIM PAHs	8082 PCBs	8081 Chlor. Pest	RCRA Metals (8)	Priority Metals (13)	AL, Sb, As, Ba, Be, Cd, Cr, Cu, Fe, Pb, Hg, Mn, Mo, Ni, P, Se, Ag, Na, TL, V, Zn	TCLP Metals (8)	1200-COLS	1200-Z	
<u>FMW-05-041322</u>		<u>4/13</u>	<u>1135</u>	<u>W</u>	<u>2</u>		<u>X</u>															
<u>FMW-06-041222</u>		<u>4/12</u>	<u>1445</u>	<u>I</u>	<u>1</u>		<u>X</u>															
<u>FMW-07-041322</u>		<u>4/13</u>	<u>1215</u>	<u>I</u>	<u>1</u>		<u>X</u>															
<u>FMW-08-041322</u>		<u>4/13</u>	<u>1035</u>	<u>I</u>	<u>1</u>		<u>X</u>															
<u>(WTA)</u>																						
SPECIAL INSTRUCTIONS:																						
Normal Turn Around Time (TAT) = 5-10 Business Days																						
TAT Requested (circle) 24 HR 48 HR 72 HR																						
4 DAY 5 DAY Other: <u>Standard</u>																						
SAMPLES ARE HELD FOR 30 DAYS																						
RELINQUISHED BY:	Signature: <u>Megan Gehring</u>	Date: <u>4/13/22</u>	RECEIVED BY:																			
Signature:	Signature: <u>Chantal Banfield</u>																					
Printed Name: <u>Megan Gehring</u>	Date: <u>4/13/22</u>	Time: <u>1545</u>	Signature:	Signature: <u>Chantal Banfield</u>																		
Printed Name: <u>Megan Gehring</u>	Date: <u>4/13/22</u>	Time: <u>1545</u>	Date:	Date: <u>4/13/22</u>																		
Printed Name: <u>Megan Gehring</u>	Date: <u>4/13/22</u>	Time: <u>1545</u>	Time:	Time: <u>1545</u>																		
Company: <u>Farallon</u>	Company: <u>Apex</u>																					

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: Former CementProject Number: 525-032Project Manager: Chantal Banfield

Report ID:

A2D0549 - 04 26 22 1508

APEX LABS COOLER RECEIPT FORM

Client: Farallon Element WO#: A2 DD549Project/Project #: Former cement / 525-032

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>4.9</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:

Green 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 @ 1458 By: WAll 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:

Water samples: pH checked: Yes ☒ No ☐ NA ☐ pH appropriate? Yes ☒ No ☐ NA ☐

Comments:

Additional information:

Labeled by: WWitness: WNOCooler Inspected by: W

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
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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
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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
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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
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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
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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
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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
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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				
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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@fremontanalytical.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-34-3.0	6/11/22	1000	S	3														
2 FTP-34-6.0		1015																
3 FTP-34-12.0		1025																
4 FTP-35-3.0		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.

Turn-around Time:
☐ Standard ☐ Next Day
☐ 3 Day ☐ Same Day
☐ 2 Day (specify)

Relinquished (Signature) Print Name Date/Time

Megan Gehring 6/12/22 0900

Received (Signature)

Print Name

Date/Time

Relinquished (Signature) Print Name Date/Time

Received (Signature)

Print Name

Date/Time



3600 Fremont Ave N.
Seattle, WA 98103
Tel: 206-352-3790
Fax: 206-352-7178

Chain of Custody Record & Laboratory Services Agreement

Date: 6/1/22

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)	EPH/VPH	Napthalenes	EDB, EDC	Comments
1 FTP-34-3.0	6/1/22	1000	S	3	X		X	X	X								X	X	X	
2 FTP-34-6.0		1015																		
3 FTP-34-12.0		1025			X		X		X								X	X	X	
4 FTP-35-3.0		0915																		
5 FTP-35-7.0		0925																		
6 FTP-35-12.0		0935																		
7																				
8																				
9																				
10																				

run per CB 6/3/22 -CG

*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.

Turn-around Time: ☒ Standard ☐ Next Day ☐ 3 Day ☐ Same Day ☐ 2 Day (specify)

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____

Relinquished (Signature) _____ Print Name _____ Date/Time _____

APPENDIX C
TERRESTRIAL ECOLOGICAL EVALUATION FORM

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

Farallon PN: 525-032



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 Concrete Batch Plant

Facility/Site Address: 2001 Johnson Road, Centralia, Washington

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?

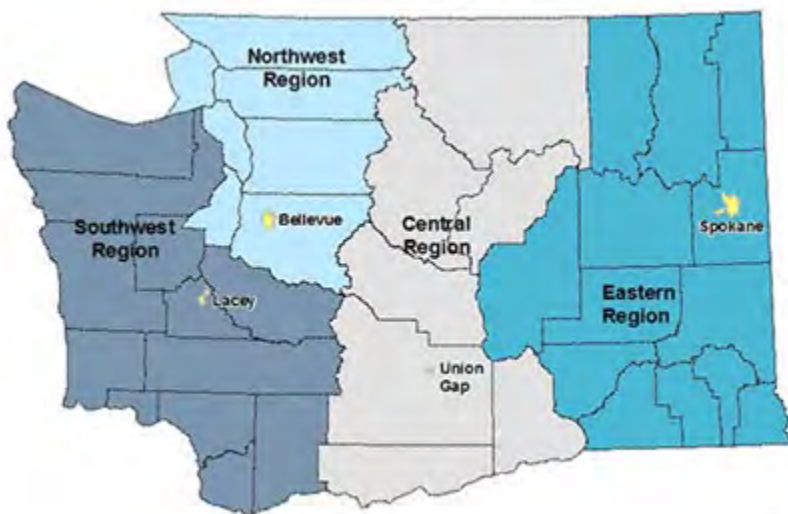
- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

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
MTCA METHOD B SOIL CLEANUP LEVEL CALCULATIONS

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

Farallon PN: 525-032

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 06/30/22

Site Name: Former Concrete Batch Plant (Farallon PN: 525-032)

Sample Name: FTP-34-3.0

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis	Composition Ratio
	mg/kg	%
<u>Petroleum EC Fraction</u>		
AL_EC >5-6	1.32	1.77%
AL_EC >6-8	0.795	1.07%
AL_EC >8-10	1.32	1.77%
AL_EC >10-12	1.75	2.35%
AL_EC >12-16	5.15	6.92%
AL_EC >16-21	5.15	6.92%
AL_EC >21-34	5.15	6.92%
AR_EC >8-10	1.585	2.13%
AR_EC >10-12	4.04	5.42%
AR_EC >12-16	37.8	50.75%
AR_EC >16-21	5.15	6.92%
AR_EC >21-34	5.15	6.92%
Benzene	0.01095	0.01%
Toluene	0.0164	0.02%
Ethylbenzene	0.0137	0.02%
Total Xylenes	0.04105	0.06%
Naphthalene	0.01115	0.01%
1-Methyl Naphthalene	0.01115	0.01%
2-Methyl Naphthalene	0.01115	0.01%
n-Hexane	0	0.00%
MTBE	0	0.00%
Ethylene Dibromide (EDB)	0	0.00%
1,2 Dichloroethane (EDC)	0	0.00%
Benzo(a)anthracene	0	0.00%
Benzo(b)fluoranthene	0	0.00%
Benzo(k)fluoranthene	0	0.00%
Benzo(a)pyrene	0	0.00%
Chrysene	0	0.00%
Dibenz(a,h)anthracene	0	0.00%
Indeno(1,2,3-cd)pyrene	0	0.00%
Sum	74.47555	100.00%

Notes for Data Entry

Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:

Enter site-specific information here.....

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water

concentration, enter adjusted value here: 500 ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 6/30/2022
Site Name: <u>Former Concrete Batch Plant (Farallon PN: 525-032)</u>
Sample Name: <u>FTP-34-3.0</u>
Measured Soil TPH Concentration, mg/kg: 74.476

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	2,796	6.03E-10	2.66E-02	Pass
	Method C	35,893	8.07E-11	2.07E-03	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	227	2.34E-06	6.12E-01	Pass
	Target TPH GW Conc. @ 500 ug/L	100% NAPL	NA	NA	Pass

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	2,795.95	35,892.74
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	2.80E+03	2.26E-08	1.00E+00	YES	3.59E+04	3.89E-08	1.00E+00
Total Risk = 1E-5	NO	1.24E+06	1.00E-05	4.42E+02	NO	9.23E+06	1.00E-05	2.57E+02
Risk of Benzene = 1E-6	NO	1.24E+05	1.00E-06	4.42E+01	NA			
Risk of cPAHs mixture = 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	Benzene MCL = 5 ug/L
Protective Ground Water Concentration, ug/L	350.02
Protective Soil Concentration, mg/kg	226.62

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	NO	3.73E+02	8.37E-06	1.00E+00	3.25E+02
Total Risk = 1E-5	NO	3.86E+02	1.00E-05	1.06E+00	4.14E+02
Total Risk = 1E-6	YES	1.74E+02	1.00E-06	3.73E-01	3.08E+01
Risk of cPAHs mixture = 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	YES	3.50E+02	6.29E-06	9.06E-01	2.27E+02
MTBE = 20 ug/L	NA	NA	NA	NA	NA

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	4.65E+02	3.40E-05	1.75E+00	100% NAPL

A1 Soil Cleanup Levels: Worksheet for Soil Data Entry: Refer to WAC 173-340-720, 740,745, 747, 750

1. Enter Site Information

Date: 06/30/22

Site Name: Former Concrete Batch Plant (Farallon PN: 525-032)

Sample Name: FTP-34-12.0

2. Enter Soil Concentration Measured

Chemical of Concern or Equivalent Carbon Group	Measured Soil Conc dry basis	Composition Ratio
	mg/kg	%
<u>Petroleum EC Fraction</u>		
AL_EC >5-6	1.035	3.01%
AL_EC >6-8	0.62	1.80%
AL_EC >8-10	1.035	3.01%
AL_EC >10-12	0.2065	0.60%
AL_EC >12-16	5.5	15.97%
AL_EC >16-21	5.5	15.97%
AL_EC >21-34	5.5	15.97%
AR_EC >8-10	1.24	3.60%
AR_EC >10-12	0.2065	0.60%
AR_EC >12-16	2.51	7.29%
AR_EC >16-21	5.5	15.97%
AR_EC >21-34	5.5	15.97%
Benzene	0.0075	0.02%
Toluene	0.01125	0.03%
Ethylbenzene	0.0094	0.03%
Total Xylenes	0.0282	0.08%
Naphthalene	0.00955	0.03%
1-Methyl Naphthalene	0.00955	0.03%
2-Methyl Naphthalene	0.00955	0.03%
n-Hexane	0	0.00%
MTBE	0	0.00%
Ethylene Dibromide (EDB)	0	0.00%
1,2 Dichloroethane (EDC)	0	0.00%
Benzo(a)anthracene	0	0.00%
Benzo(b)fluoranthene	0	0.00%
Benzo(k)fluoranthene	0	0.00%
Benzo(a)pyrene	0	0.00%
Chrysene	0	0.00%
Dibenz(a,h)anthracene	0	0.00%
Indeno(1,2,3-cd)pyrene	0	0.00%
Sum	34.438	100.00%

Notes for Data Entry

Set Default Hydrogeology

Clear All Soil Concentration Data Entry Cells

Restore All Soil Concentration Data cleared previously

REMARK:

Enter site-specific information here.....

3. Enter Site-Specific Hydrogeological Data

Total soil porosity:	0.43	Unitless
Volumetric water content:	0.3	Unitless
Volumetric air content:	0.13	Unitless
Soil bulk density measured:	1.5	kg/L
Fraction Organic Carbon:	0.001	Unitless
Dilution Factor:	20	Unitless

4. Target TPH Ground Water Concentration (if adjusted)

If you adjusted the target TPH ground water

concentration, enter adjusted value here: 500 ug/L

A2 Soil Cleanup Levels: Calculation and Summary of Results. Refer to WAC 173-340-720, 740, 745, 747, 750

Site Information

Date: 6/30/2022
Site Name: <u>Former Concrete Batch Plant (Farallon PN: 525-032)</u>
Sample Name: <u>FTP-34-12.0</u>
Measured Soil TPH Concentration, mg/kg: 34.438

1. Summary of Calculation Results

Exposure Pathway	Method/Goal	Protective Soil TPH Conc, mg/kg	With Measured Soil Conc		Does Measured Soil Conc Pass or Fail?
			RISK @	HI @	
Protection of Soil Direct Contact: Human Health	Method B	3,123	4.13E-10	1.10E-02	Pass
	Method C	38,791	5.53E-11	8.88E-04	Pass
Protection of Method B Ground Water Quality (Leaching)	Potable GW: Human Health Protection	141	1.65E-06	1.44E-01	Pass
	Target TPH GW Conc. @ 500 ug/L	100% NAPL	NA	NA	Pass

2. Results for Protection of Soil Direct Contact Pathway: Human Health

	Method B: Unrestricted Land Use	Method C: Industrial Land Use
Protective Soil Concentration, TPH mg/kg	3,122.85	38,791.50
Most Stringent Criterion	HI =1	HI =1

Soil Criteria	Protective Soil Concentration @Method B				Protective Soil Concentration @Method C			
	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @	Most Stringent?	TPH Conc, mg/kg	RISK @	HI @
HI =1	YES	3.12E+03	3.74E-08	1.00E+00	YES	3.88E+04	6.23E-08	1.00E+00
Total Risk = 1E-5	NO	8.34E+05	1.00E-05	2.67E+02	NO	6.23E+06	1.00E-05	1.61E+02
Risk of Benzene = 1E-6	NO	8.34E+04	1.00E-06	2.67E+01	NA			
Risk of cPAHs mixture = 1E-6	NA	NA	NA	NA				
EDB	NA	NA	NA	NA				
EDC	NA	NA	NA	NA				

3. Results for Protection of Ground Water Quality (Leaching Pathway)

3.1. Protection of Potable Ground Water Quality (Method B): Human Health Protection

Most Stringent Criterion	Benzene MCL = 5 ug/L
Protective Ground Water Concentration, ug/L	195.43
Protective Soil Concentration, mg/kg	141.16

Ground Water Criteria	Protective Potable Ground Water Concentration @Method B				Protective Soil Conc, mg/kg
	Most Stringent?	TPH Conc, ug/L	RISK @	HI @	
HI=1	NO	3.68E+02	2.48E-05	1.00E+00	8.25E+02
Total Risk = 1E-5	NO	2.52E+02	1.00E-05	5.38E-01	2.40E+02
Total Risk = 1E-6	YES	5.23E+01	1.00E-06	9.63E-02	2.08E+01
Risk of cPAHs mixture = 1E-5	NA	NA	NA	NA	NA
Benzene MCL = 5 ug/L	YES	1.95E+02	6.29E-06	3.91E-01	1.41E+02
MTBE = 20 ug/L	NA	NA	NA	NA	NA

3.2 Protection of Ground Water Quality for TPH Ground Water Concentration previously adjusted and entered

Ground Water Criteria	Protective Ground Water Concentration			Protective Soil Conc, mg/kg
	TPH Conc, ug/L	Risk @	HI @	
Target TPH GW Conc = 500 ug/L	4.71E+02	6.09E-05	1.95E+00	100% NAPL

APPENDIX E
WASTE DISPOSAL DOCUMENTATION

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

Farallon PN: 525-032

Tables 1 and 2
Waste Disposal Tonnage Tracking
Former Concrete Batch Plant
Centralia, Washington
Farallon PN: 525-032

Date Transported	Daily Tonnage
2019-05-14	65.24
2019-05-15	1,178.88
2019-05-16	1,510.03
Total Excavation Tonnage:	2,754.15

**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
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
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:		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
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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		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

please include account number and
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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
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Cowlitz County Public Works		7/15/19
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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 MIILLI		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		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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		
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TEL (360) 577-3035		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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
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Cowlitz County Public Works		7/15/19
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TEL (360) 577-3035		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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

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6336	5/31/19	6850
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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		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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		
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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
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Cowlitz County Public Works		7/15/19
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Billing Address
LAKESIDE INDUSTRIES PO Box 7016 Longview Location Issaquah, WA 98027

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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